

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056025.D
 Acq On : 5 Jun 2019 23:53
 Operator : JC/SP
 Sample : VN0606WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0606WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:04:37 AM

Quant Time: Jun 06 04:41:35 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	7.19	128	56414	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	301568	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	261511	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	105723	30.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.60%
60) 4-Bromofluorobenzene	12.40	95	114356	29.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.33%
63) Toluene-d8	10.09	98	366498	30.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	65559	20.662	ug/l 100
3) Chloromethane	2.06	50	75023	20.237	ug/l 99
4) Vinyl Chloride	2.18	62	75418	19.953	ug/l 97
5) Bromomethane	2.54	94	48403	20.376	ug/l 98
6) Chloroethane	2.69	64	45087	21.089	ug/l 94
7) Trichlorofluoromethane	3.01	101	91318	19.526	ug/l 97
8) Diethyl Ether	3.40	74	38793	19.559	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55800	19.329	ug/l 99
10) 1,1-Dichloroethene	3.72	96	59176	20.095	ug/l 94
11) Methyl Iodide	3.94	142	70015	15.070	ug/l 99
12) Methyl Acetate	4.33	43	69461	19.629	ug/l 99
13) Acrolein	3.60	56	17913	103.856	ug/l 99
14) Acrylonitrile	4.99	53	156137	98.941	ug/l 100
15) Acetone	3.82	58	43103	83.418	ug/l 100
16) Carbon Disulfide	4.04	76	129281	18.451	ug/l 99
17) Allyl chloride	4.31	41	87775	19.238	ug/l 99
18) Methylene Chloride	4.54	84	67645	19.842	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	61446	19.548	ug/l 98
20) Diisopropyl ether	5.95	45	187212	19.804	ug/l 99
21) 1,1-Dichloroethane	5.84	63	107146	19.503	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	73333	19.988	ug/l 97
23) tert-Butyl Alcohol	4.81	59	52401	85.309	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	187109	19.937	ug/l 98
25) Chloroform	7.37	83	109388	19.940	ug/l 100
26) Cyclohexane	7.65	56	99390	19.500	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	80512	19.737	ug/l 99
30) 2-Butanone	6.84	43	201131	93.658	ug/l 99
31) 2,2-Dichloropropane	6.82	77	63974	16.858	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	89114	19.773	ug/l 99
33) Carbon Tetrachloride	7.77	117	72298	18.934	ug/l 98
34) Benzene	8.04	78	261095	20.088	ug/l 99
35) Methacrylonitrile	7.17	41	41055	22.639	ug/l 97
36) 1,2-Dichloroethane	8.12	62	80724	19.828	ug/l 100
37) Trichloroethene	8.83	130	71771	19.734	ug/l 96
38) Methylcyclohexane	9.08	83	99324	19.206	ug/l 98
39) 1,2-Dichloropropane	9.12	63	66169	19.878	ug/l 94
40) Dibromomethane	9.21	93	43811	19.850	ug/l 100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	76327	19.313	ug/l	99
42) Vinyl Acetate	5.90	43	760182	99.290	ug/l	100
43) Ethyl Acetate	6.93	43	79501	19.343	ug/l	94
44) Isopropyl Acetate	8.17	43	124406	19.495	ug/l	98
45) 1,4-Dioxane	9.20	88	25761	377.372	ug/l	96
46) Methyl methacrylate	9.20	41	59692	18.829	ug/l	98
47) n-amyl Acetate	12.07	43	100729	19.087	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	76289	18.342	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	91344	18.755	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	65266	19.909	ug/l	98
51) Ethyl methacrylate	10.43	69	95094	19.174	ug/l	99
52) 1,3-Dichloropropane	10.71	76	106293	20.000	ug/l	100
53) Dibromochloromethane	10.90	129	58731	18.301	ug/l	100
54) 1,2-Dibromoethane	11.00	107	67465	19.722	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	156334	89.992	ug/l	100
56) Bromoform	12.13	173	39817	17.151	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	400115	101.041	ug/l	100
59) 2-Hexanone	10.75	43	275528	97.348	ug/l	99
61) Tetrachloroethene	10.63	164	75460	20.704	ug/l	98
62) Toluene	10.16	91	284010	20.118	ug/l	99
64) Chlorobenzene	11.43	112	169645	19.811	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	60486	19.589	ug/l	99
66) Ethyl Benzene	11.51	91	300028	19.953	ug/l	100
67) m/p-Xylenes	11.62	106	228384	39.682	ug/l	99
68) o-Xylene	11.95	106	112850	20.028	ug/l	98
69) Styrene	11.96	104	177752	19.417	ug/l	100
70) Isopropylbenzene	12.25	105	297988	20.242	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	88137	19.858	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	73077m	19.019	ug/l	
73) Bromobenzene	12.53	156	77186	19.753	ug/l	99
74) n-propylbenzene	12.59	91	304304	19.587	ug/l	99
75) 2-Chlorotoluene	12.67	91	191221	19.844	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	238970	19.734	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	17575	16.030	ug/l	90
78) 4-Chlorotoluene	12.77	91	172220	19.137	ug/l	99
79) tert-butylbenzene	12.99	119	221159	20.614	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	233482	19.821	ug/l	99
81) sec-Butylbenzene	13.17	105	268487	19.783	ug/l	99
82) p-Isopropyltoluene	13.29	119	240720	19.618	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	115777	19.012	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	104357	17.991	ug/l	100
85) n-Butylbenzene	13.61	91	165789	18.103	ug/l	98
86) Hexachloroethane	13.87	117	35334	18.471	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	116433	18.810	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12496	17.936	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	45317	18.992	ug/l	100
90) Hexachlorobutadiene	15.01	225	42588	18.847	ug/l	99
91) Naphthalene	15.13	128	125265	15.238	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	53224	16.427	ug/l	97

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ALS Vial : 36 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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

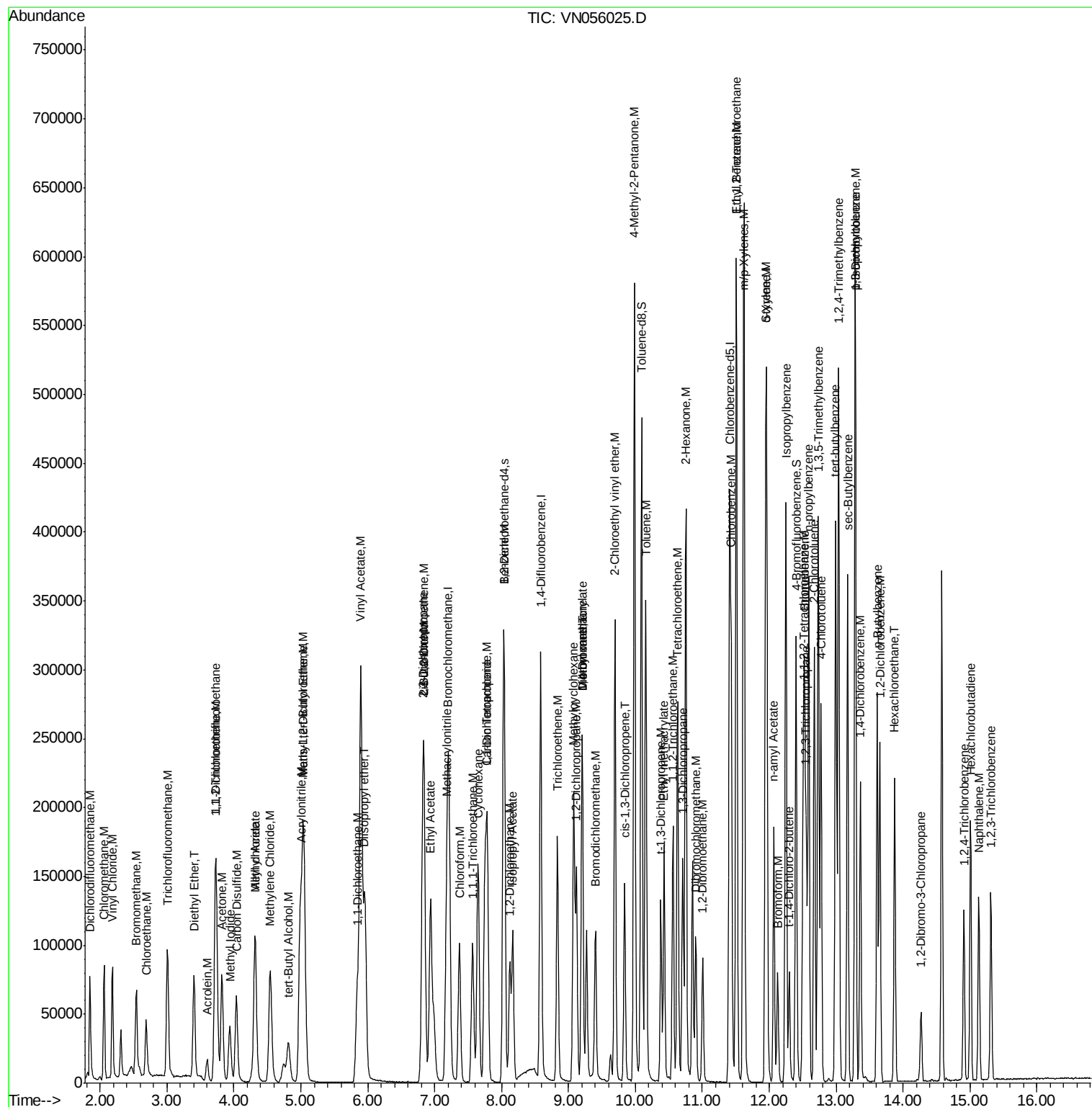
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
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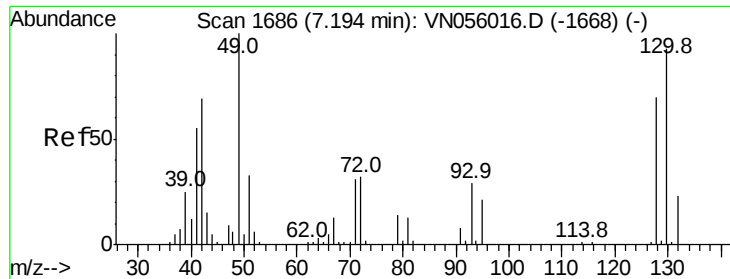
Instrument :
MSVOA_N
ClientSampleId :
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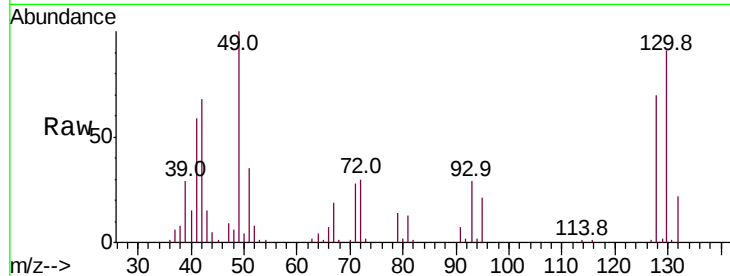
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

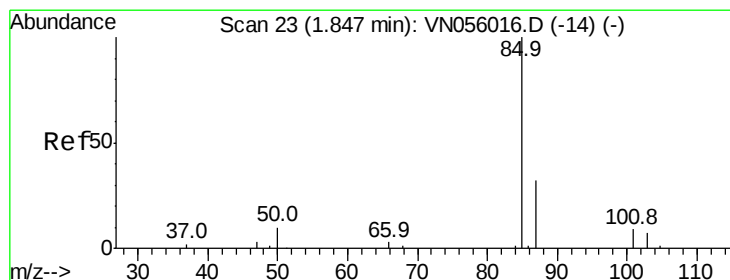
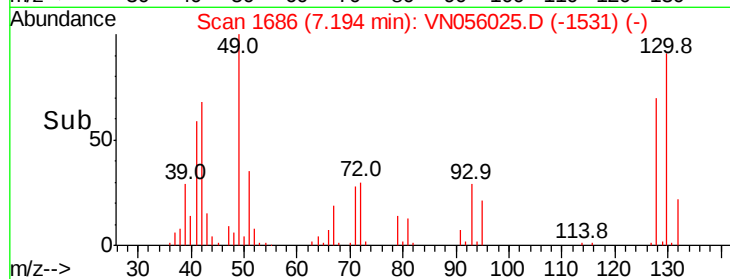
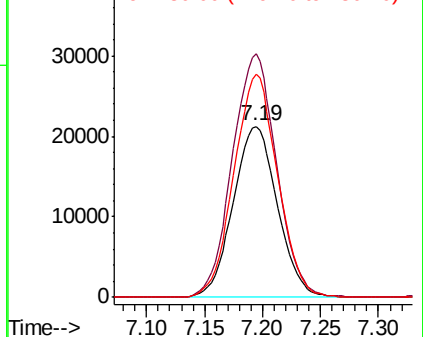
Tot Ion	Ratio	Lower	Upper
128	100		
49	142.6	0.0	355.8
130	128.7	0.0	326.3

Manual Integrations
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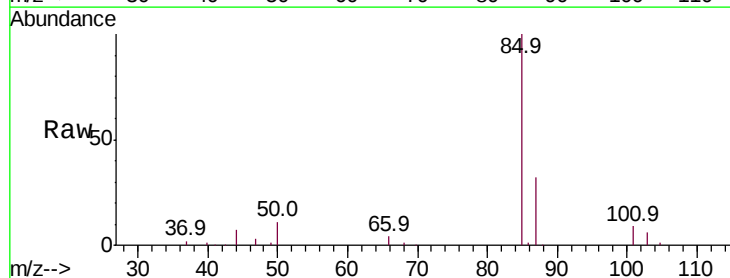


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

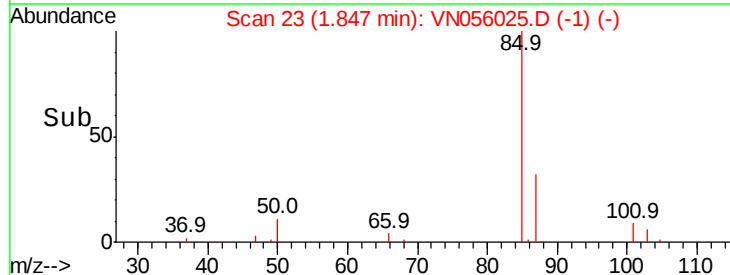
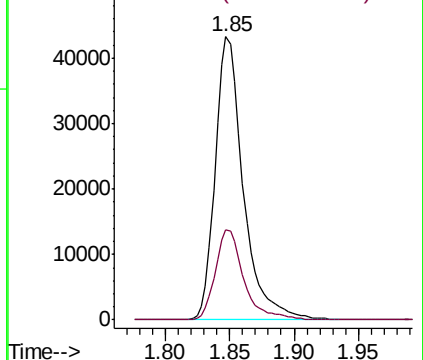


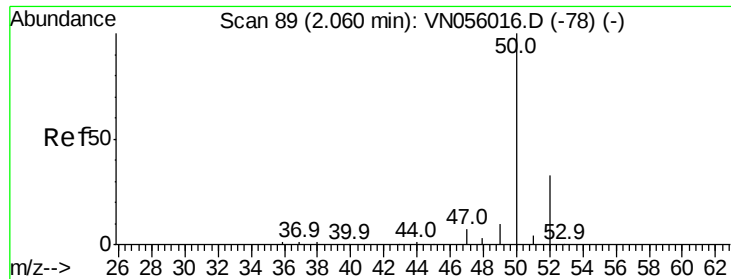
#2
Dichlorodifluoromethane
Concen: 20.662 ug/l
RT: 1.85 min Scan# 23
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.9	47.7



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.237 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBS01

Tot Ion: 50 Resp: 75023

Ion Ratio Lower Upper

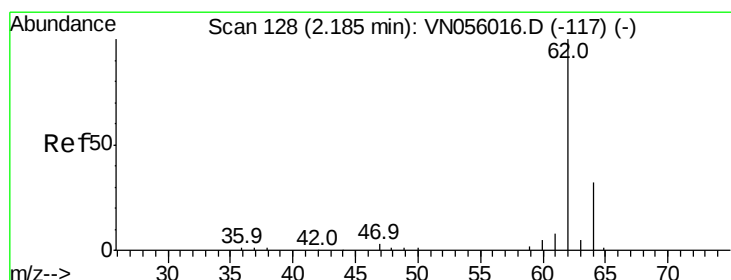
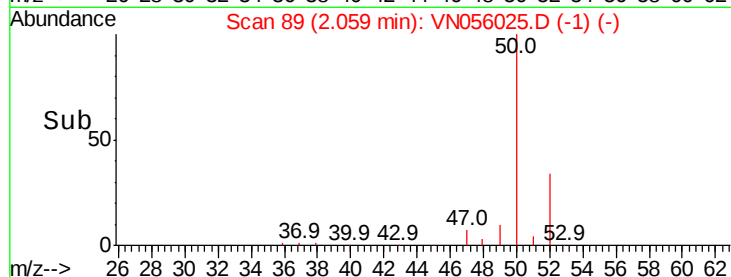
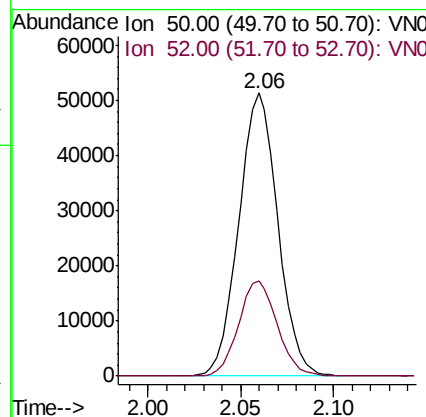
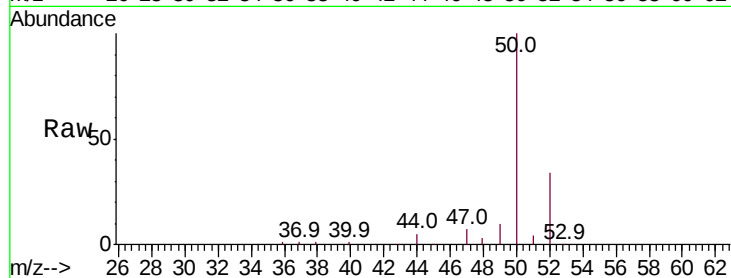
50 100

52 33.8 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.953 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN056025.D

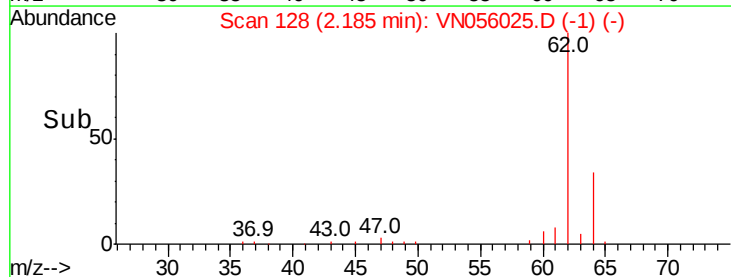
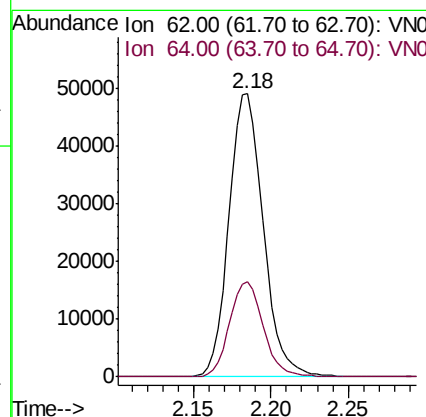
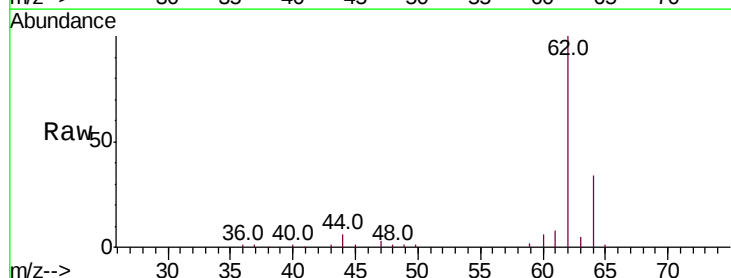
Acq: 5 Jun 2019 23:53

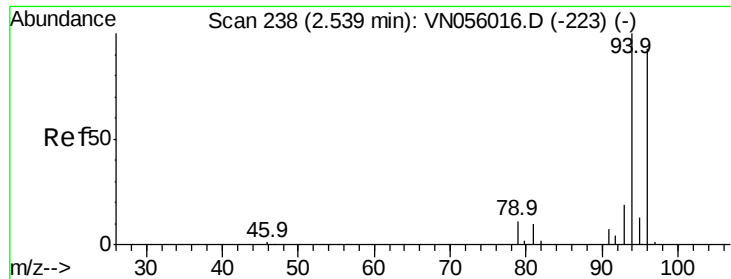
Tgt Ion: 62 Resp: 75418

Ion Ratio Lower Upper

62 100

64 33.7 25.8 38.8





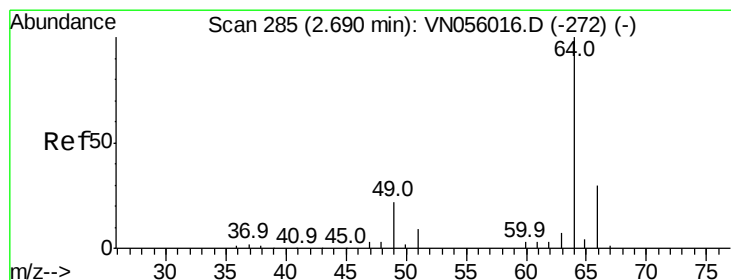
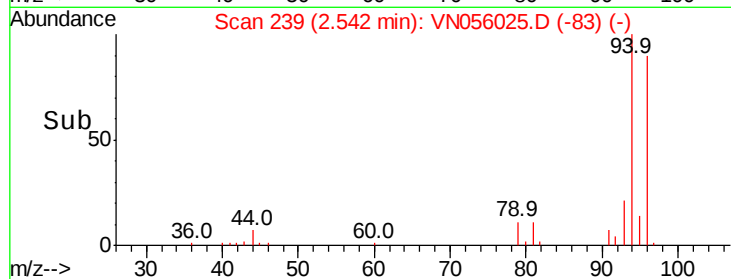
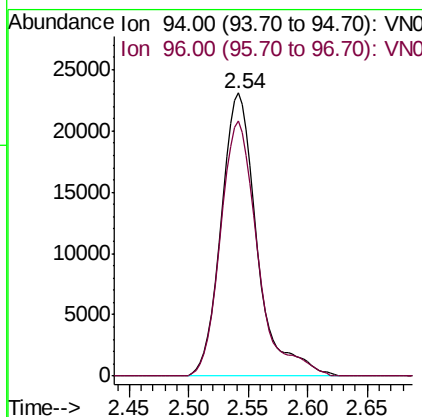
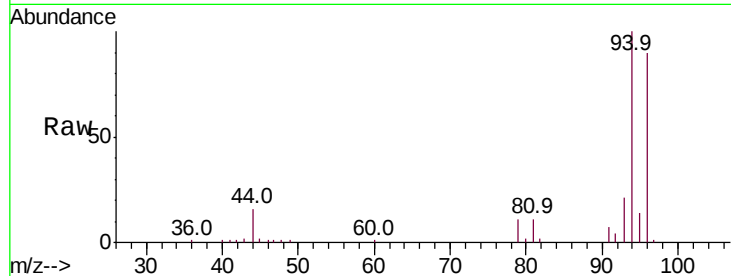
#5
Bromomethane
Concen: 20.376 ug/l
RT: 2.54 min Scan# 239
Delta R.T. 0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
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Tot Ion: 94 Resp: 48403
Ion Ratio Lower Upper
94 100
96 90.3 74.1 111.1

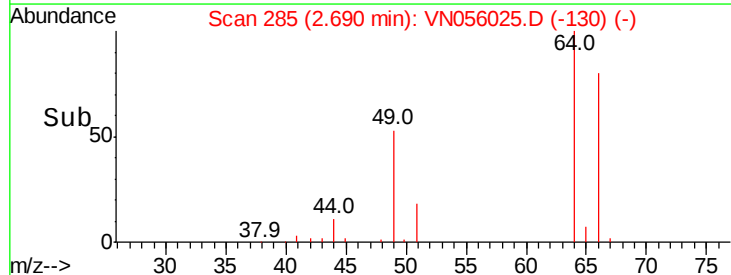
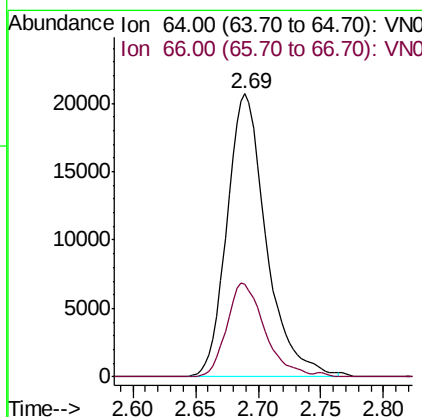
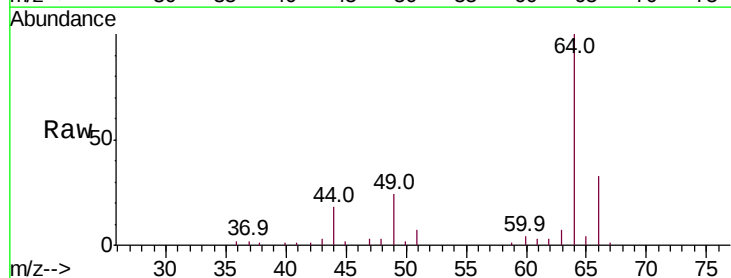
Manual Integrations
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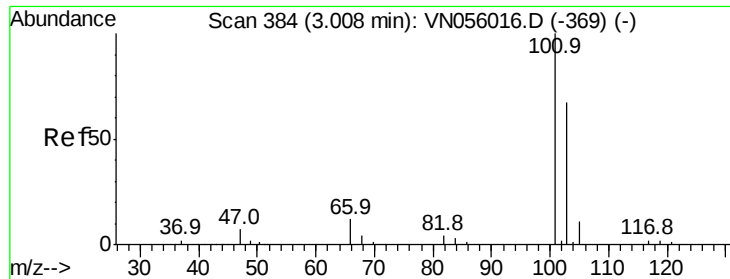
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6/6/2019 9:04:37 AM



#6
Chloroethane
Concen: 21.089 ug/l
RT: 2.69 min Scan# 285
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion: 64 Resp: 45087
Ion Ratio Lower Upper
64 100
66 32.7 23.7 35.5





#7

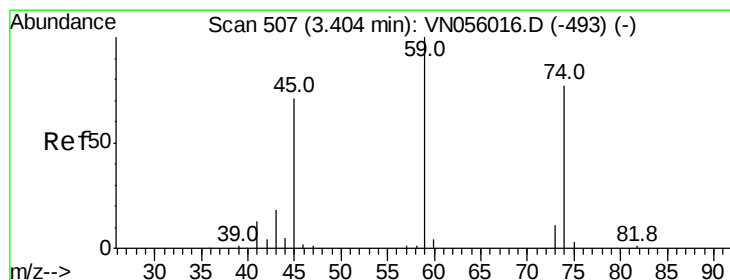
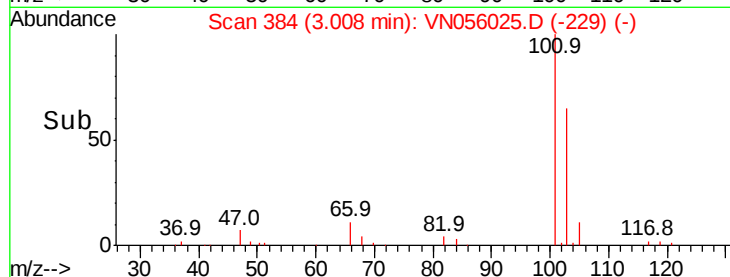
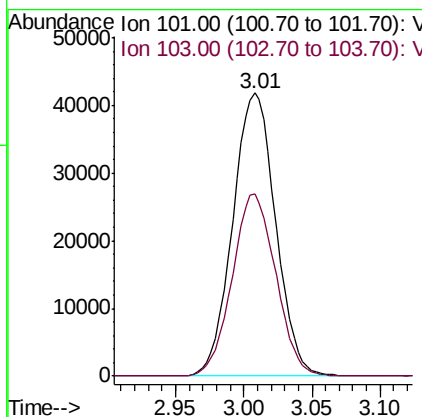
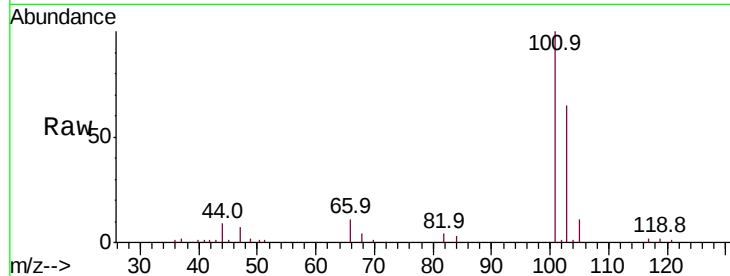
Trichlorofluoromethane
 Concen: 19.526 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	53.4	80.0

Manual Integrations
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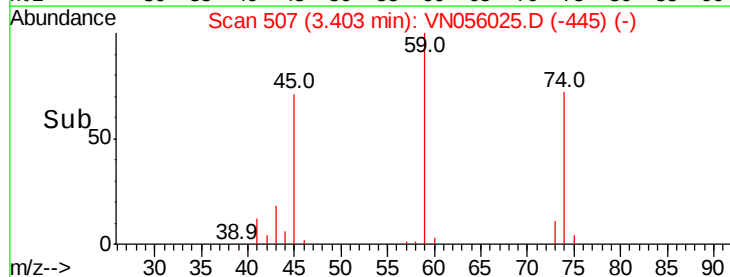
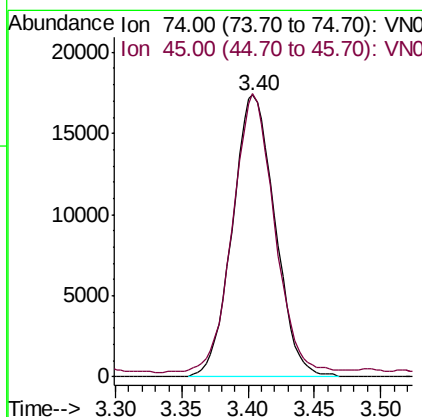
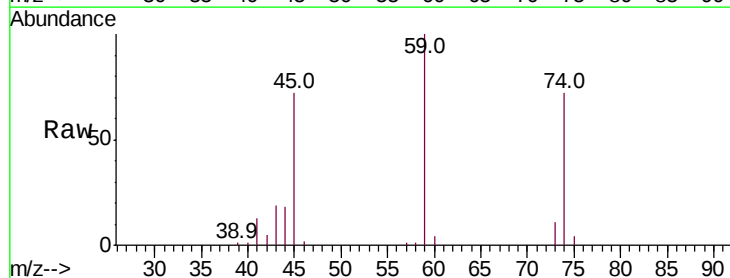
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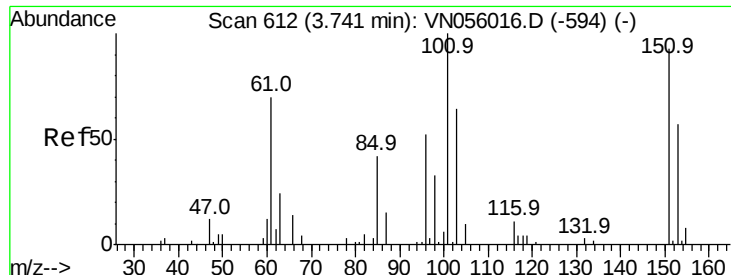


#8

Diethyl Ether
 Concen: 19.559 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	18.8	169.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.329 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

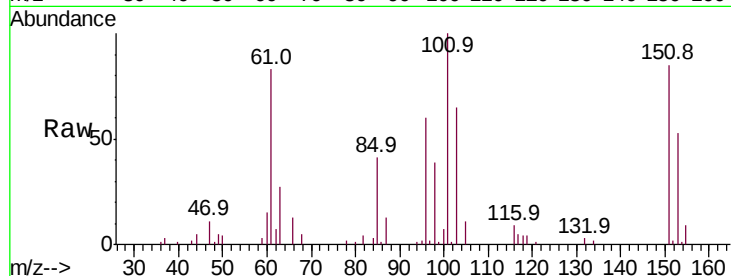
ClientSampled :

VN0606WBS01

Tot Ion:	101	Resp:	55800
Ion Ratio	Lower	Upper	
101	100		
85	41.3	0.0	82.0
151	87.3	0.0	177.0

Manual Integrations
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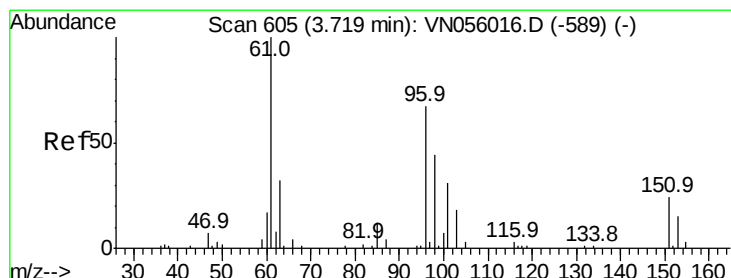
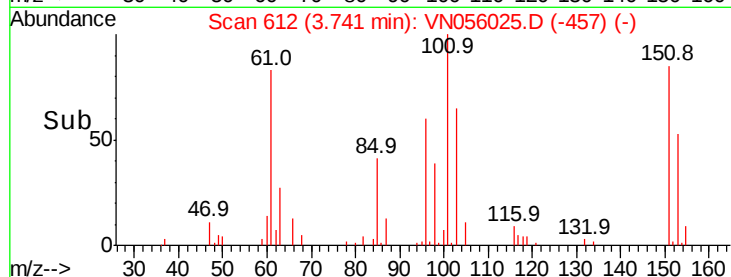
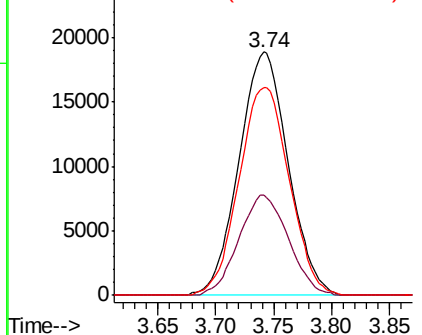
MMDadoda
6/6/2019 9:04:37 AM



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.095 ug/l

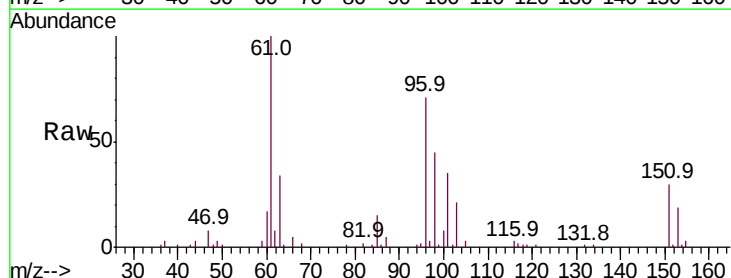
RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

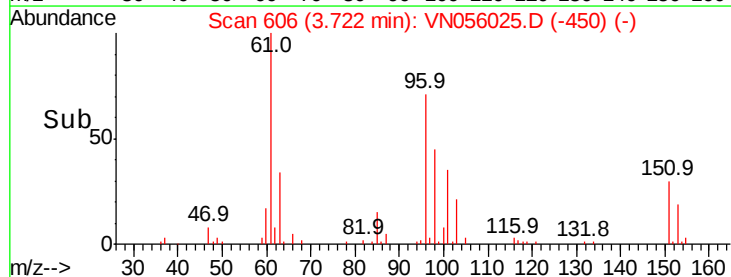
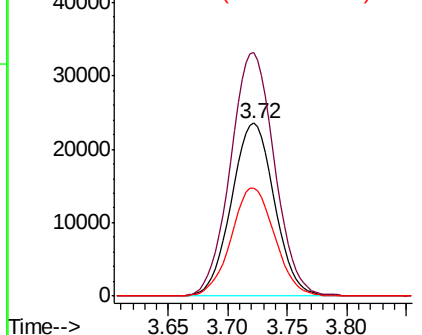
Tgt Ion:	96	Resp:	59176
Ion Ratio	Lower	Upper	
96	100		
61	139.9	119.7	179.5
98	62.7	52.3	78.5

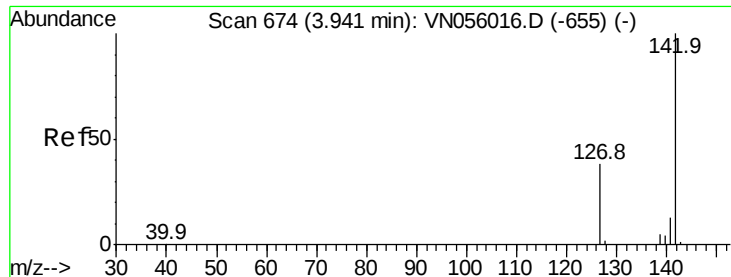


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





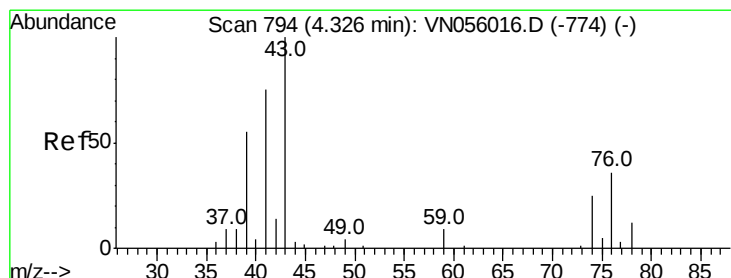
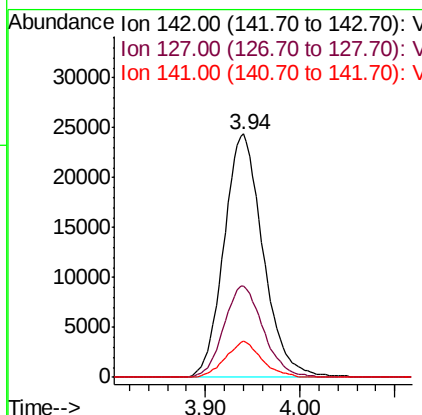
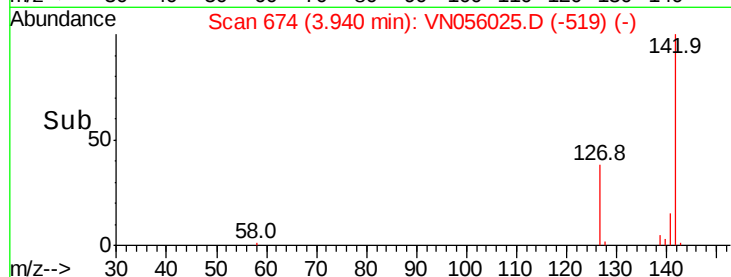
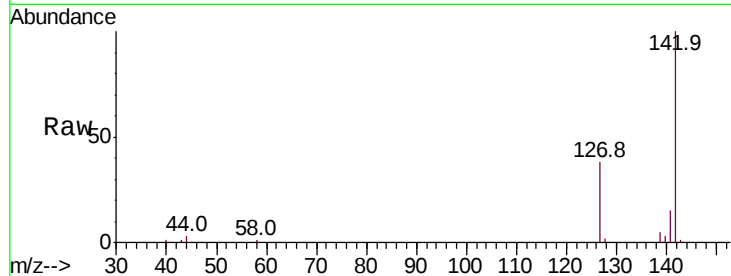
#11
Methvl Iodide
Concen: 15.070 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.7	19.0	57.0
141	14.8	6.7	20.0

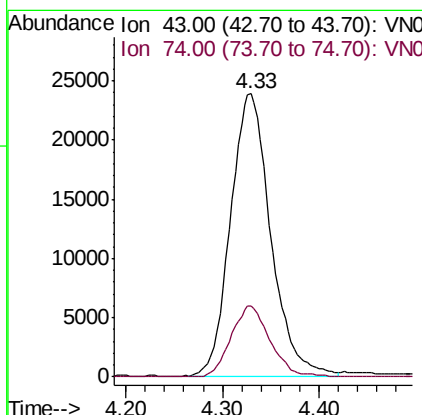
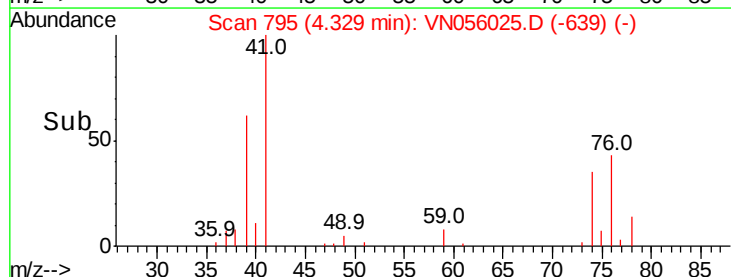
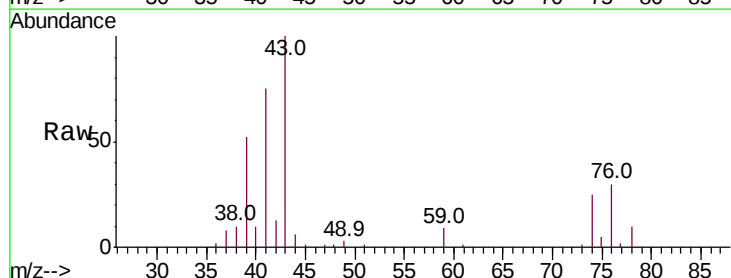
Manual Integrations
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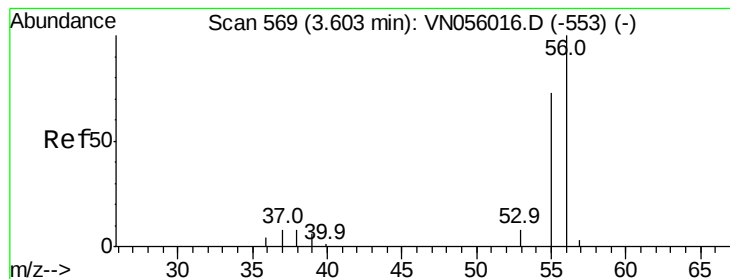
MMDadoda
6/6/2019 9:04:37 AM



#12
Methyl Acetate
Concen: 19.629 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.9	29.9





#13

Acrolein

Concen: 103.856 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

ClientSampled :

VN0606WBS01

Tot Ion: 56 Resp: 17913

Ion Ratio Lower Upper

56 100

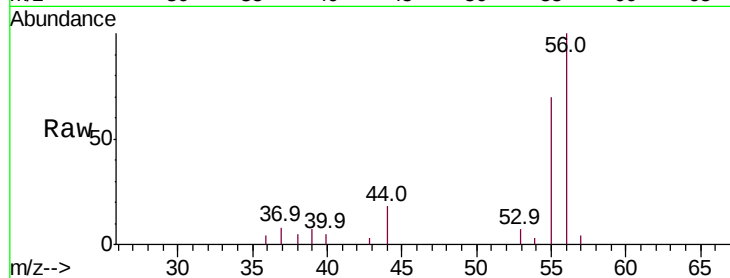
55 71.2 57.9 86.9

Manual Integrations

APPROVED

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6/6/2019 9:04:37 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

8000

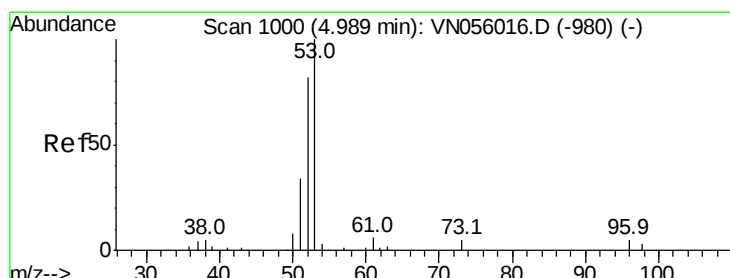
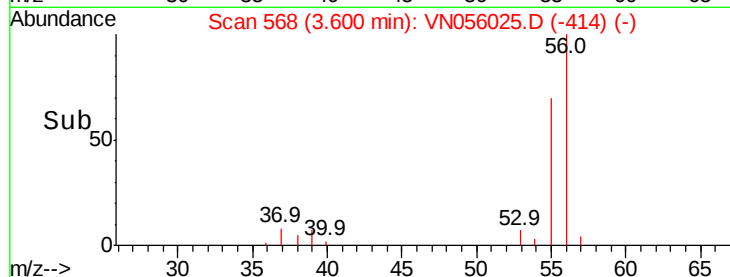
6000

4000

2000

0

Time-->



#14

Acrylonitrile

Concen: 98.941 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

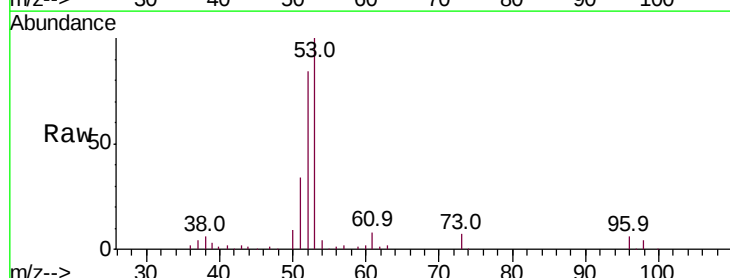
Tgt Ion: 53 Resp: 156137

Ion Ratio Lower Upper

53 100

52 81.2 40.8 122.2

51 34.8 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

4.99

60000

50000

40000

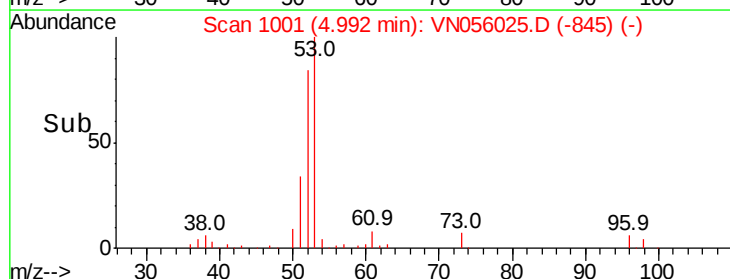
30000

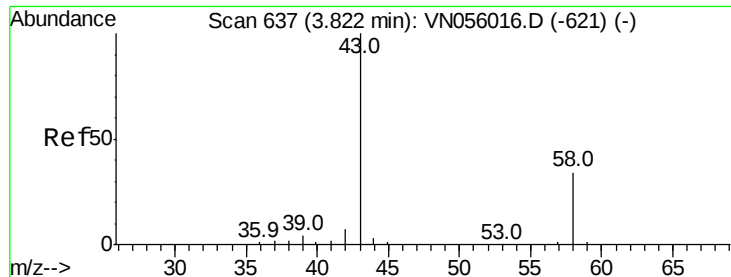
20000

10000

0

Time-->





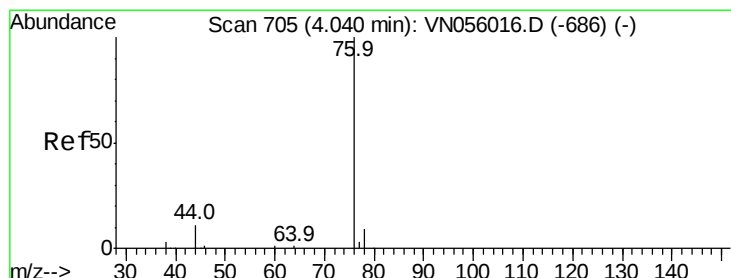
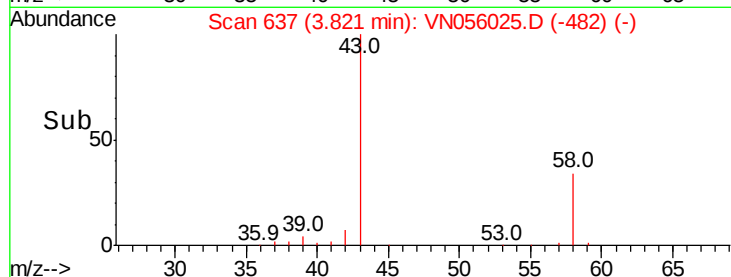
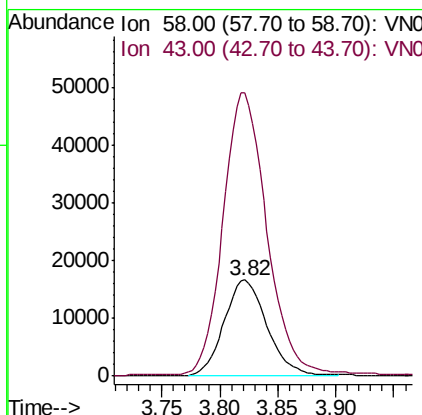
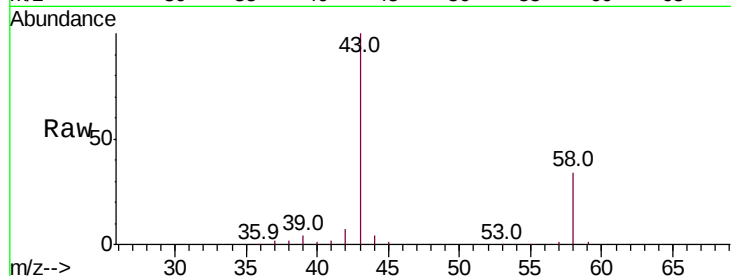
#15
Acetone
Concen: 83.418 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampled :
VN0606WBS01

Tot Ion: 58 Resp: 43103
Ion Ratio Lower Upper
58 100
43 290.3 232.5 348.7

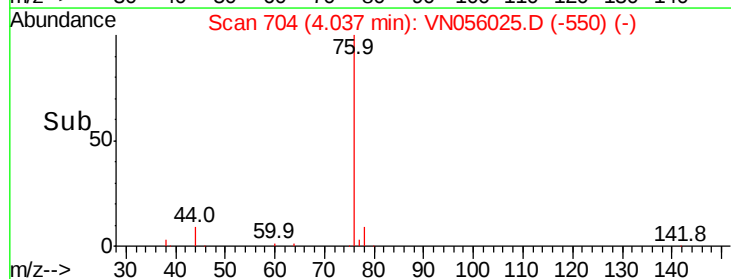
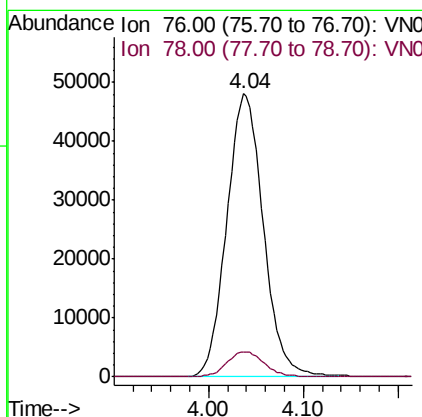
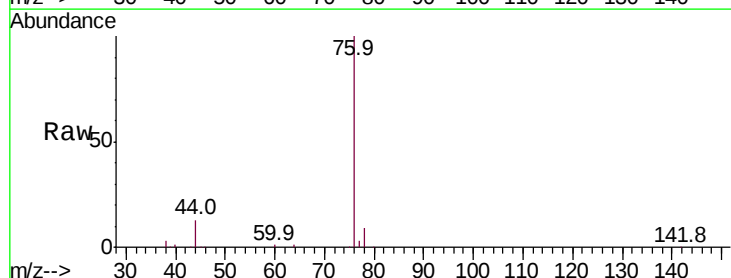
Manual Integrations
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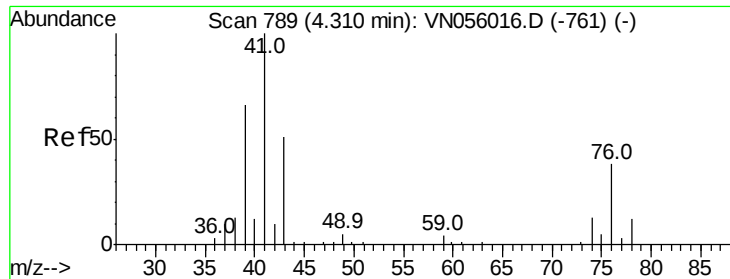
MMDadoda
6/6/2019 9:04:37 AM



#16
Carbon Disulfide
Concen: 18.451 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion: 76 Resp: 129281
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9





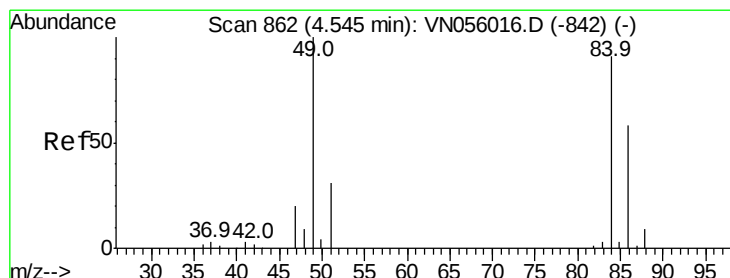
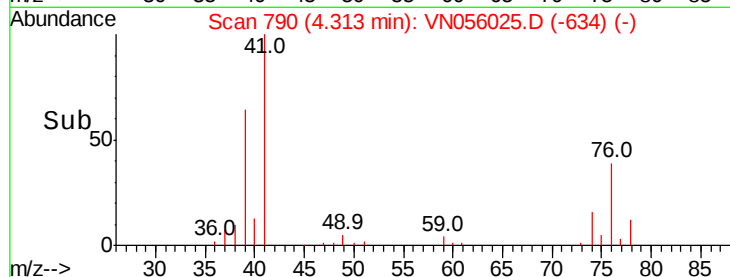
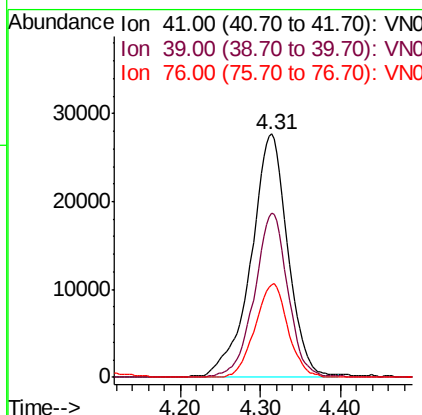
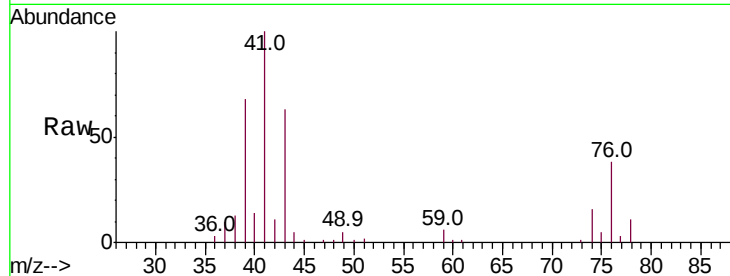
#17
Allvl chloride
Concen: 19.238 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

Tot Ion:	41	Resp:	87775
Ion	Ratio	Lower	Upper
41	100		
39	67.6	33.0	99.0
76	38.0	18.9	56.9

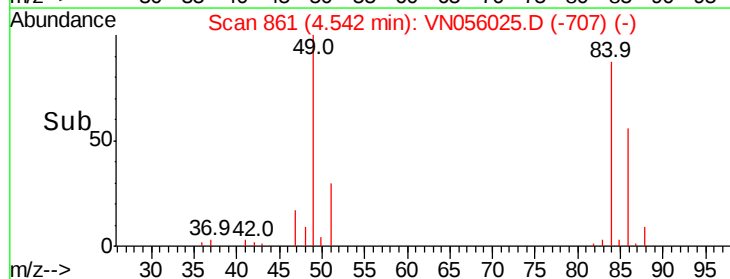
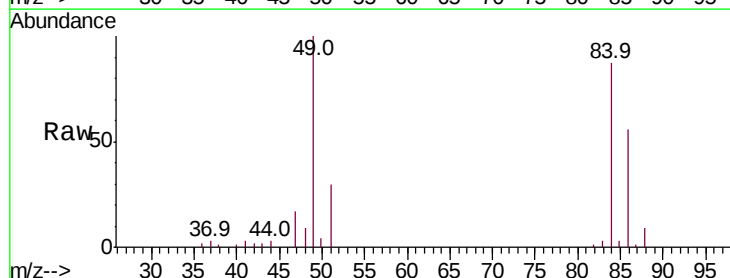
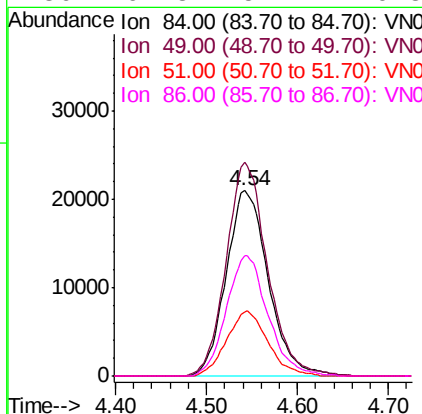
Manual Integrations
APPROVED

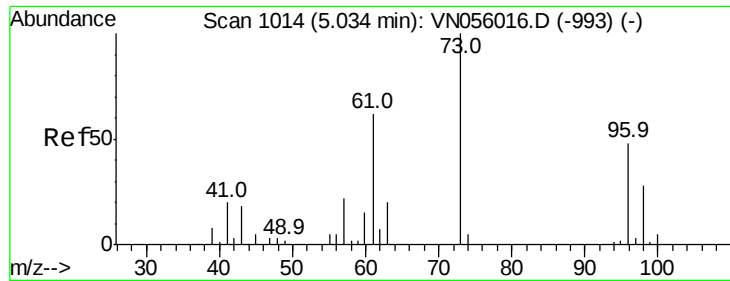
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#18
Methylene Chloride
Concen: 19.842 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion:	84	Resp:	67645
Ion	Ratio	Lower	Upper
84	100		
49	114.2	87.6	131.4
51	34.8	27.0	40.4
86	64.8	51.2	76.8





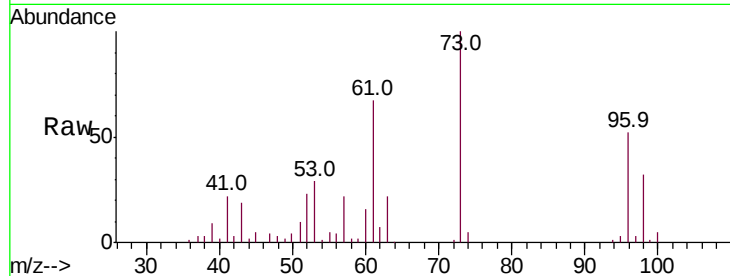
#19
trans-1,2-Dichloroethene
Concen: 19.548 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

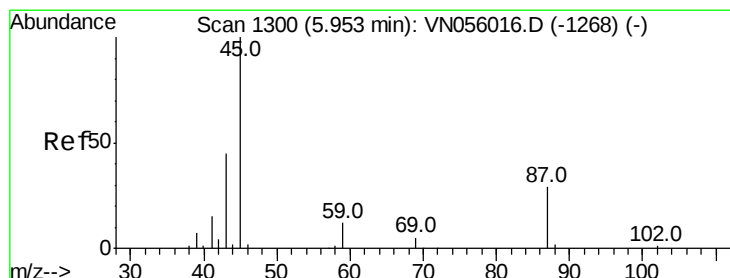
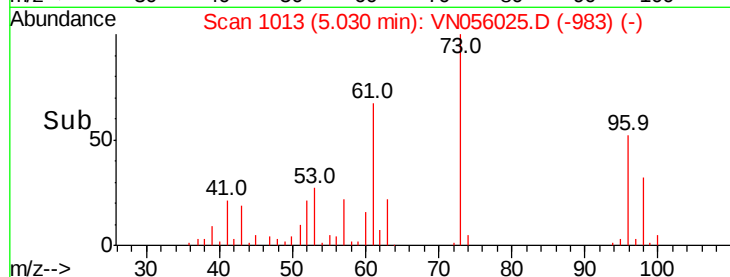
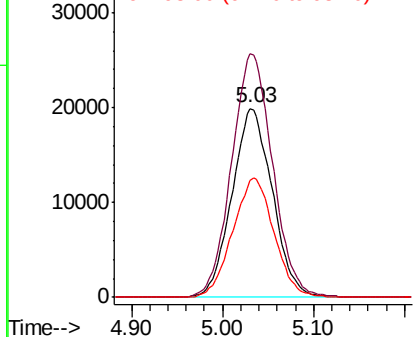
Tot Ion: 96 Resp: 61446
Ion Ratio Lower Upper
96 100
61 129.1 102.5 153.7
98 61.7 46.9 70.3

Manual Integrations
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6/6/2019 9:04:37 AM



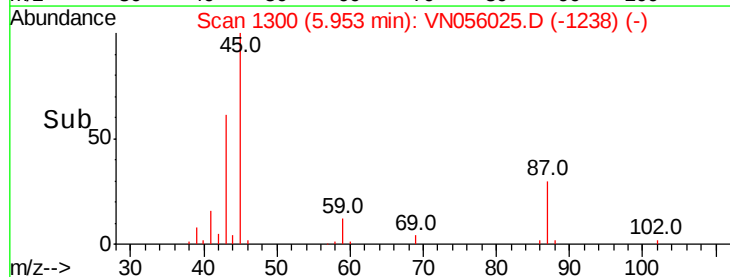
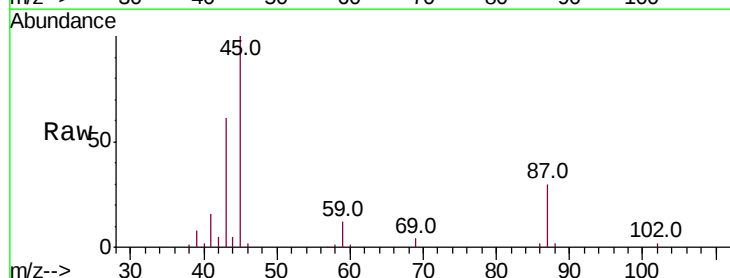
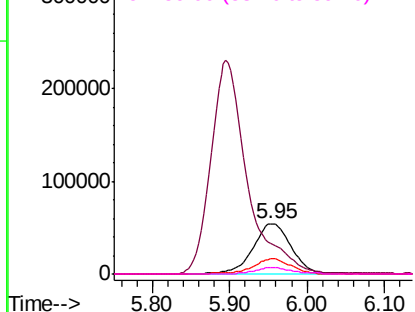
Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

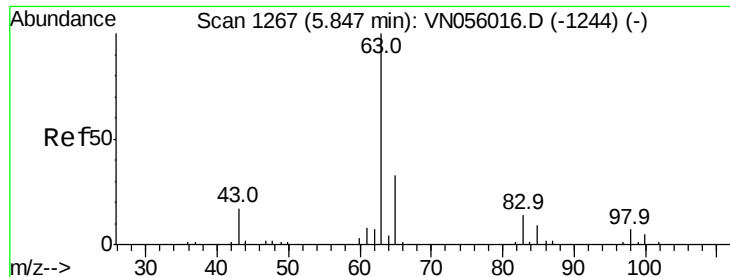


#20
Diisopropyl ether
Concen: 19.804 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion: 45 Resp: 187212
Ion Ratio Lower Upper
45 100
43 58.5 48.0 72.0
87 29.2 23.4 35.2
59 11.9 9.2 13.8

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





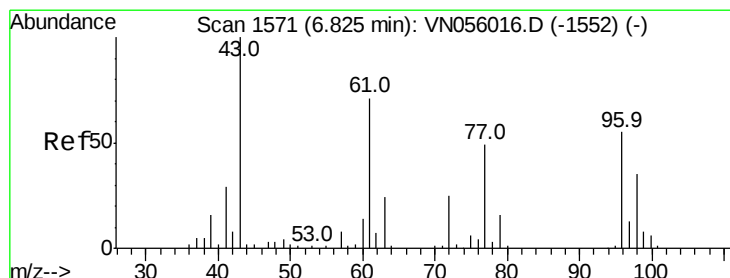
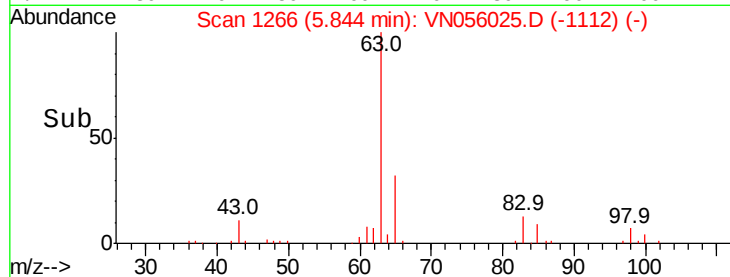
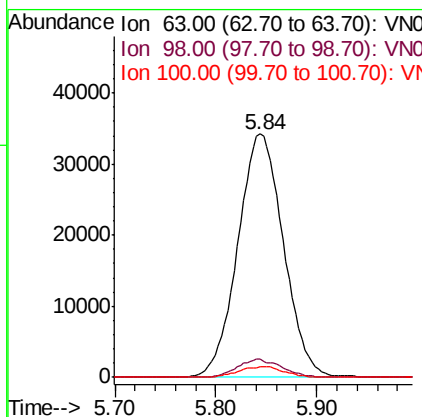
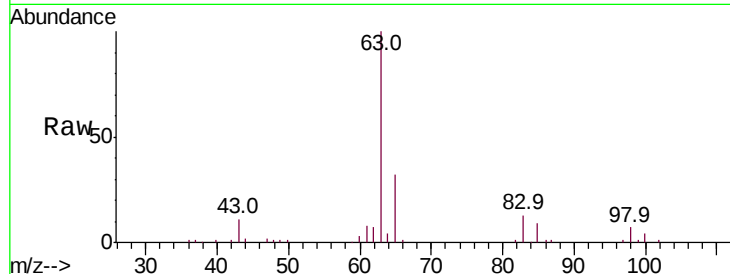
#21
 1,1-Dichloroethane
 Concen: 19.503 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	107146		
98	7.3		3.5	10.5
100	4.2		2.3	6.9

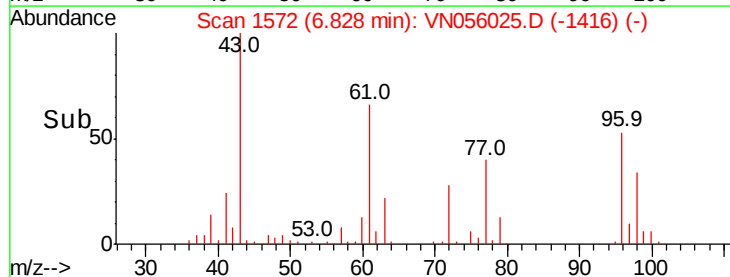
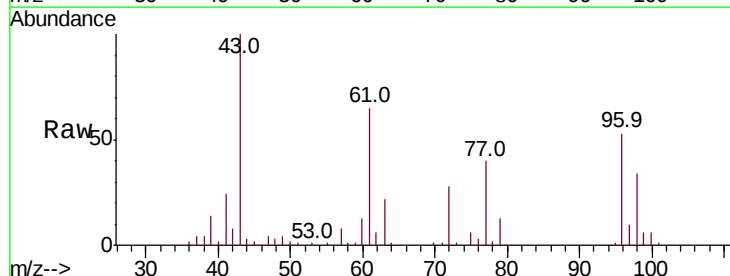
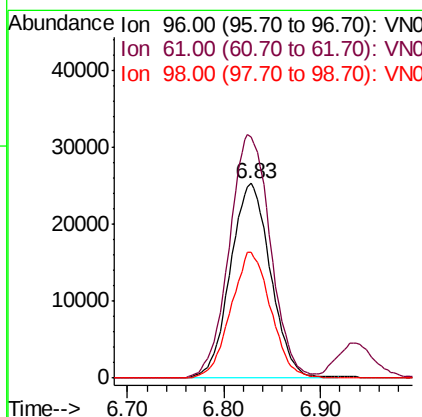
Manual Integrations
 APPROVED

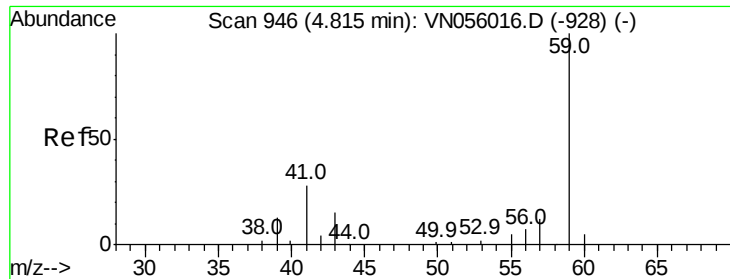
MMDadoda
 6/6/2019 9:04:37 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.988 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	73333		
61	128.3		105.7	158.5
98	64.0		52.0	78.0





#23

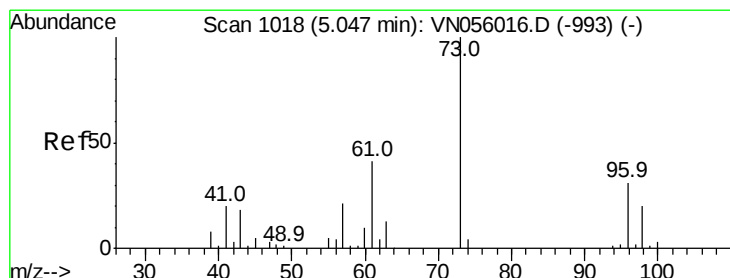
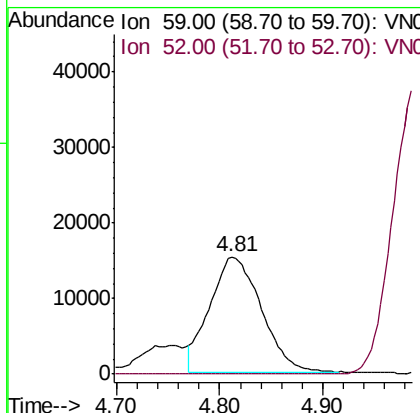
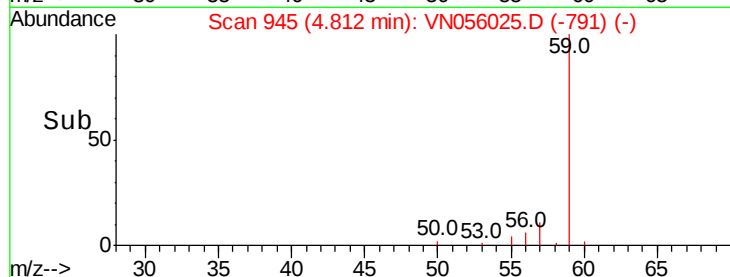
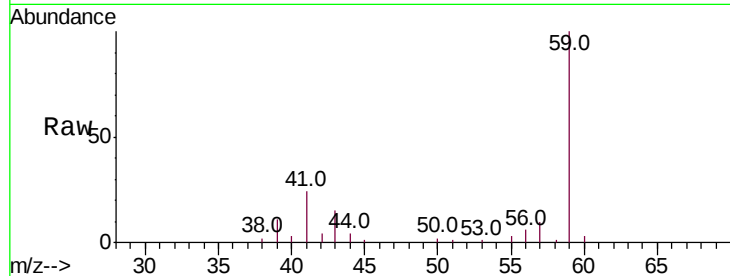
tert-Butyl Alcohol
 Concen: 85.309 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBS01

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.0	0.0	0.0	0.0	0.0

Manual Integrations
 APPROVED

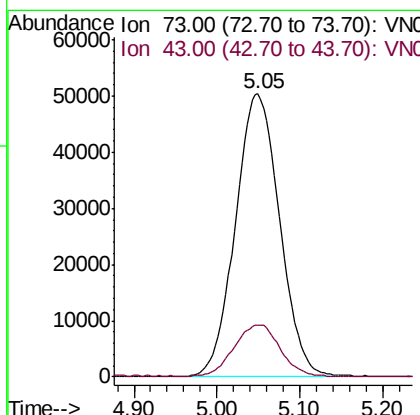
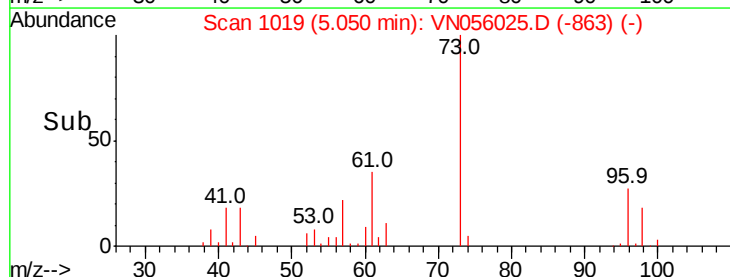
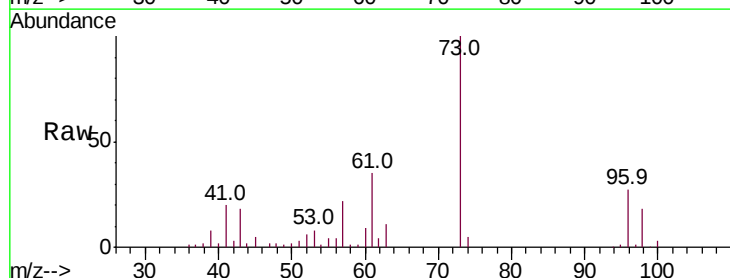
MMDadoda
 6/6/2019 9:04:37 AM

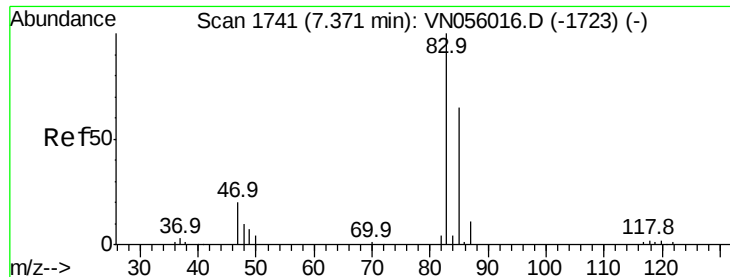


#24

Methyl tert-Butyl Ether
 Concen: 19.937 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	18.4	15.4	23.0		





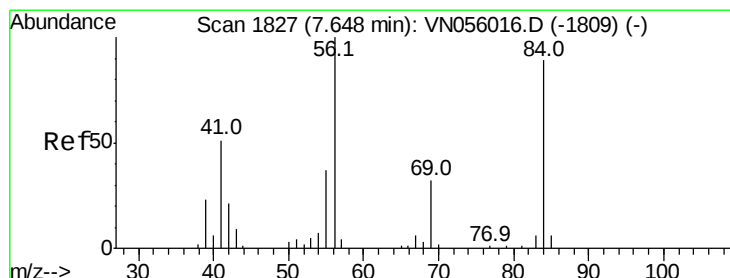
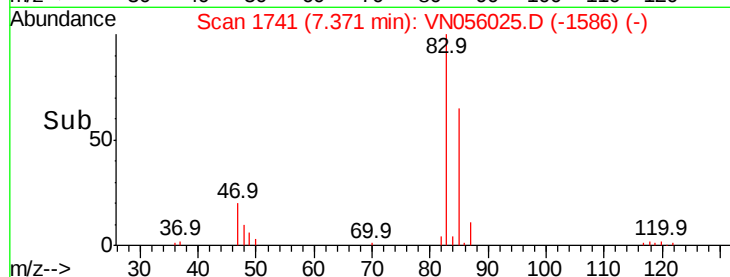
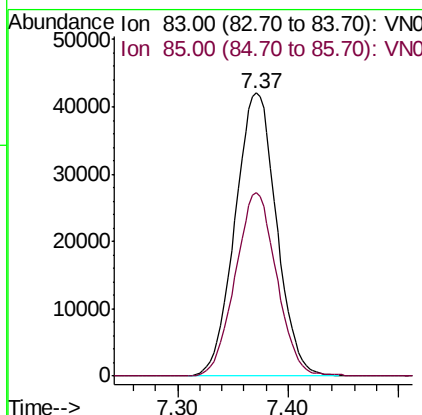
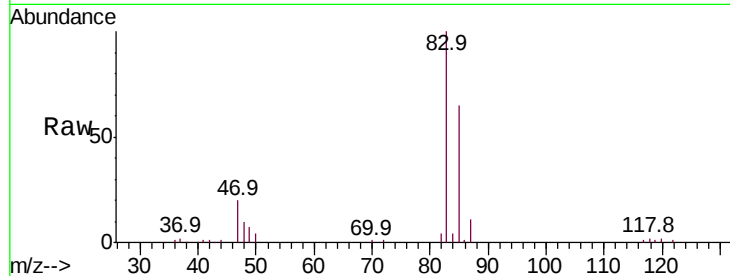
#25
Chloroform
Concen: 19.940 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampled :
VN0606WBS01

Tot Ion	83	Resp	109388
Ion Ratio	100	Lower	Upper
85	65.0	52.0	78.0

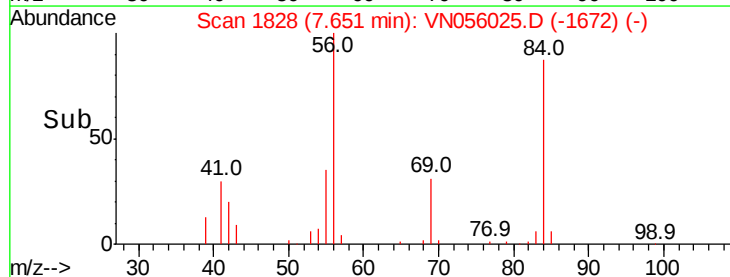
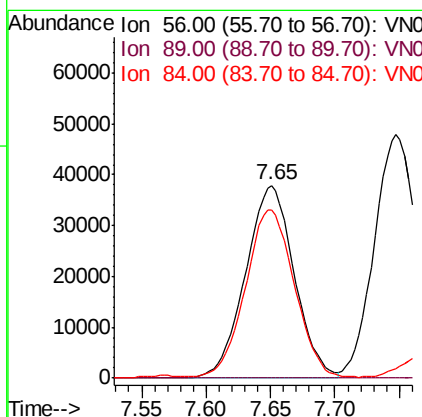
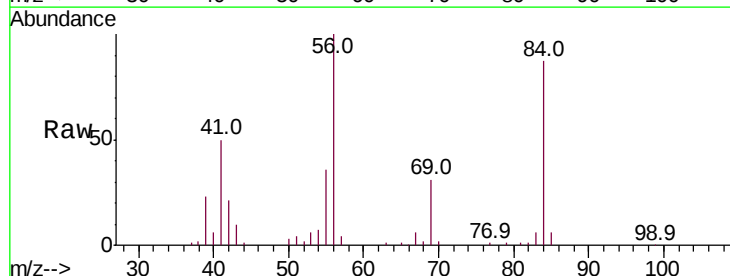
Manual Integrations
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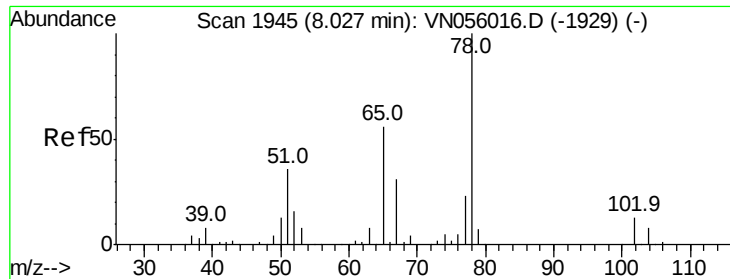
MMDadoda
6/6/2019 9:04:37 AM



#26
Cyclohexane
Concen: 19.500 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	56	Resp	99390
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	88.3	70.1	105.1





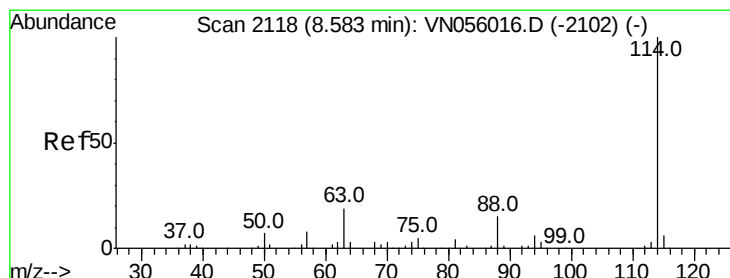
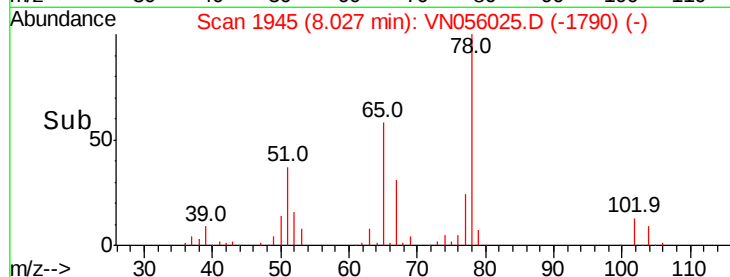
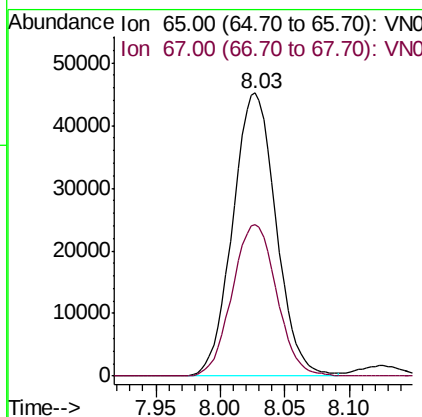
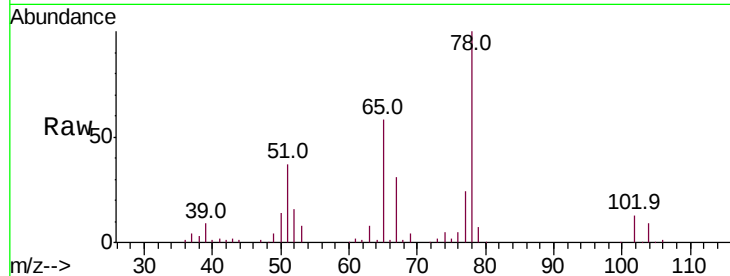
#27
 1,2-Dichloroethane-d4
 Concen: 30.178 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBS01

Tot Ion: 65 Resp: 105723
 Ion Ratio Lower Upper
 65 100
 67 54.9 43.4 65.2

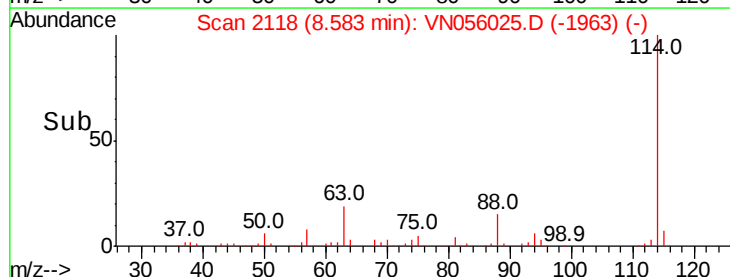
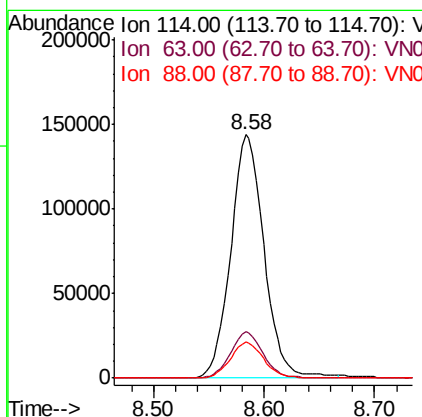
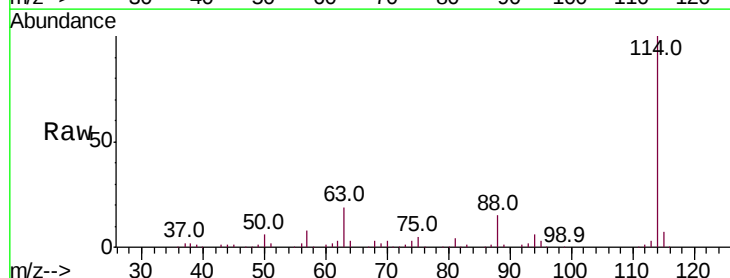
Manual Integrations
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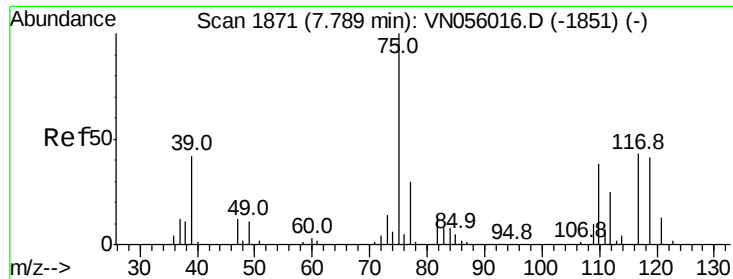
MMDadoda
 6/6/2019 9:04:37 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion: 114 Resp: 301568
 Ion Ratio Lower Upper
 114 100
 63 18.6 14.7 22.1
 88 15.0 11.9 17.9





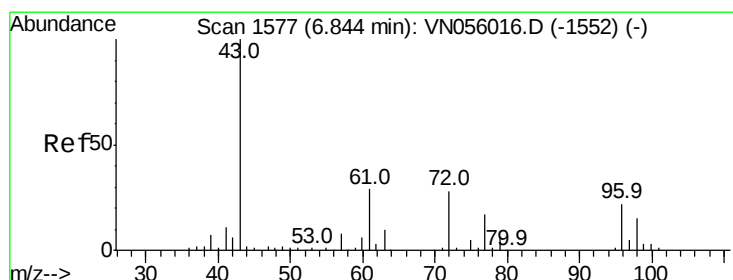
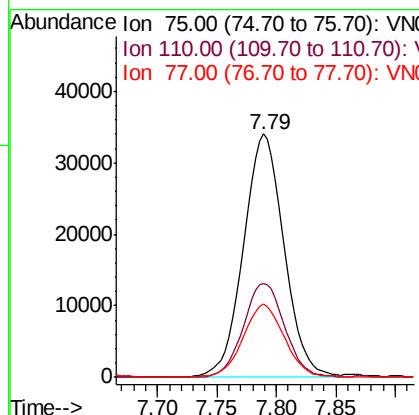
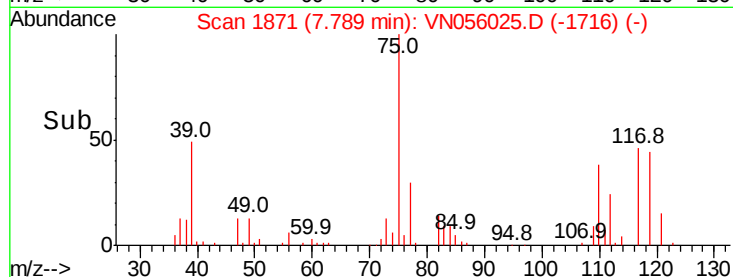
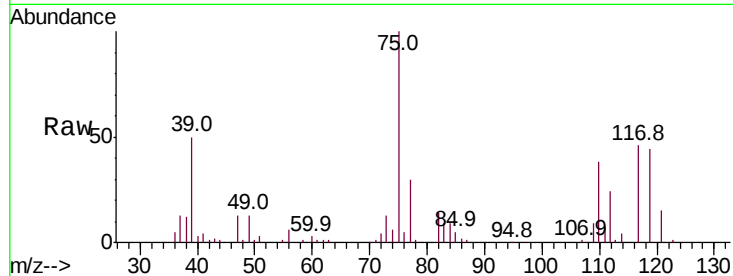
#29
 1,1-Dichloropropene
 Concen: 19.737 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	39.1	0.0	77.0
77	30.5	0.0	62.4

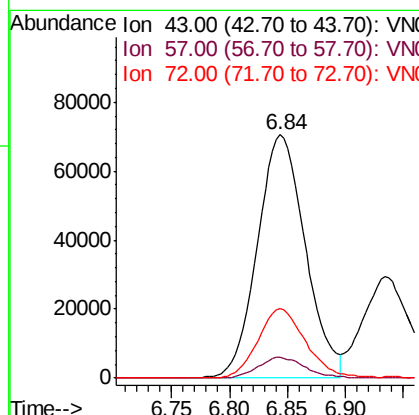
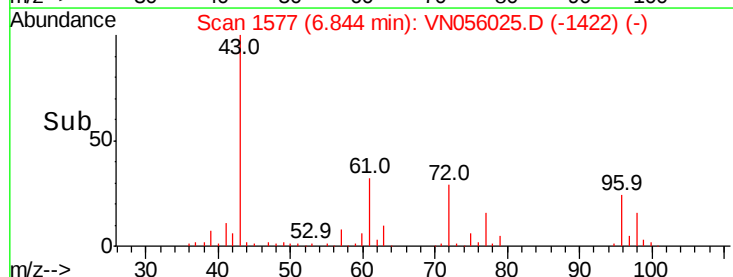
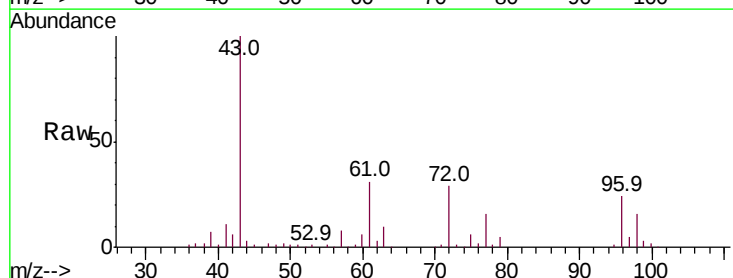
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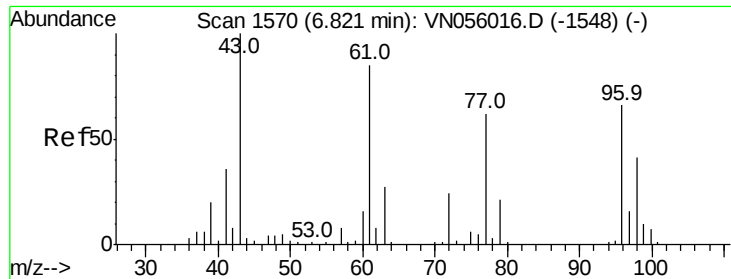
MMDadoda
 6/6/2019 9:04:37 AM



#30
 2-Butanone
 Concen: 93.658 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.7	10.1
72	28.8	22.4	33.6





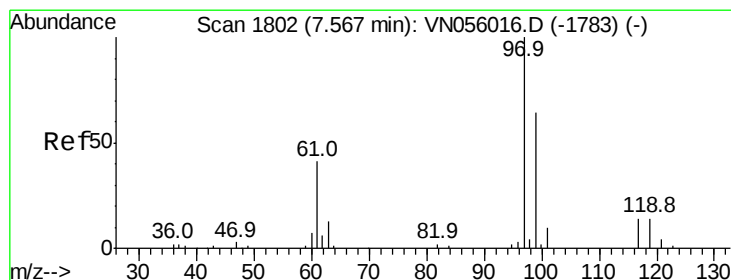
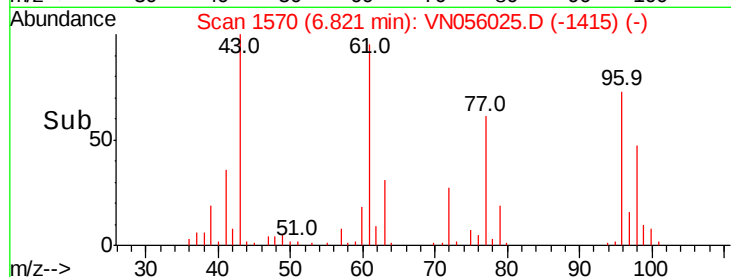
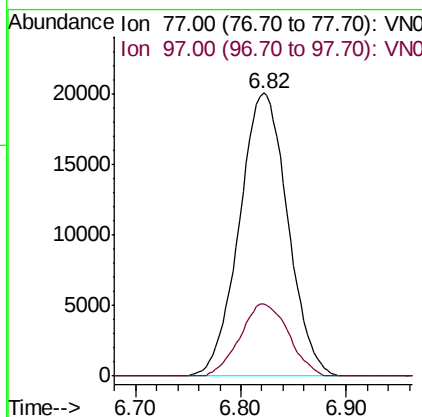
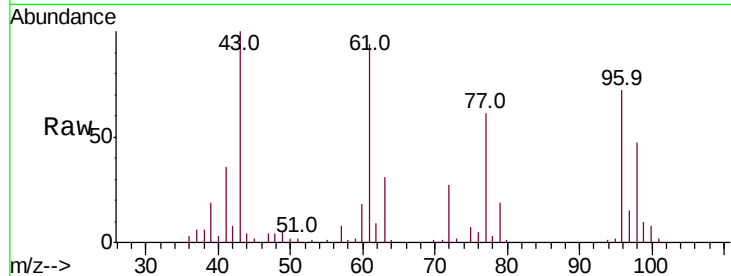
#31
 2,2-Dichloropropane
 Concen: 16.858 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBS01

Tot Ion: 77 Resp: 63974
 Ion Ratio Lower Upper
 77 100
 97 25.6 20.8 31.2

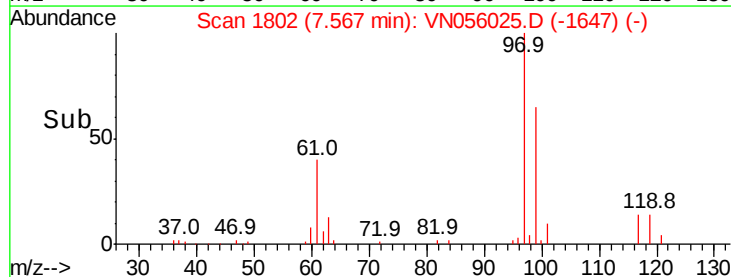
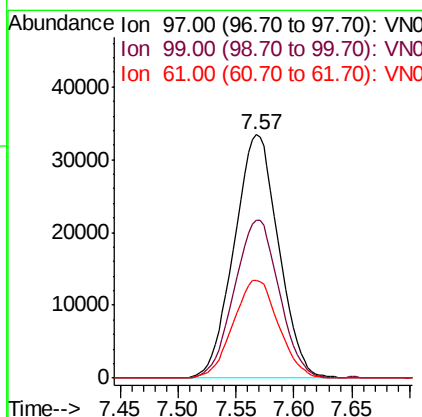
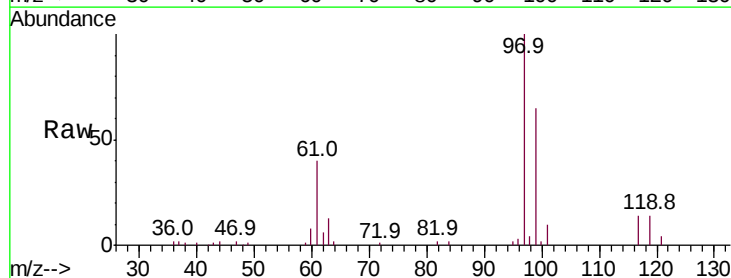
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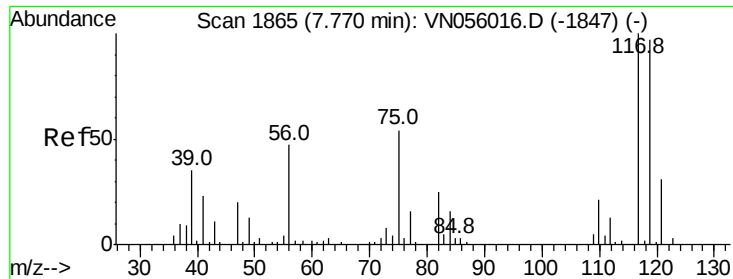
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#32
 1,1,1-Trichloroethane
 Concen: 19.773 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion: 97 Resp: 89114
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.5 77.3
 61 40.9 32.9 49.3





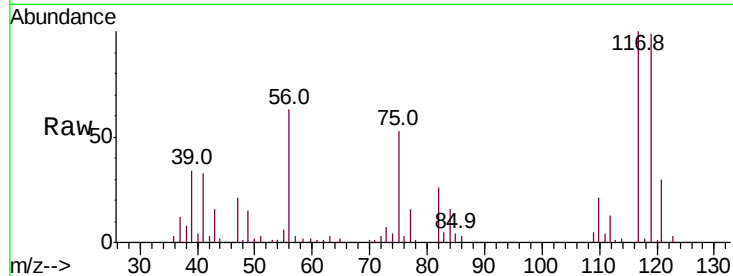
#33
Carbon Tetrachloride
Concen: 18.934 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampled :
VN0606WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.3	115.9
121	29.5	25.0	37.4

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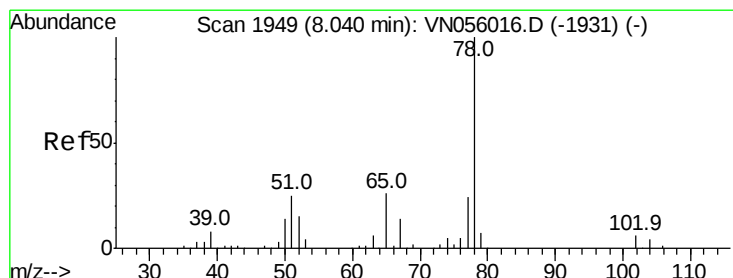
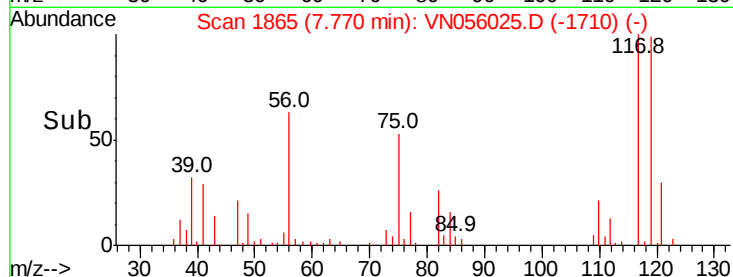
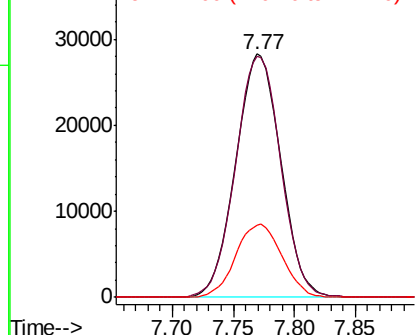


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 20.088 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

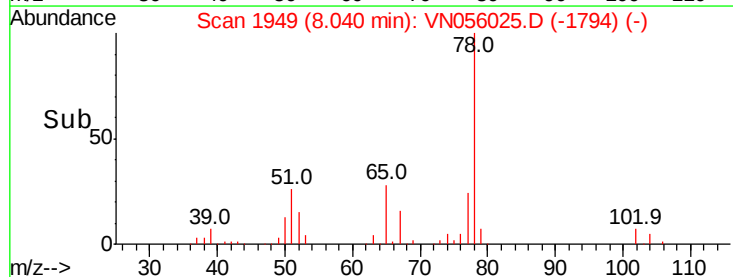
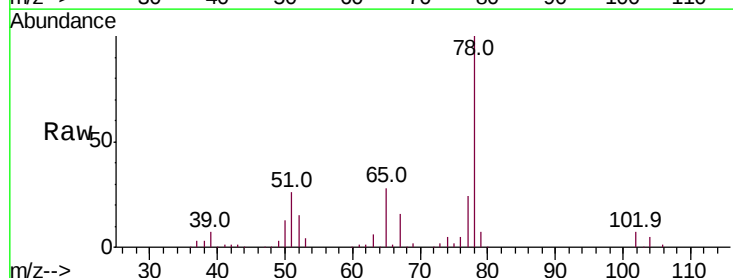
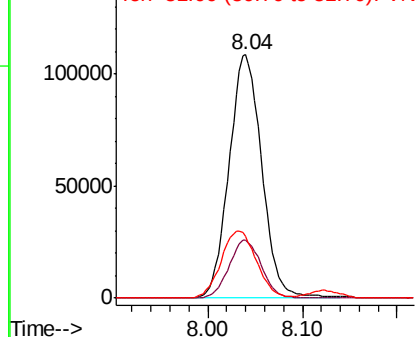
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9
51	25.3	19.8	29.8

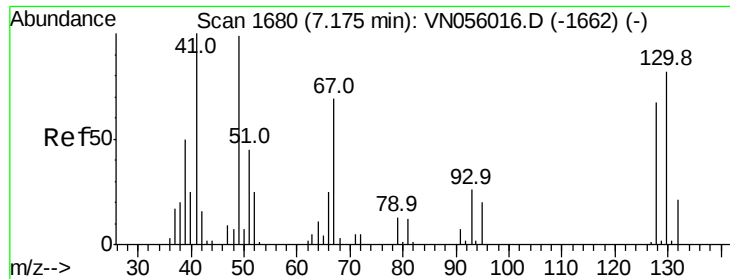
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





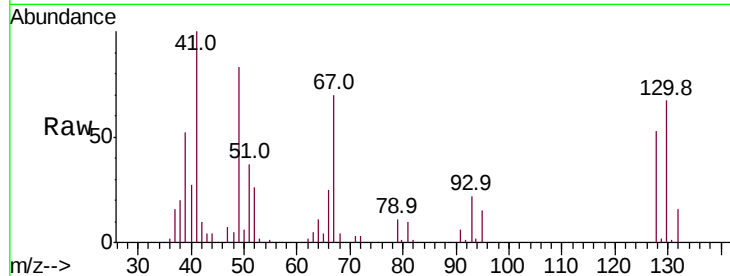
#35
Methacrylonitrile
Concen: 22.639 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	24.8	74.3
67	70.4	34.3	102.9
52	26.4	12.6	37.8

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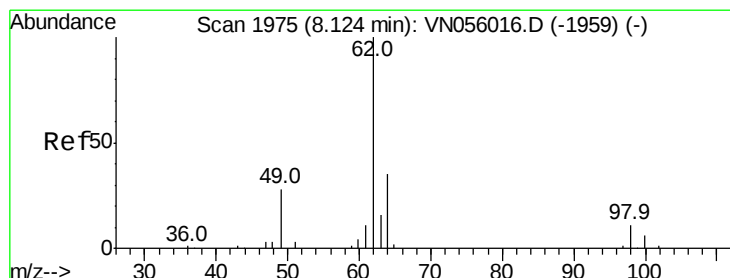
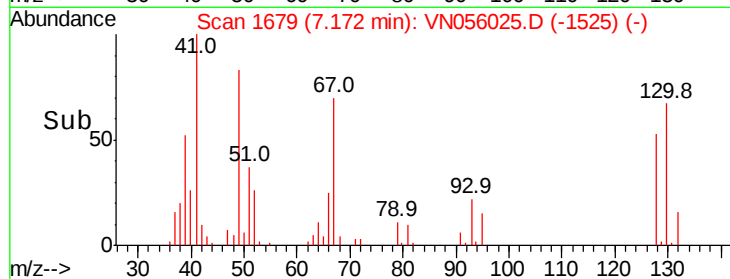
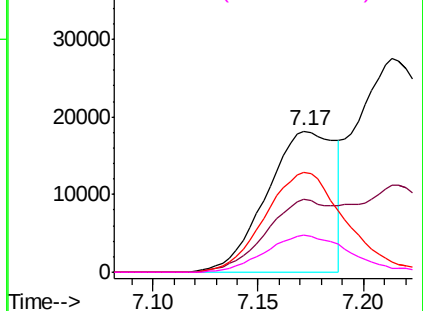
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

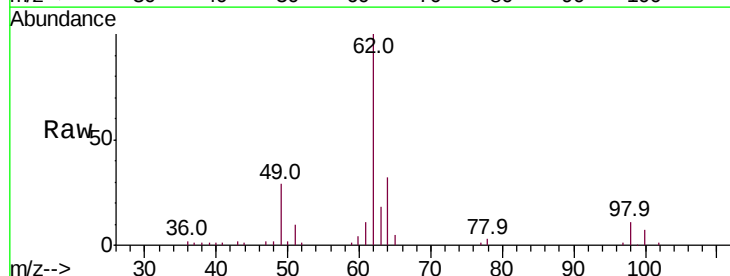
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 19.828 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

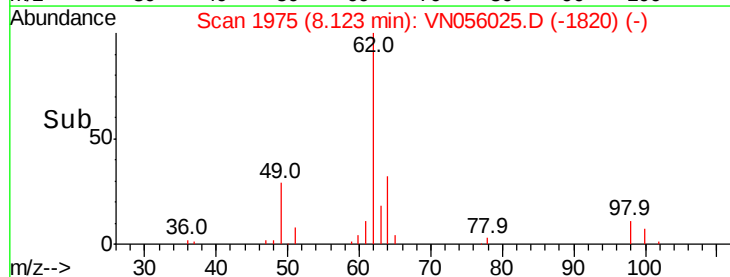
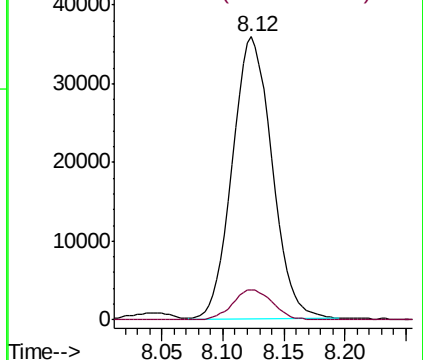
Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	8.6	13.0

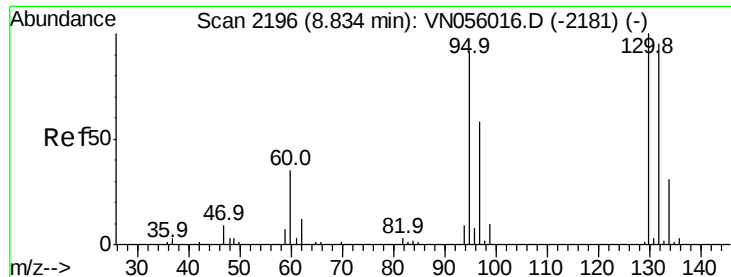


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





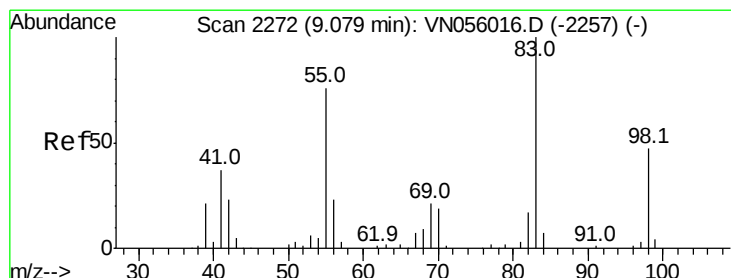
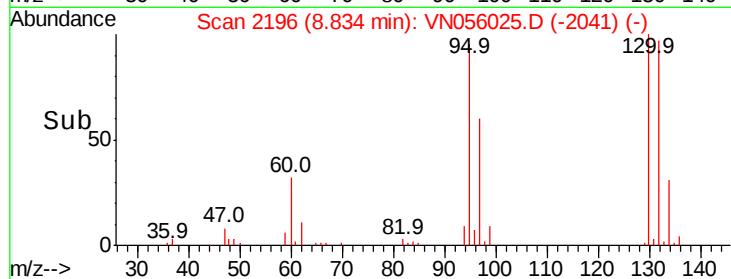
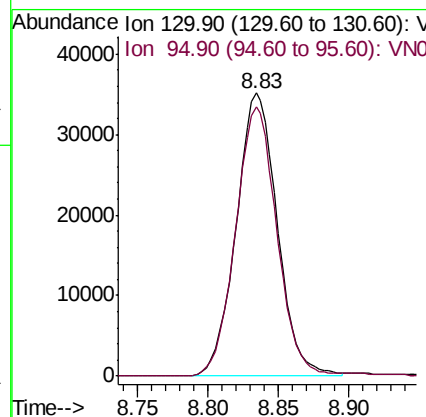
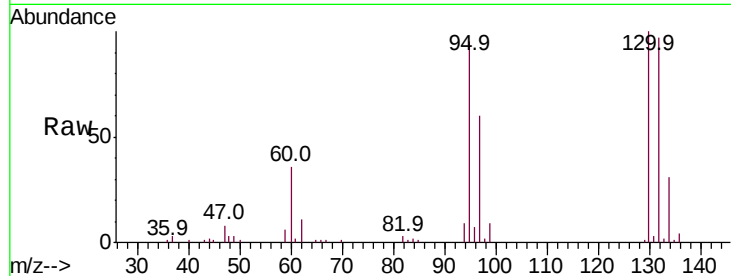
#37
 Trichloroethene
 Concen: 19.734 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBS01

Tot Ion:130 Resp: 71771
 Ion Ratio Lower Upper
 130 100
 95 94.9 73.0 109.6

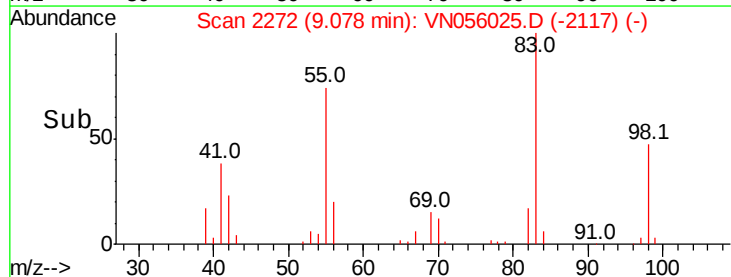
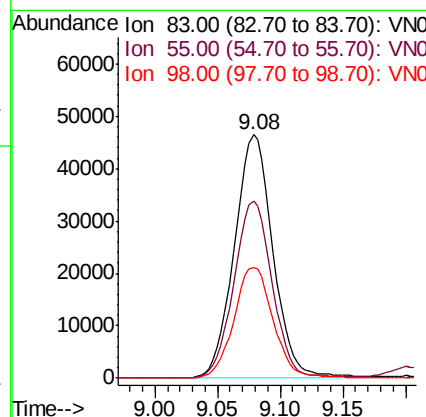
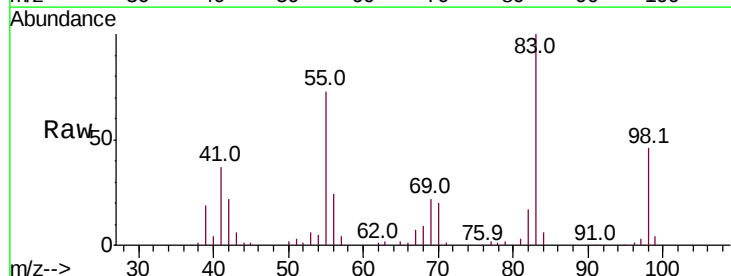
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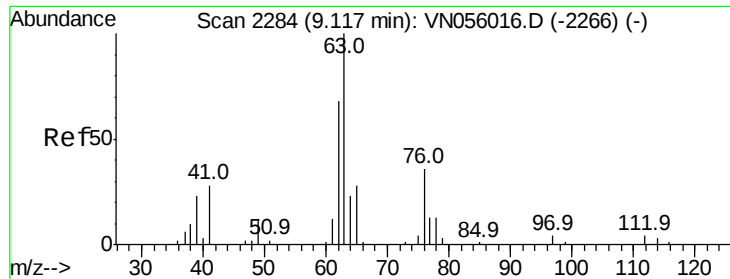
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#38
 Methylcyclohexane
 Concen: 19.206 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion: 83 Resp: 99324
 Ion Ratio Lower Upper
 83 100
 55 72.0 37.5 112.7
 98 46.3 23.1 69.3





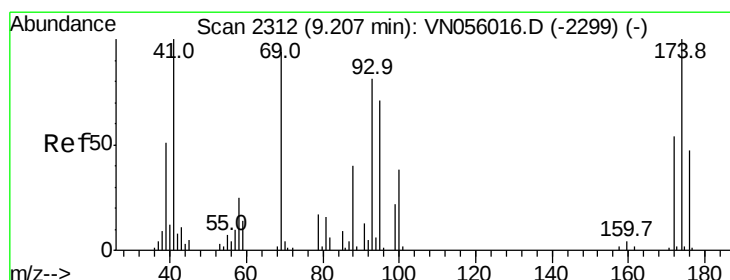
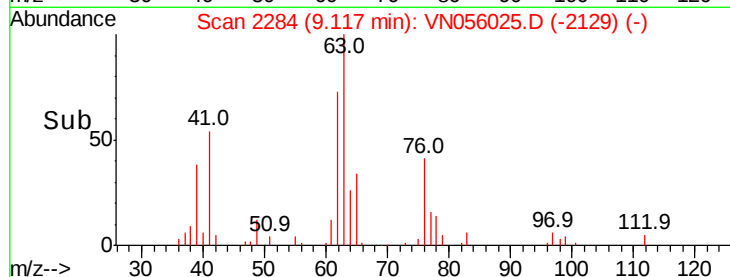
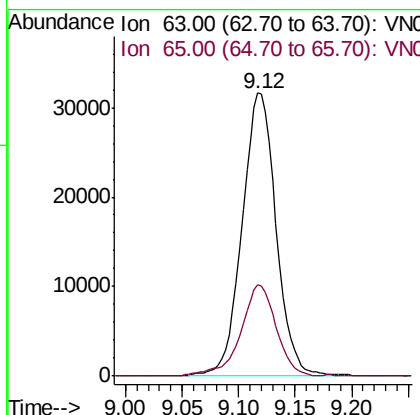
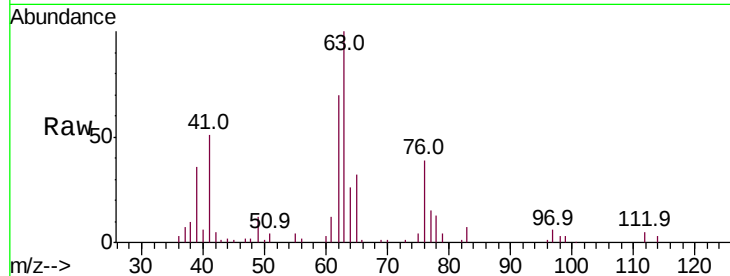
#39
 1,2-Dichloropropane
 Concen: 19.878 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBS01

Tot Ion: 63 Resp: 66169
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.1 34.7

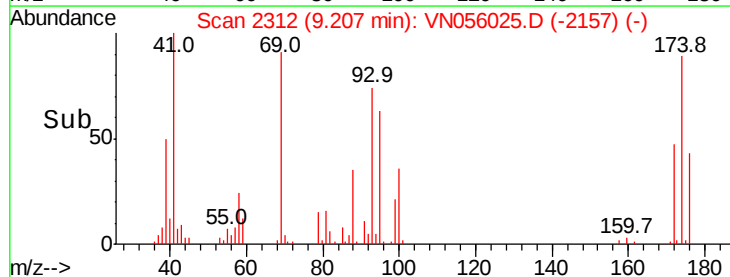
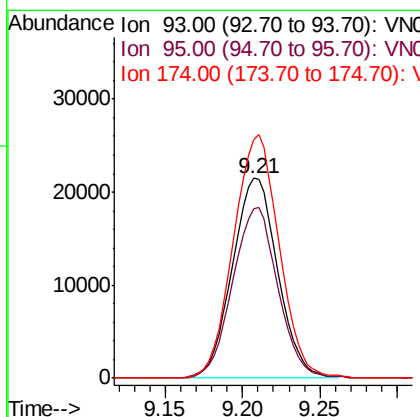
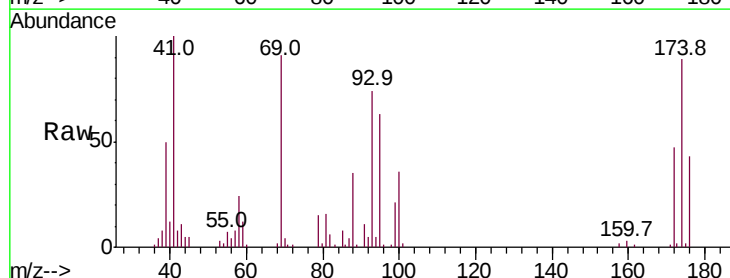
Manual Integrations
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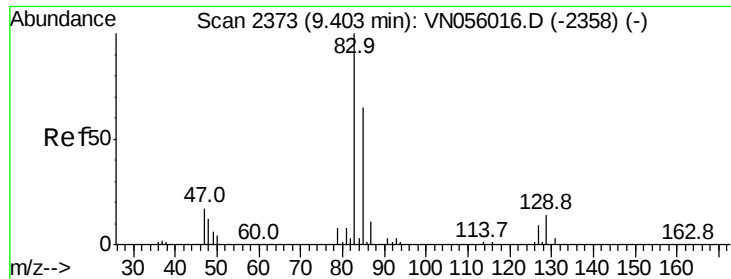
MMDadoda
 6/6/2019 9:04:37 AM



#40
 Dibromomethane
 Concen: 19.850 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion: 93 Resp: 43811
 Ion Ratio Lower Upper
 93 100
 95 84.8 0.0 169.0
 174 122.9 0.0 246.4





#41

Bromodichloromethane

Concen: 19.313 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

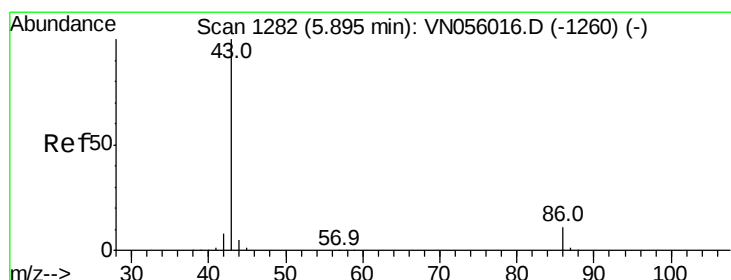
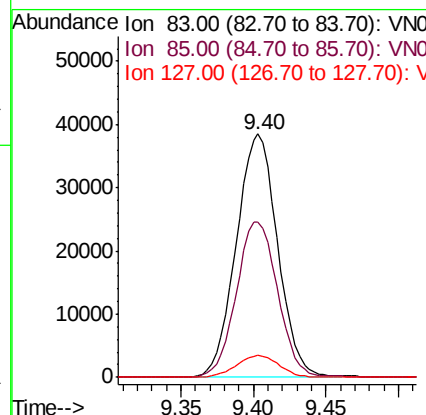
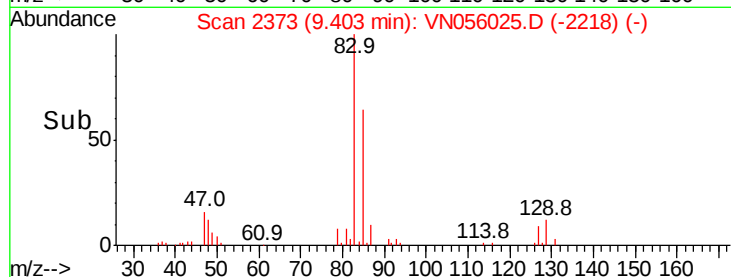
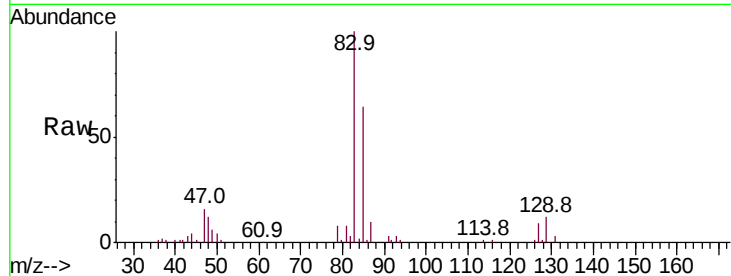
ClientSampled :

VN0606WBS01

Tot Ion:	83	Resp:	76327
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.8	77.6
127	10.0	7.3	10.9

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#42

Vinyl Acetate

Concen: 99.290 ug/l

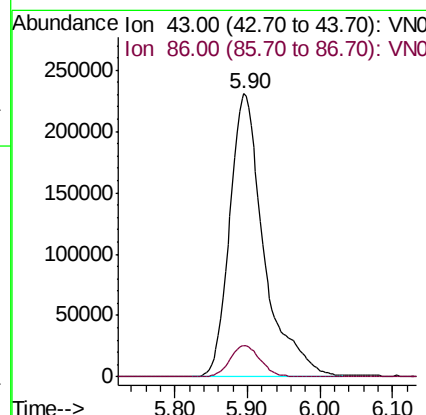
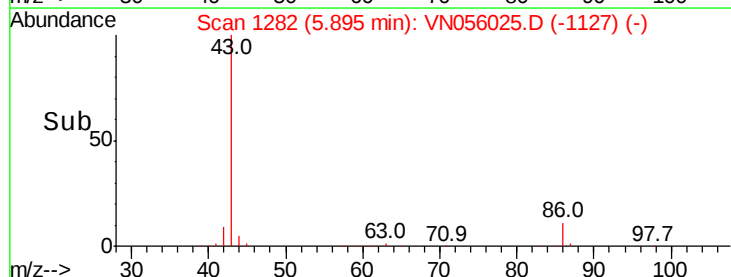
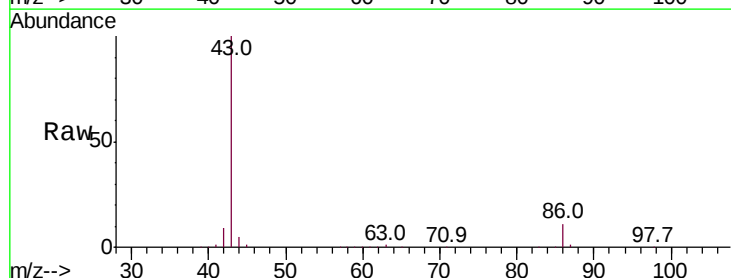
RT: 5.90 min Scan# 1282

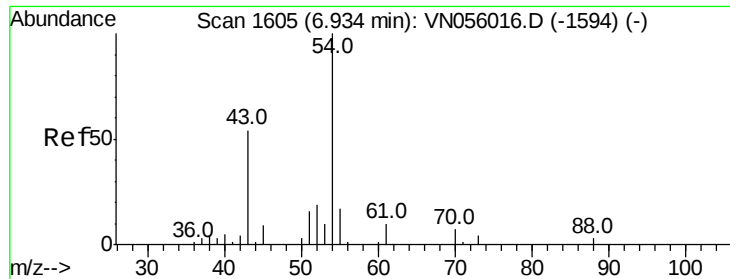
Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Tgt Ion:	43	Resp:	760182
Ion Ratio	Lower	Upper	
43	100		
86	9.8	7.9	11.9





#43

Ethyl Acetate

Concen: 19.343 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBS01

Tot Ion: 43 Resp: 79501

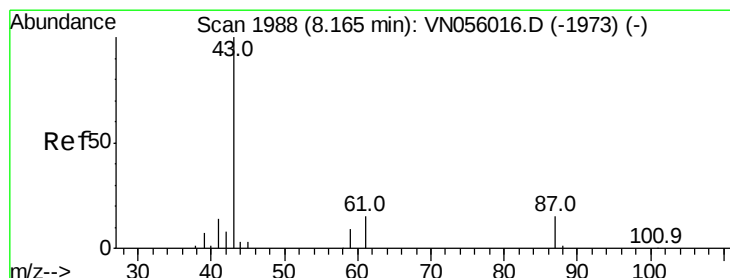
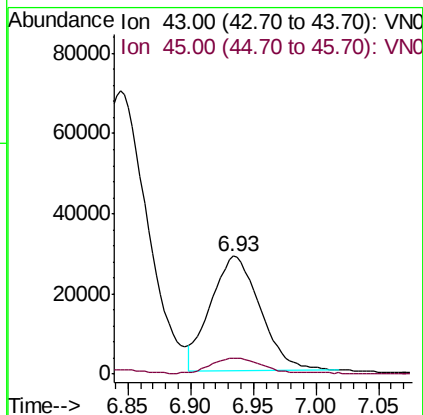
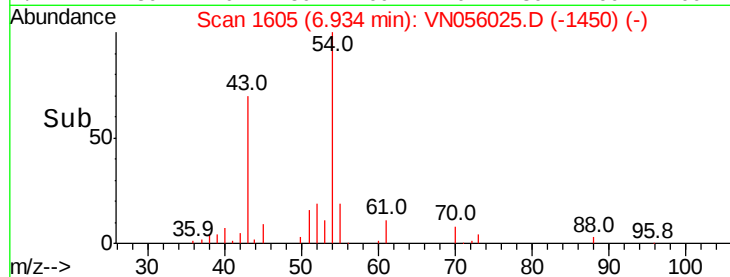
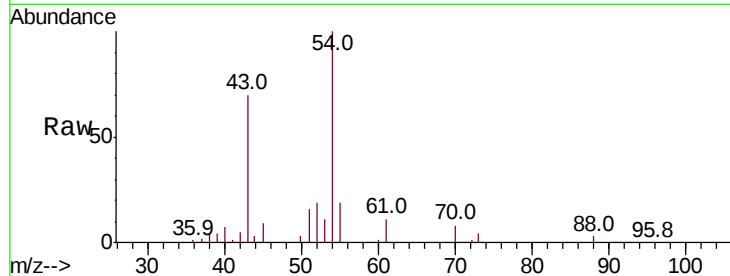
Ion Ratio Lower Upper

43 100

45 12.9 12.3 18.5

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#44

Isopropyl Acetate

Concen: 19.495 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN056025.D

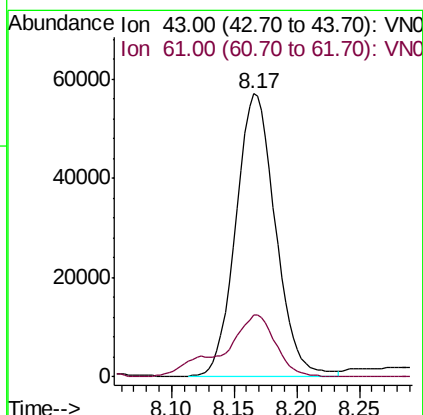
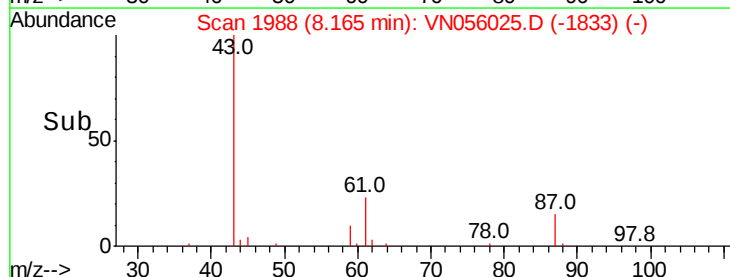
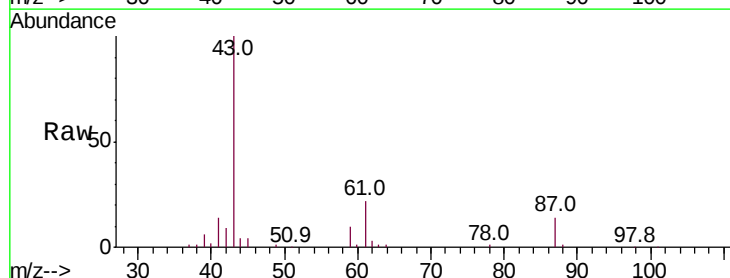
Acq: 5 Jun 2019 23:53

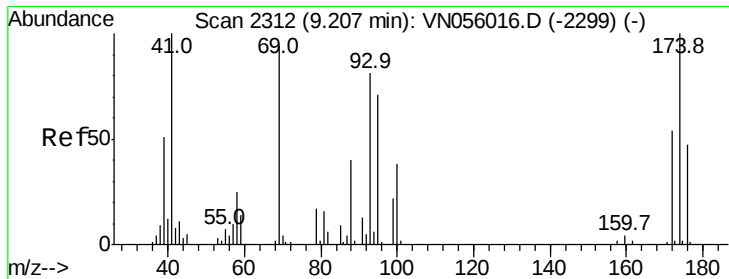
Tgt Ion: 43 Resp: 124406

Ion Ratio Lower Upper

43 100

61 22.3 16.9 25.3





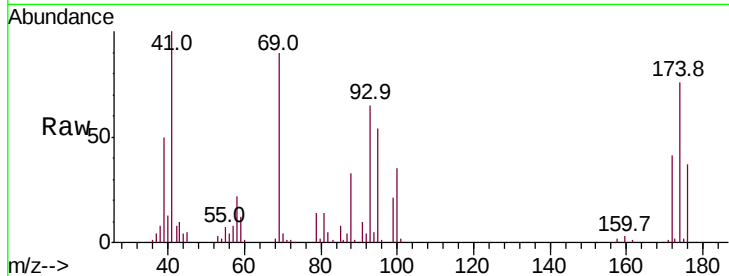
#45
1,4-Dioxane
Concen: 377.372 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

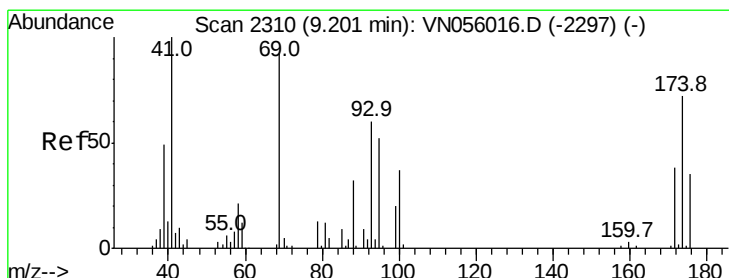
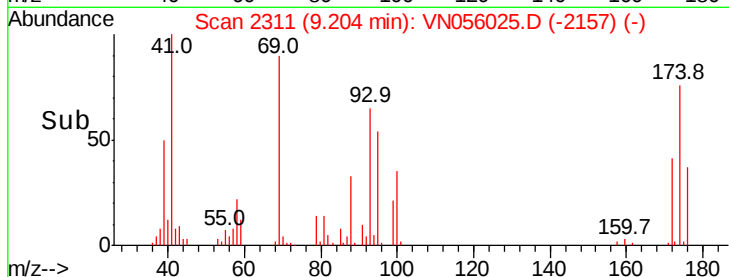
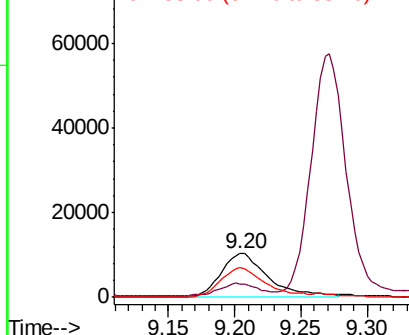
Tot Ion	Ratio	Lower	Upper
88	100		
43	24.0	19.8	29.6
58	64.4	48.5	72.7

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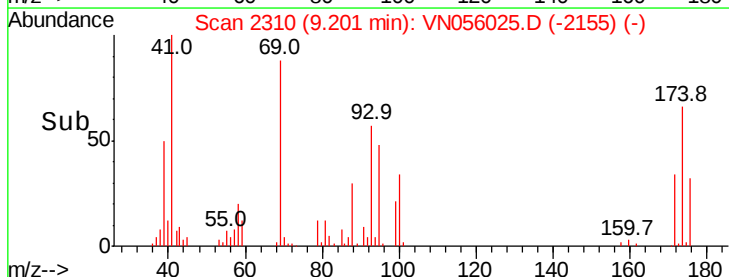
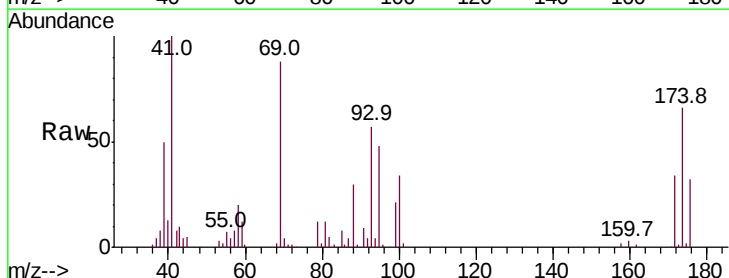
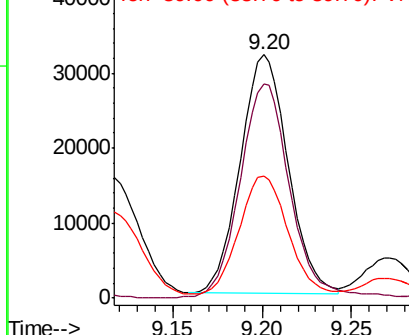
Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

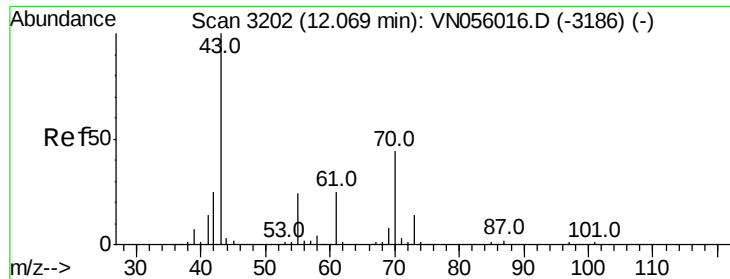


#46
Methyl methacrylate
Concen: 18.829 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.3	46.0	137.8
39	49.8	24.6	73.8

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





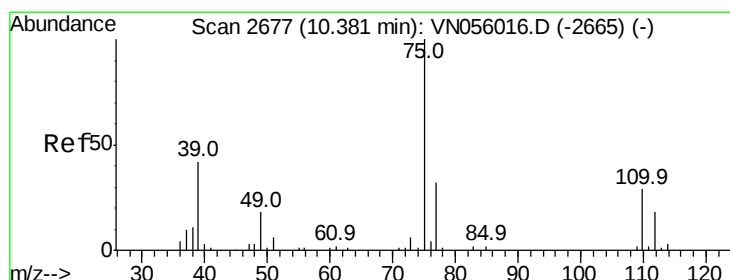
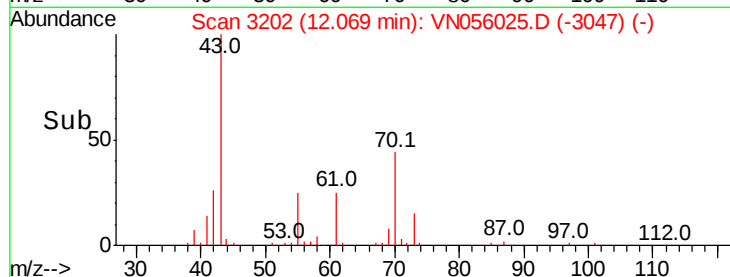
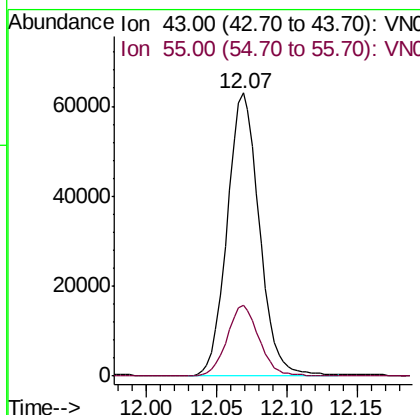
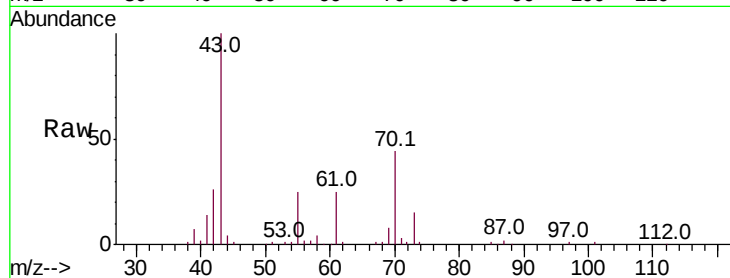
#47
n-amyl Acetate
Concen: 19.087 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampled :
VN0606WBS01

Tot Ion: 43 Resp: 100729
Ion Ratio Lower Upper
43 100
55 24.8 19.0 28.6

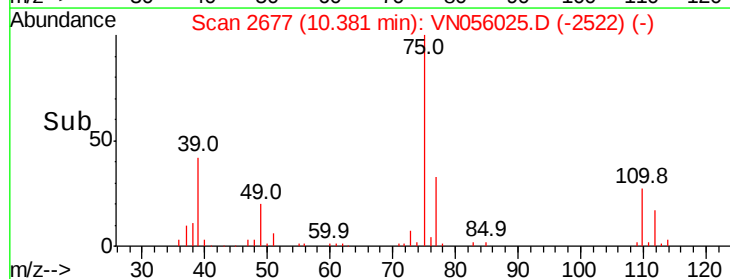
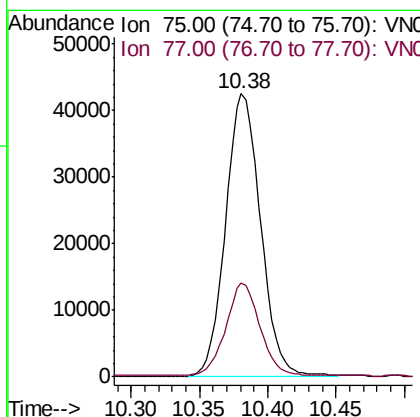
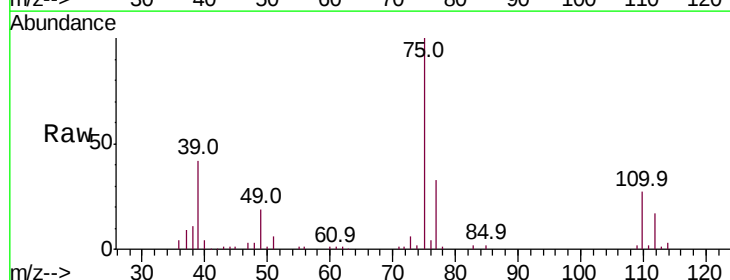
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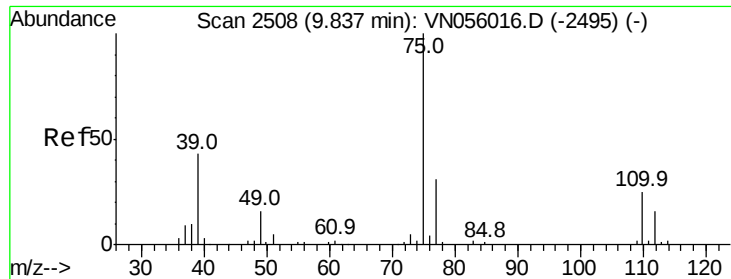
MMDadoda
6/6/2019 9:04:37 AM



#48
t-1,3-Dichloropropene
Concen: 18.342 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion: 75 Resp: 76289
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0





#49

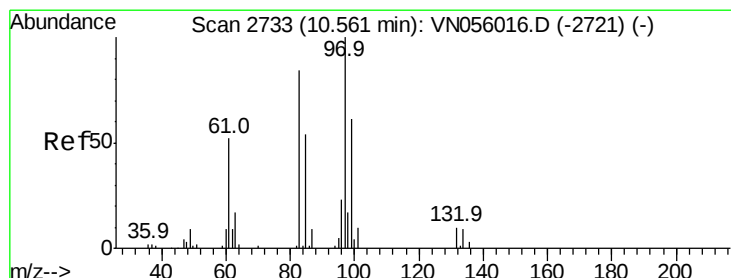
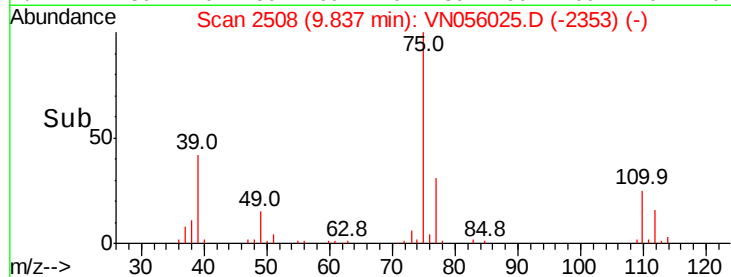
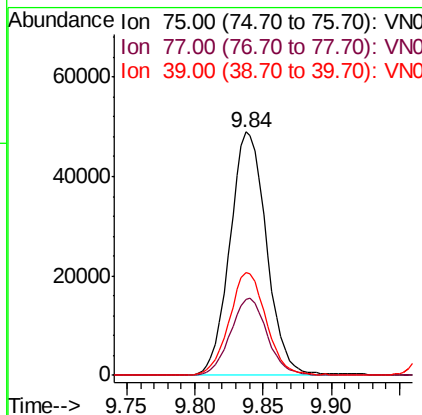
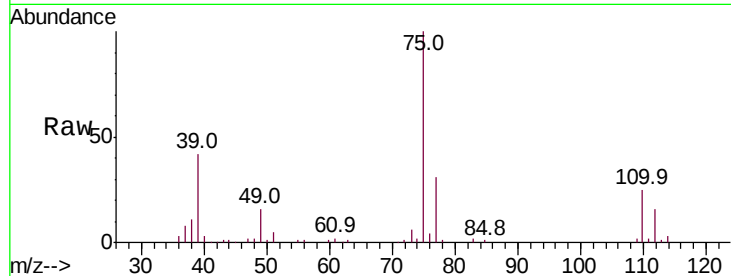
cis-1,3-Dichloropropene
 Concen: 18.755 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	42.0	34.3	51.5

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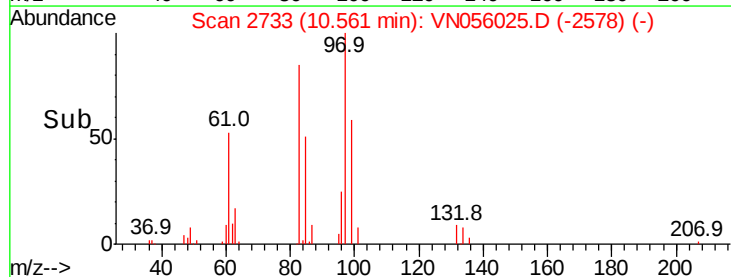
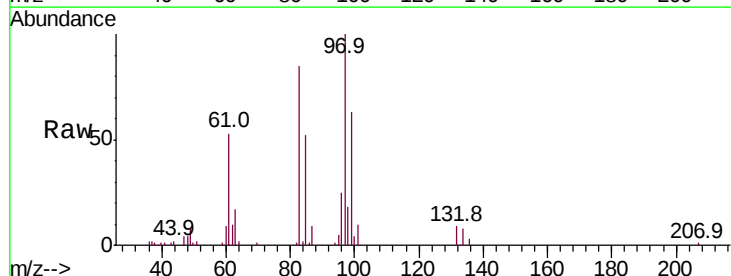
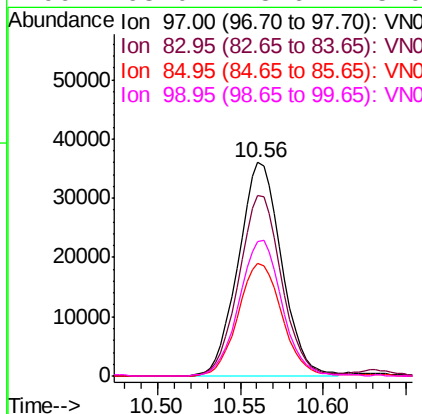
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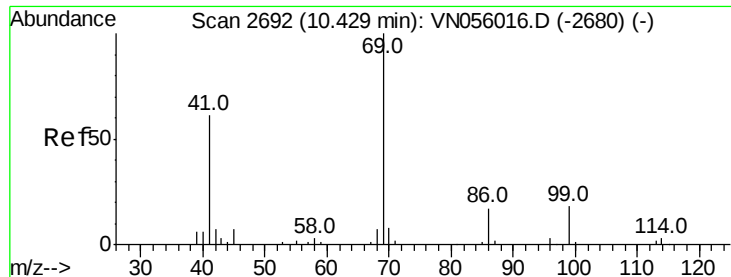


#50

1,1,2-Trichloroethane
 Concen: 19.909 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	66.9	100.3
85	52.5	43.3	64.9
99	63.0	48.6	73.0





#51

Ethyl methacrylate

Concen: 19.174 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

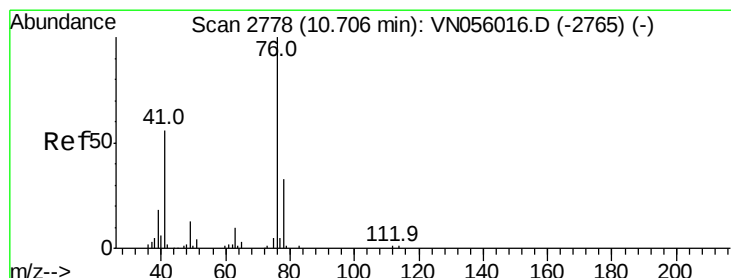
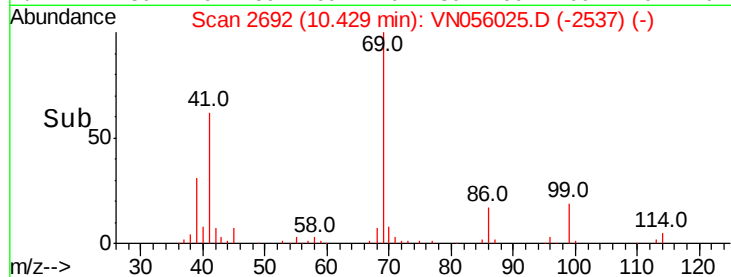
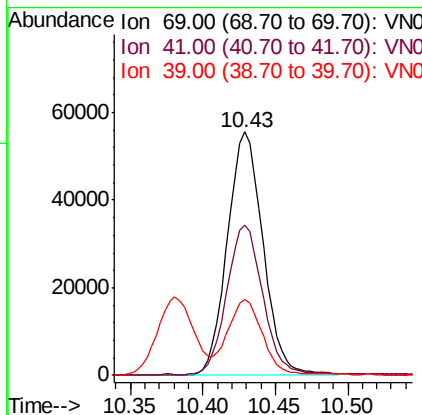
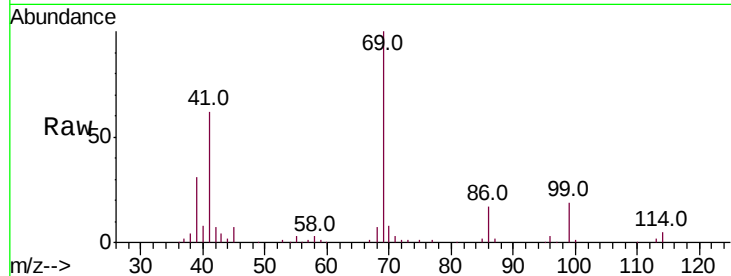
ClientSampled :

VN0606WBS01

Tot Ion:	69	Resp:	95094
Ion Ratio	Lower	Upper	
69	100		
41	61.4	30.8	92.3
39	30.6	14.5	43.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.000 ug/l

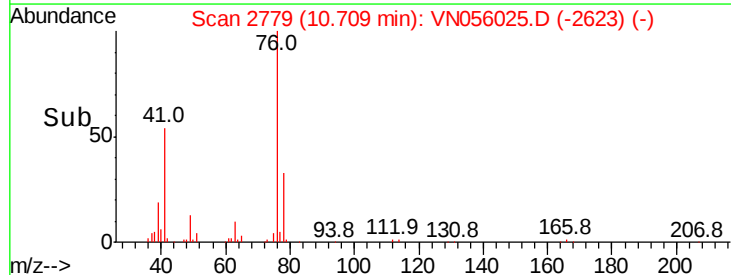
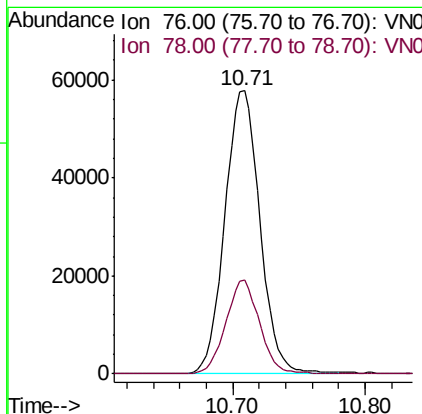
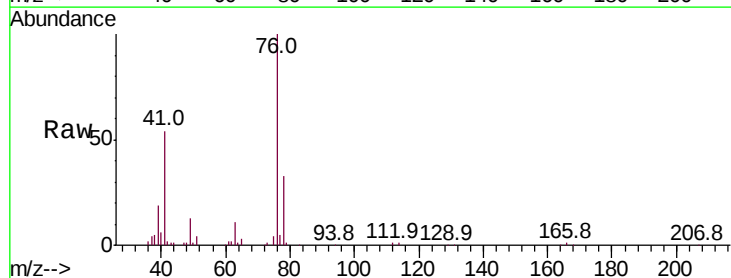
RT: 10.71 min Scan# 2779

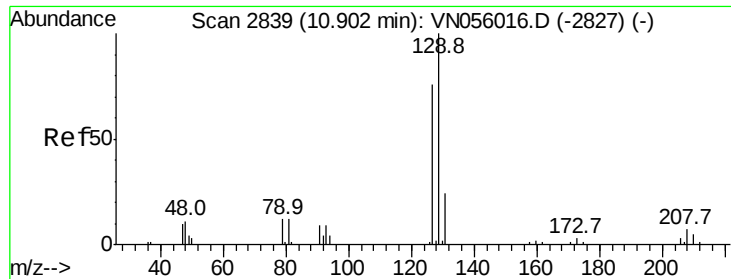
Delta R.T. 0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Tgt Ion:	76	Resp:	106293
Ion Ratio	Lower	Upper	
76	100		
78	32.0	0.0	63.4





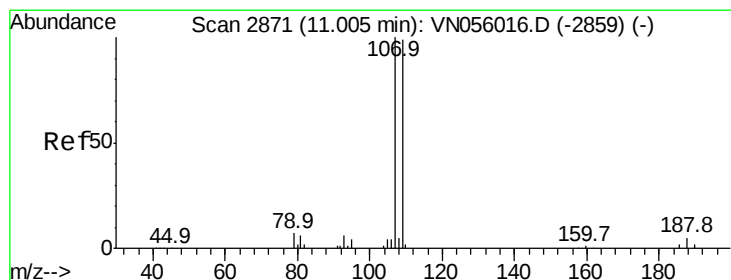
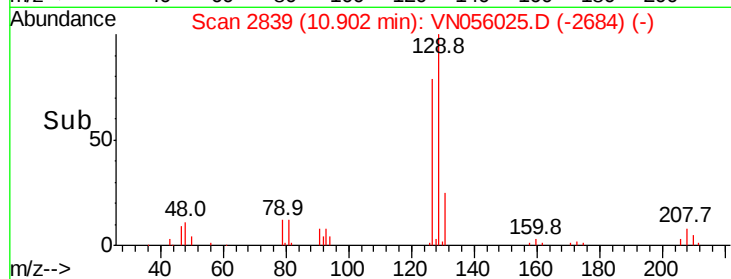
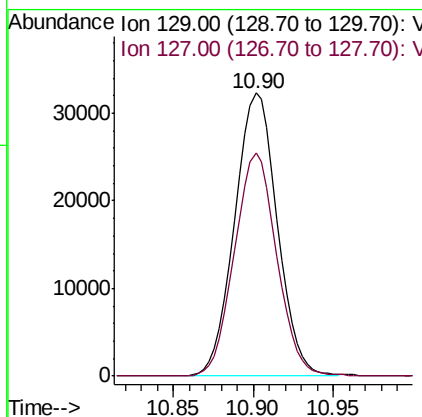
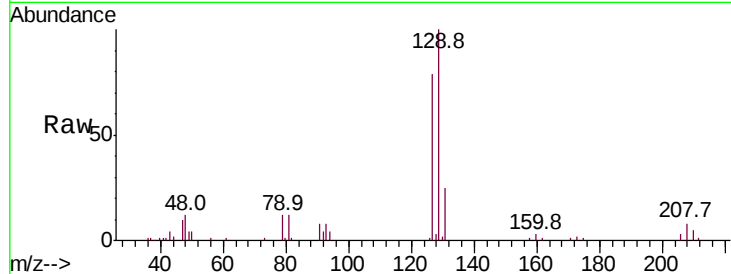
#53
Dibromochloromethane
Concen: 18.301 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

Tot Ion:129 Resp: 58731
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.5

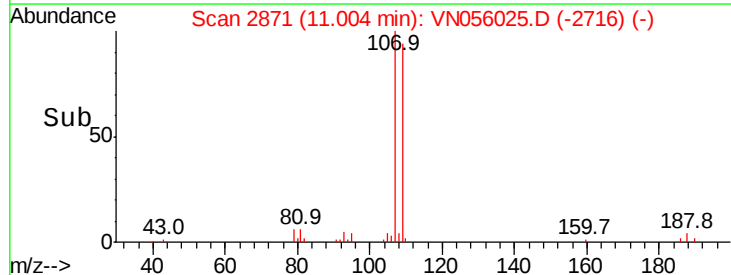
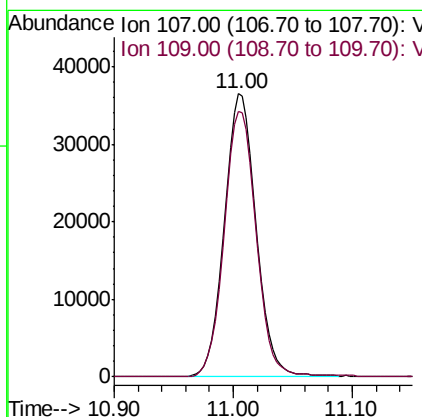
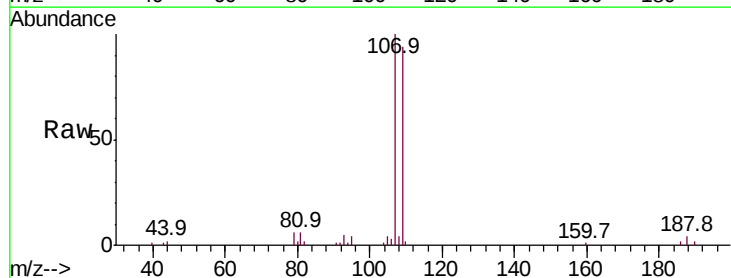
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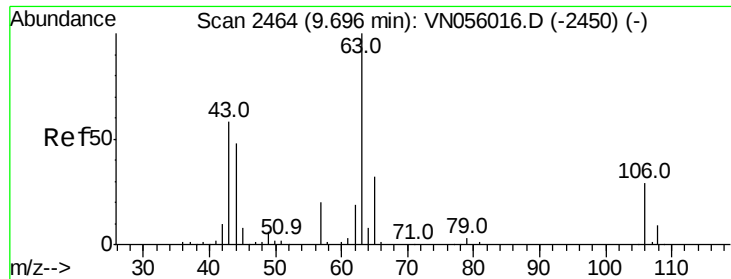
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#54
1,2-Dibromoethane
Concen: 19.722 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion:107 Resp: 67465
Ion Ratio Lower Upper
107 100
109 94.5 76.8 115.2





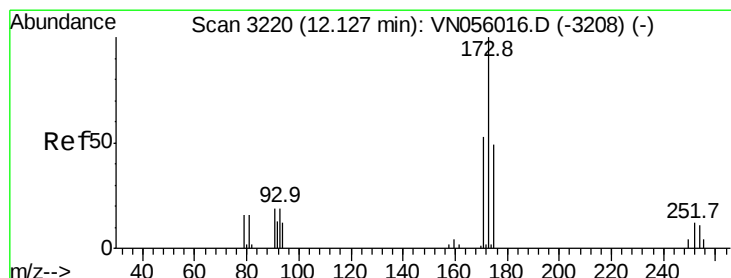
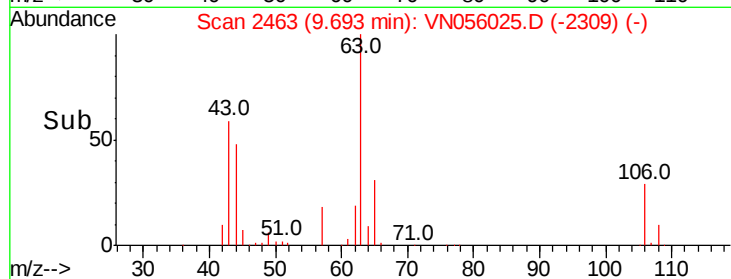
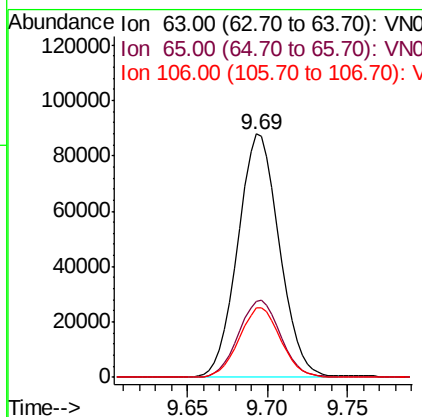
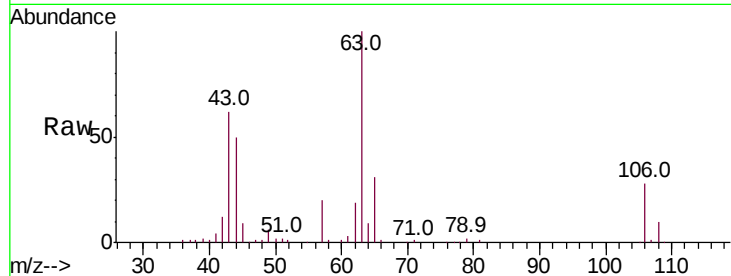
#55
2-Chloroethyl vinyl ether
Concen: 89.992 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	28.7	23.0	34.4

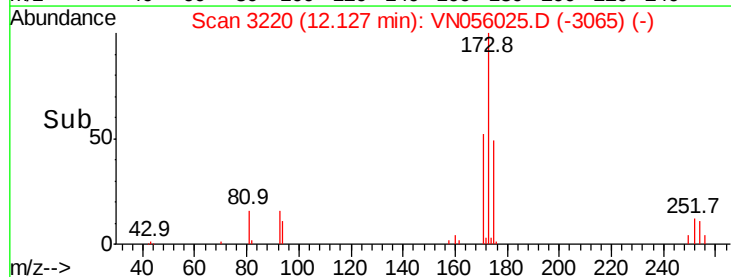
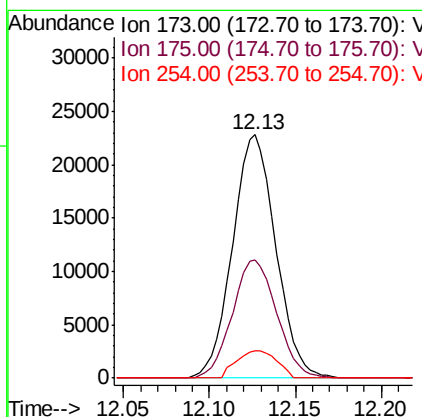
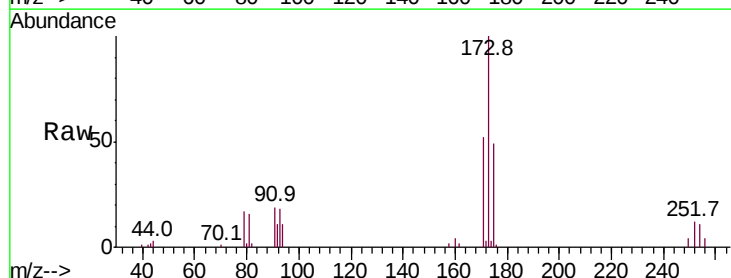
Manual Integrations
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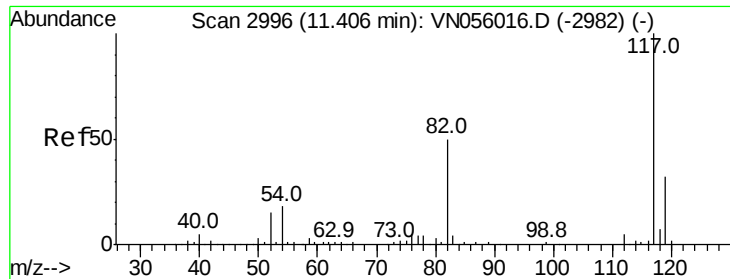
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#56
Bromoform
Concen: 17.151 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.7	58.1
254	10.4	6.6	9.8





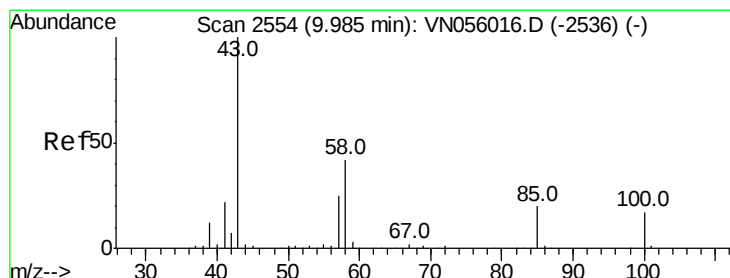
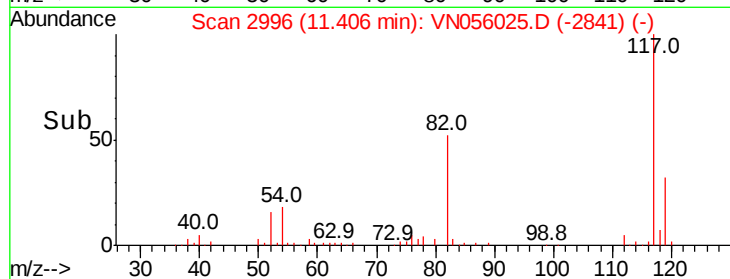
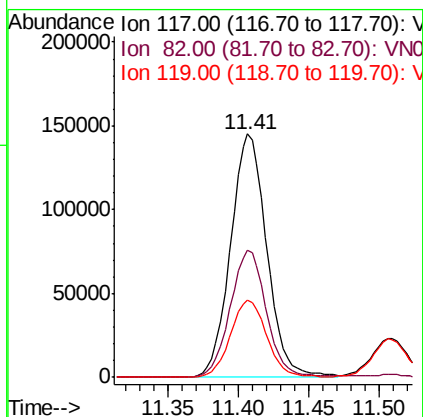
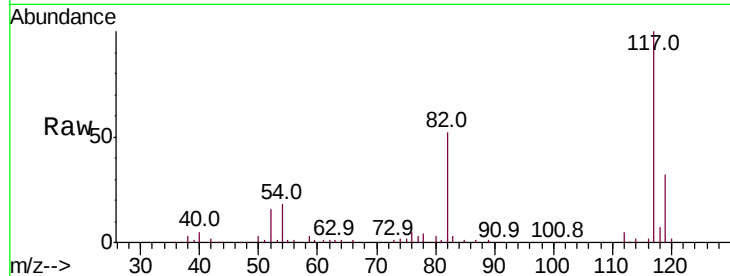
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	261511		
82	52.2	41.2	61.8	
119	31.8	26.2	39.2	

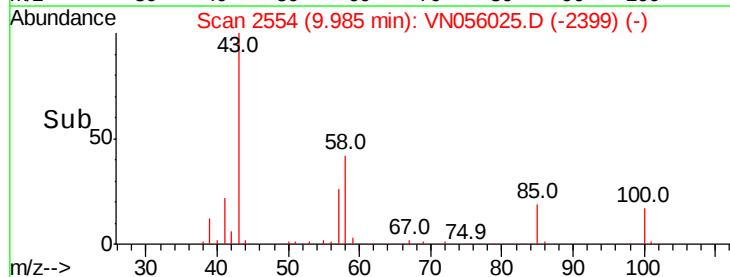
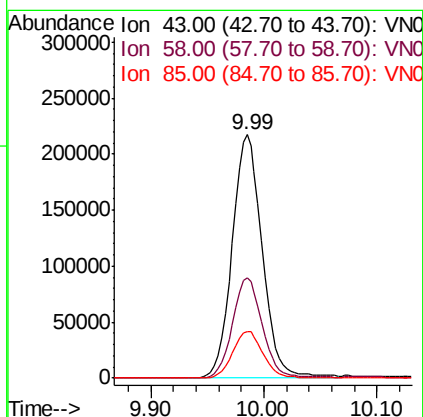
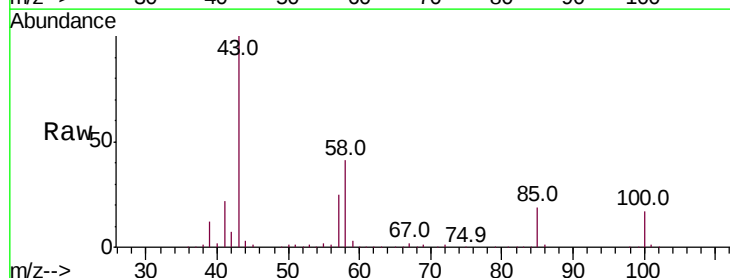
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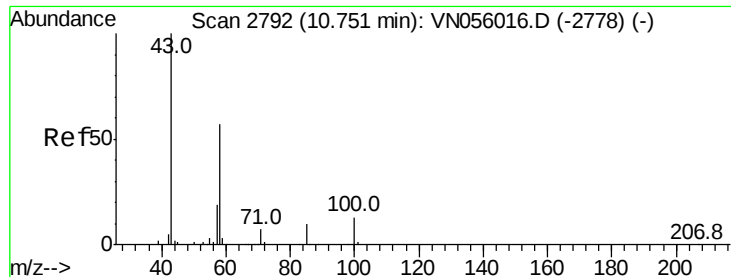
MMDadoda
6/6/2019 9:04:37 AM



#58
4-Methyl-2-Pentanone
Concen: 101.041 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	400115		
58	41.0	33.1	49.7	
85	19.4	15.5	23.3	





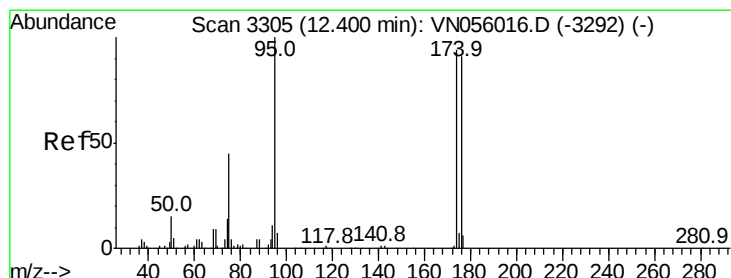
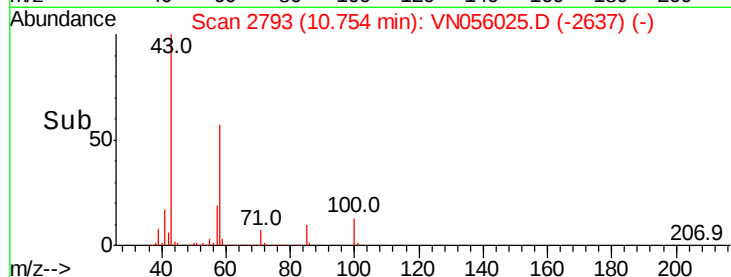
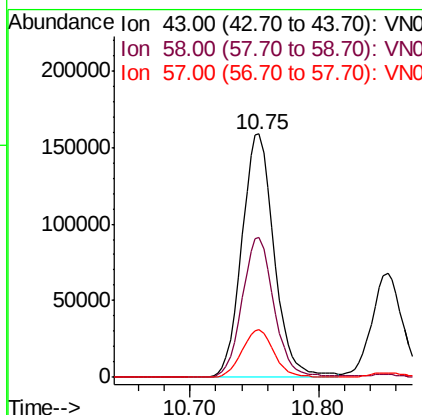
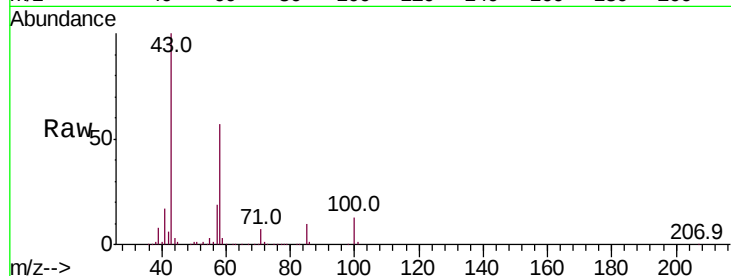
#59
2-Hexanone
Concen: 97.348 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.2	45.3	67.9
57	19.4	15.6	23.4

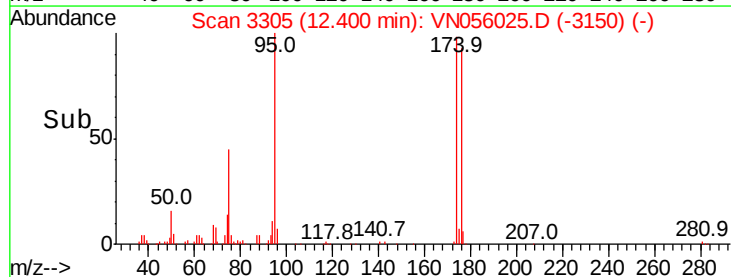
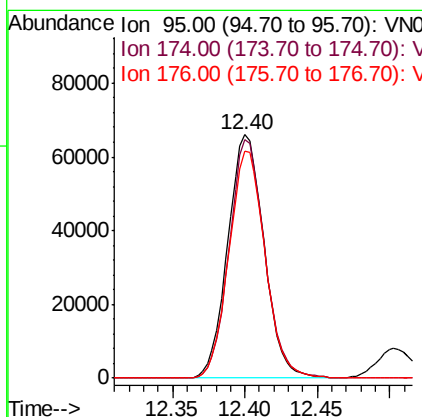
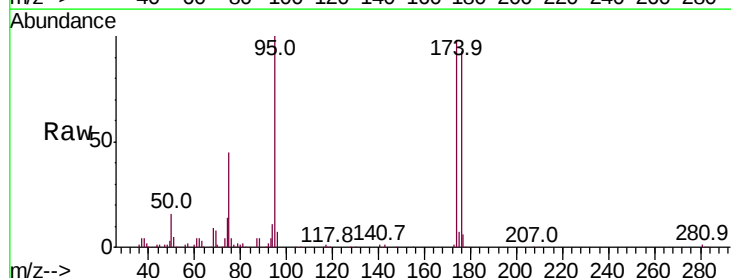
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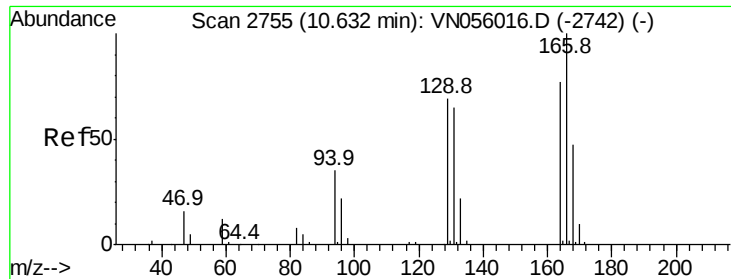
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.503 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.0	75.4	113.0
176	93.1	73.9	110.9





#61

Tetrachloroethene

Concen: 20.704 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBS01

Tot Ion:164 Resp: 75460

Ion Ratio Lower Upper

164 100

166 125.7 104.3 156.5

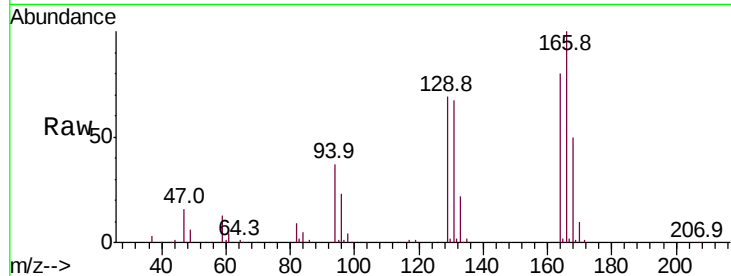
129 87.3 71.5 107.3

131 84.5 67.7 101.5

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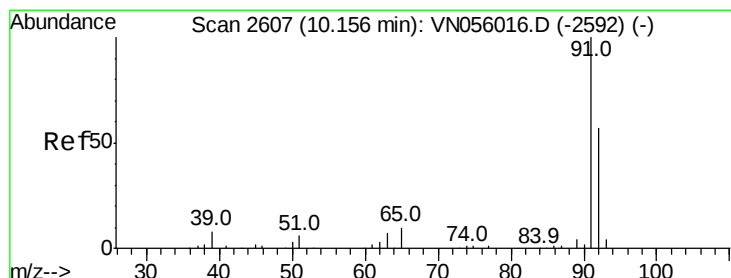
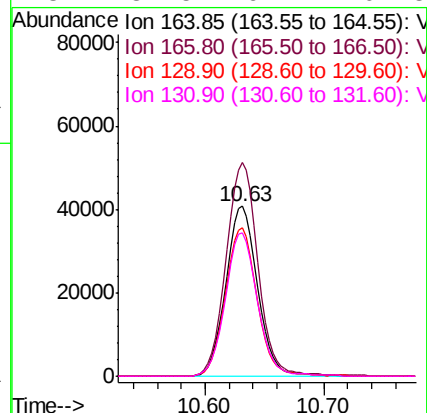
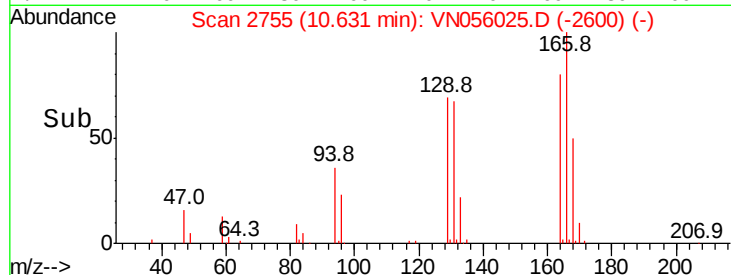


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.118 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056025.D

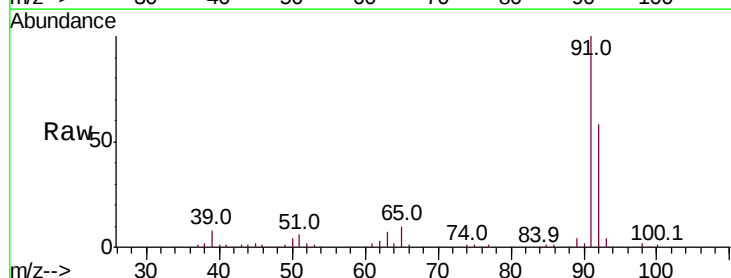
Acq: 5 Jun 2019 23:53

Tgt Ion: 91 Resp: 284010

Ion Ratio Lower Upper

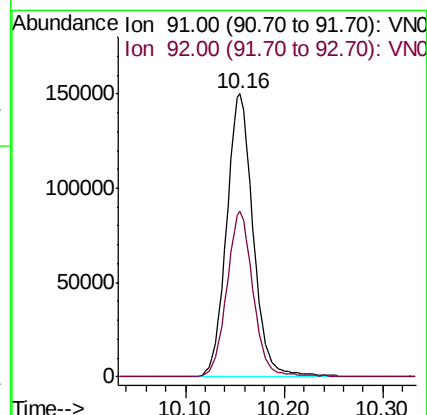
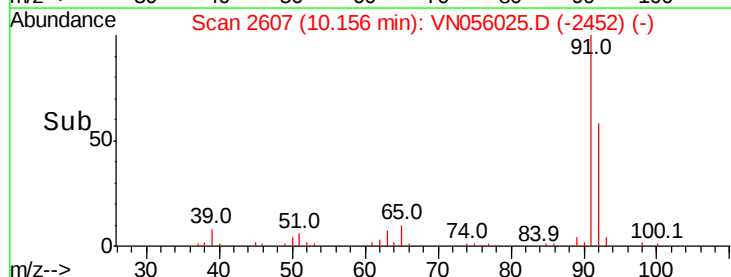
91 100

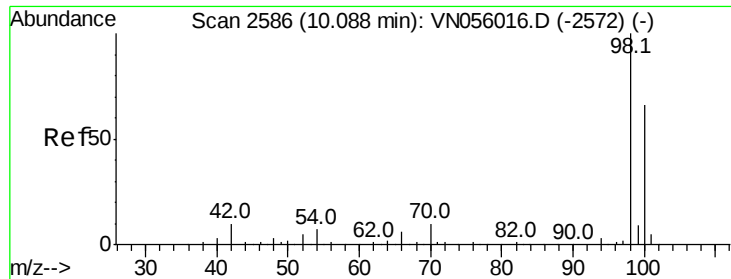
92 57.8 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.894 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

ClientSampled :

VN0606WBS01

Tot Ion: 98 Resp: 366498

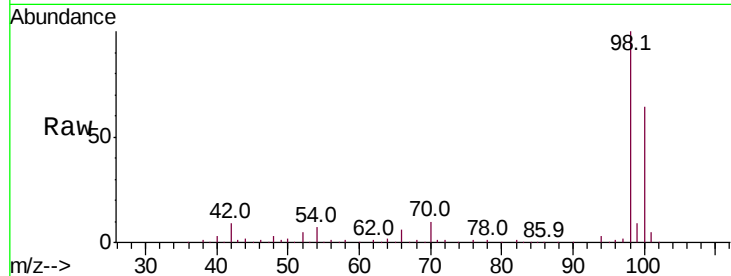
Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.4

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Abundance Ion 98.00 (97.70 to 98.70): VN056016.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056016.D (-2572) (-)

10.09

200000

150000

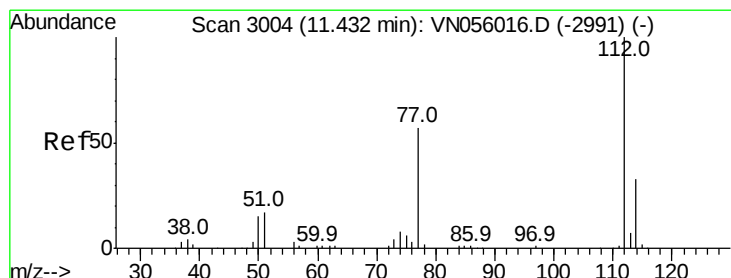
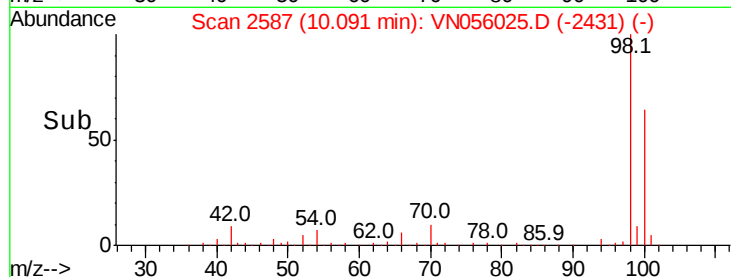
100000

50000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 19.811 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN056025.D

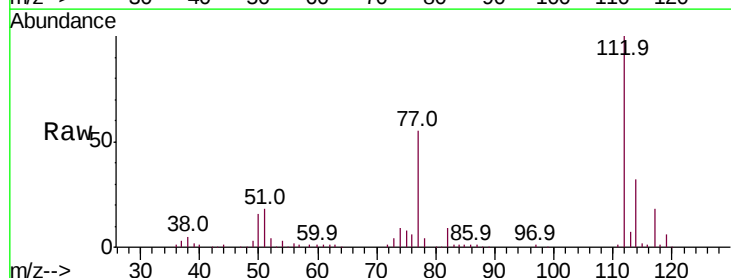
Acq: 5 Jun 2019 23:53

Tgt Ion: 112 Resp: 169645

Ion Ratio Lower Upper

112 100

114 32.2 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056016.D (-2991) (-)

Ion 114.00 (113.70 to 114.70): VN056016.D (-2991) (-)

11.43

100000

80000

60000

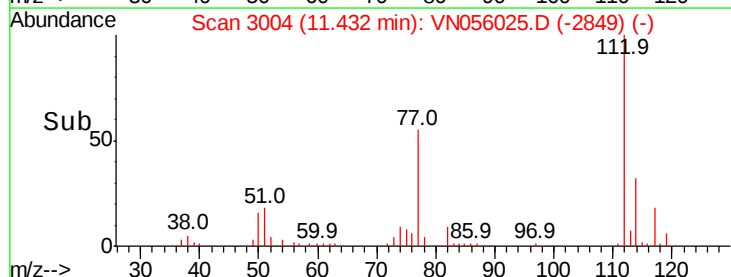
40000

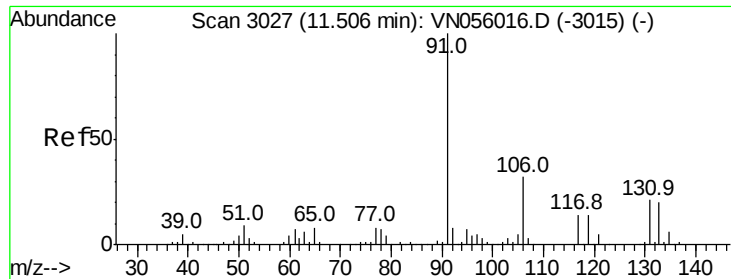
20000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.589 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

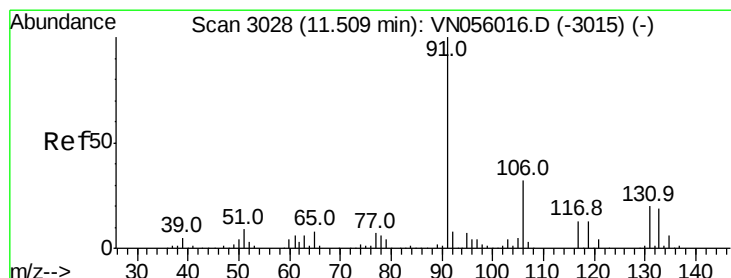
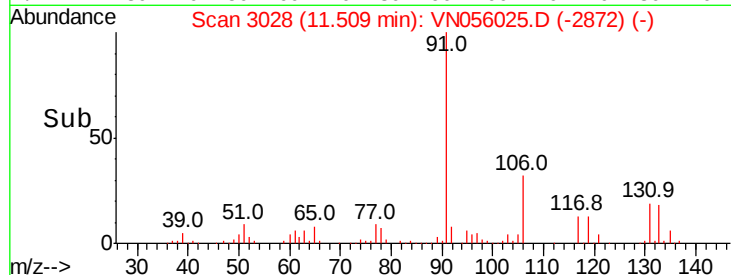
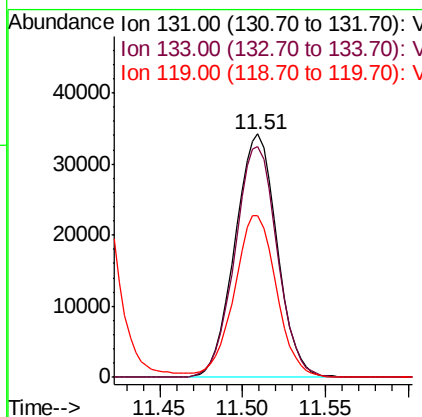
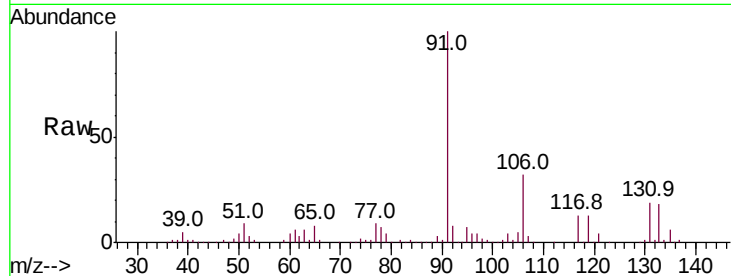
ClientSampleId :

VN0606WBS01

Tot Ion:	131	Resp:	60486
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	193.8
119	66.7	0.0	134.4

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#66

Ethyl Benzene

Concen: 19.953 ug/l

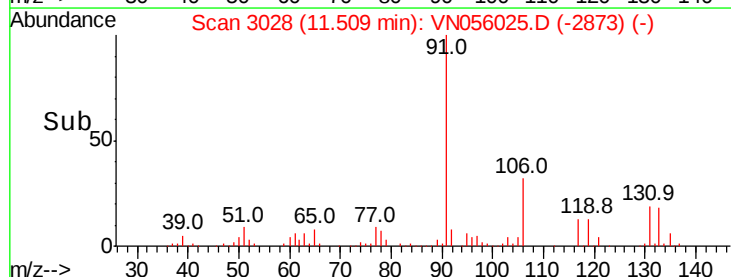
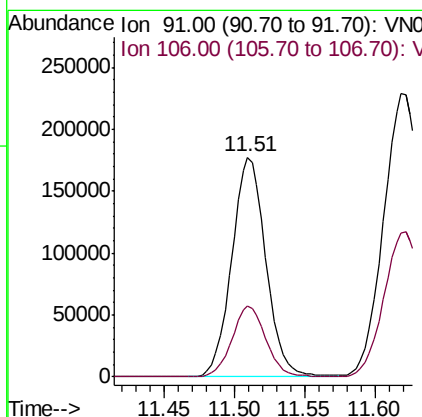
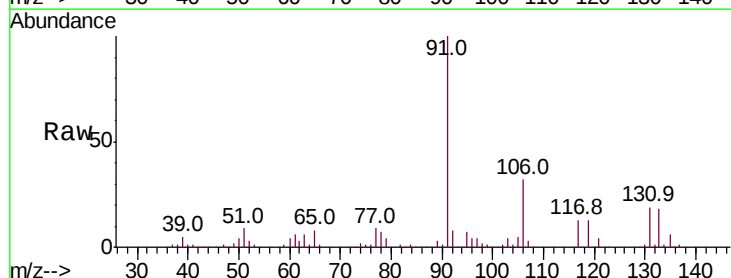
RT: 11.51 min Scan# 3028

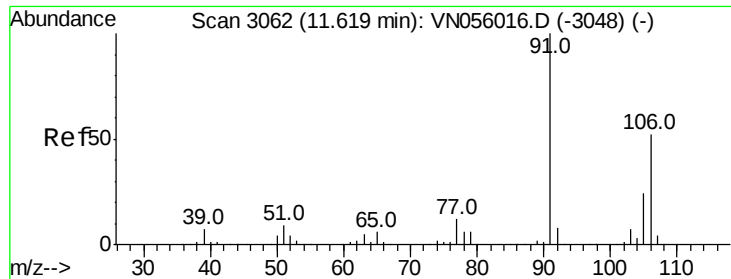
Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Tgt Ion:	91	Resp:	300028
Ion Ratio	Lower	Upper	
91	100		
106	32.3	25.7	38.5





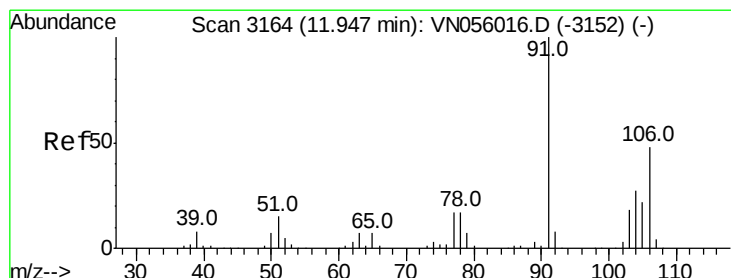
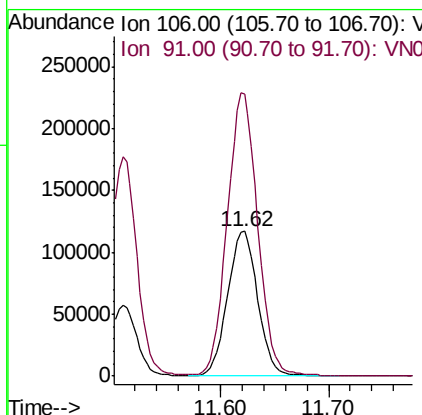
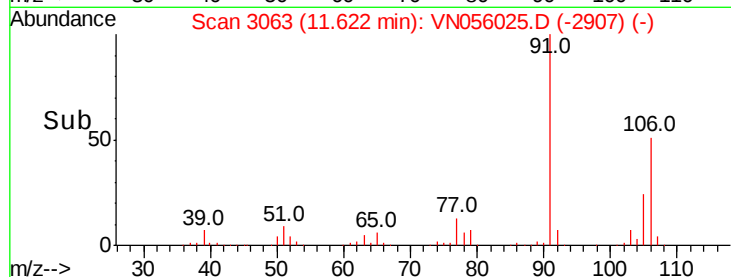
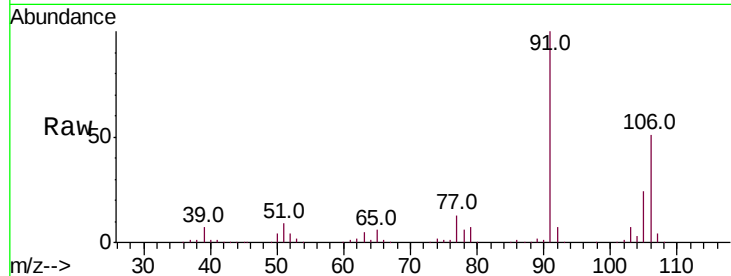
#67
m/p-Xvlenes
Concen: 39.682 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampled :
VN0606WBS01

Tot Ion:106 Resp: 228384
Ion Ratio Lower Upper
106 100
91 196.7 155.7 233.5

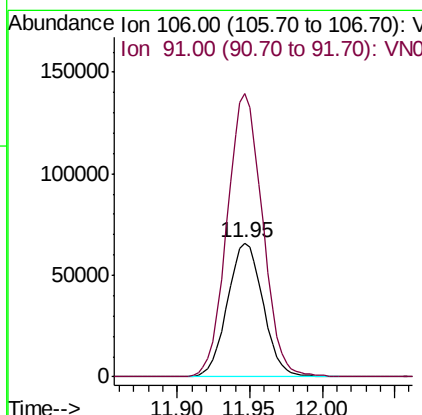
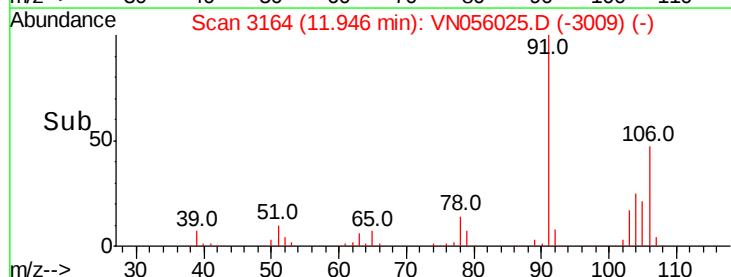
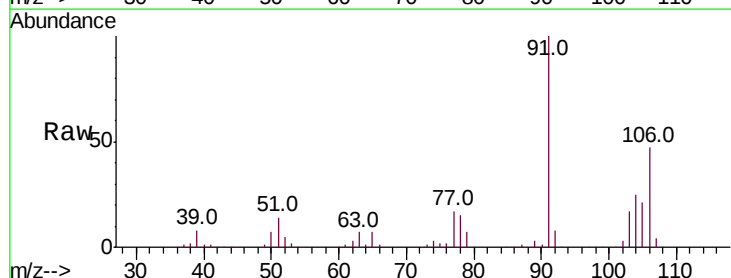
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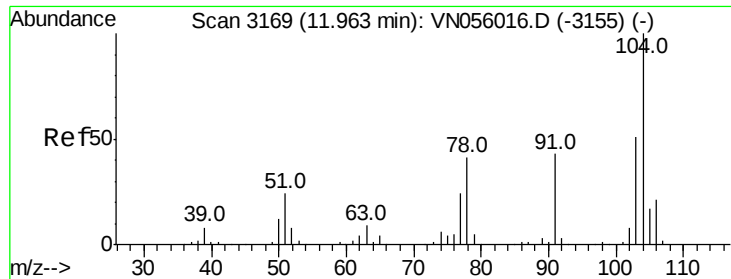
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#68
o-Xylene
Concen: 20.028 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion:106 Resp: 112850
Ion Ratio Lower Upper
106 100
91 210.2 103.9 311.7





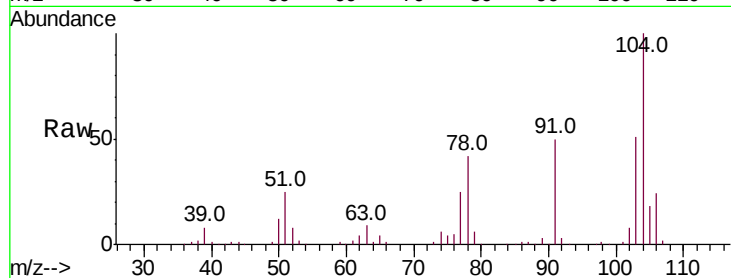
#69
Stvrene
Concen: 19.417 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampled :
VN0606WBS01

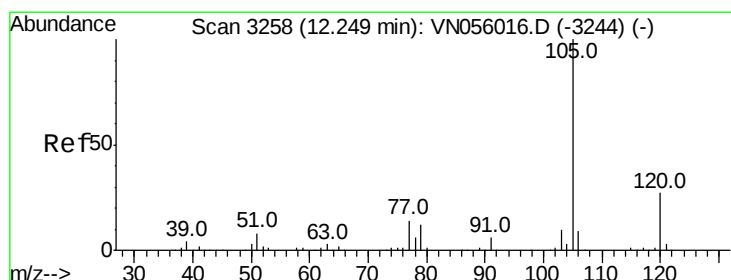
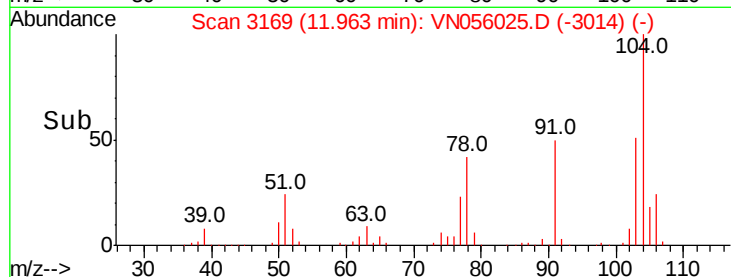
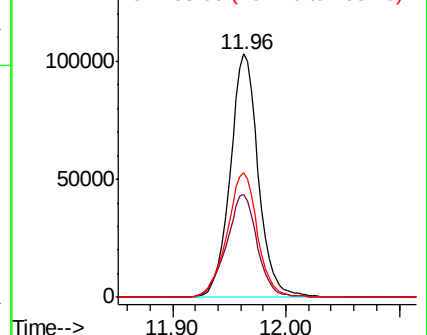
Tot Ion	Ratio	Lower	Upper
104	100		
78	46.5	37.0	55.6
103	55.8	44.4	66.6

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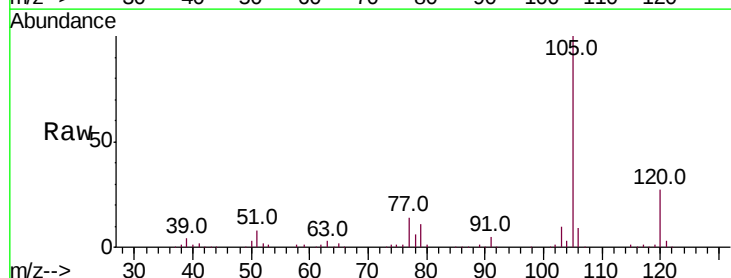


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

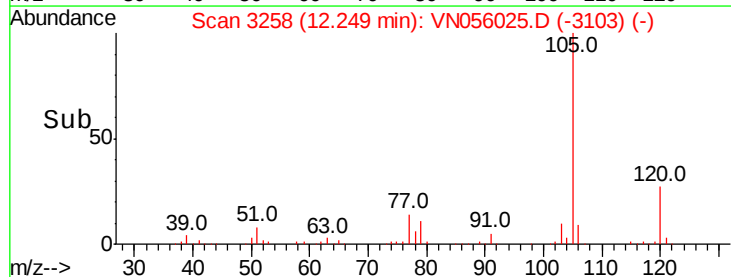
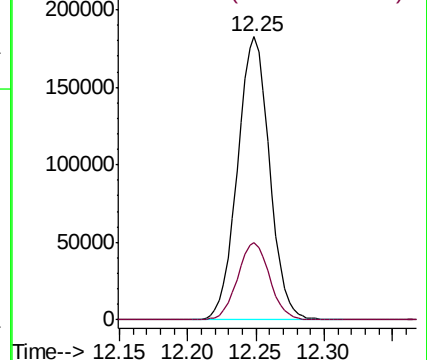


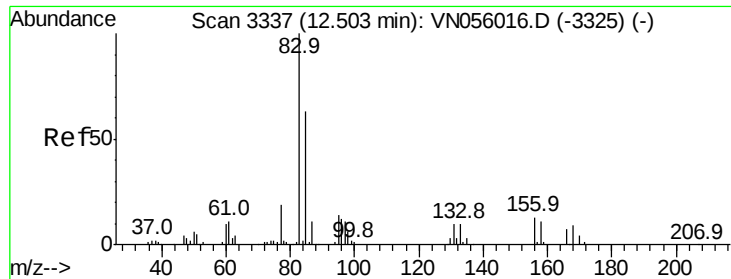
#70
Isopropylbenzene
Concen: 20.242 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	19.3	35.8



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





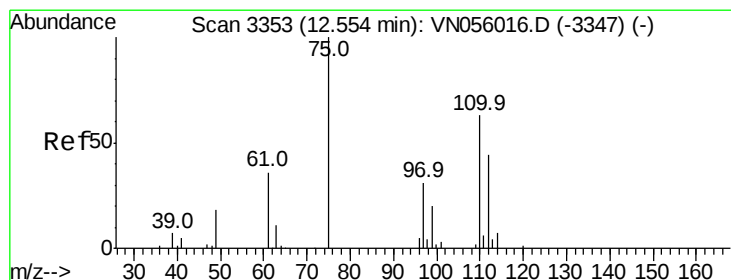
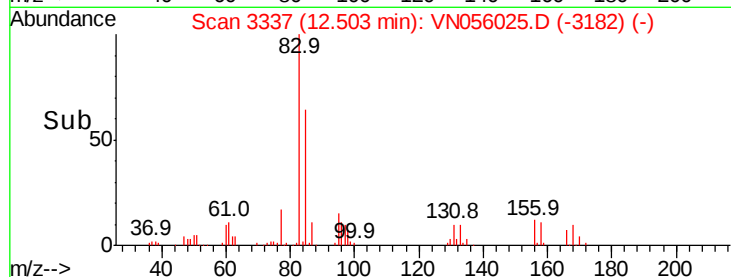
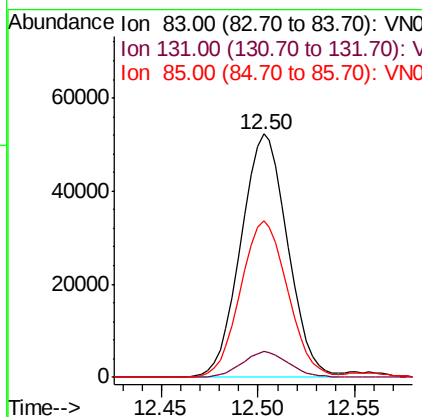
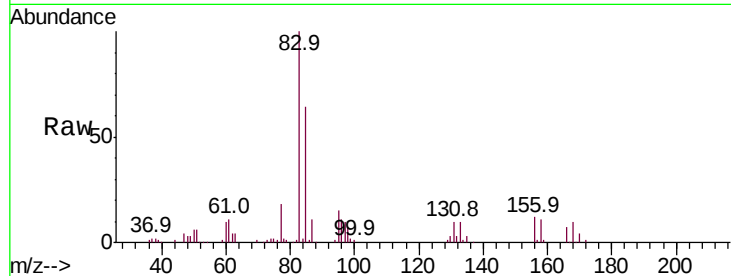
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.858 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBS01

Tot Ion	83	Resp	88137
Ion Ratio	100	Lower	Upper
131	10.5	5.2	15.6
85	64.9	31.6	94.7

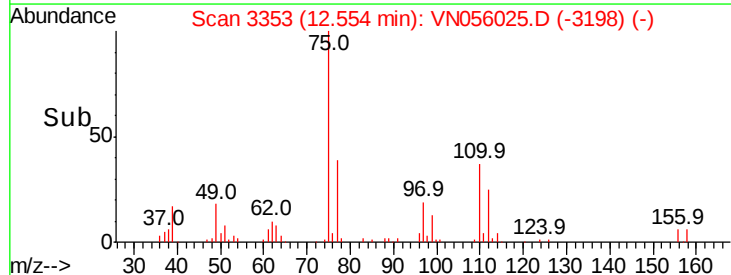
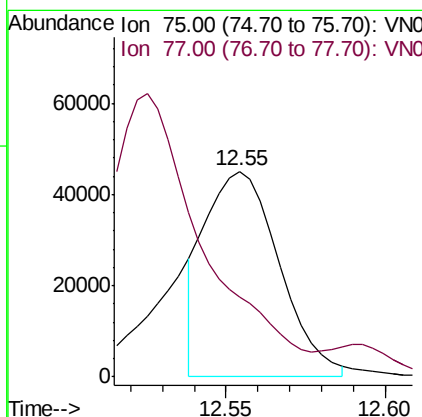
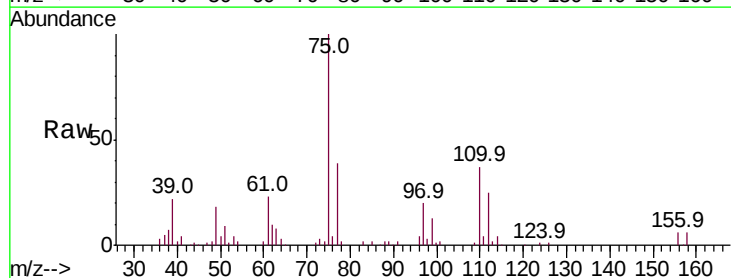
Manual Integrations
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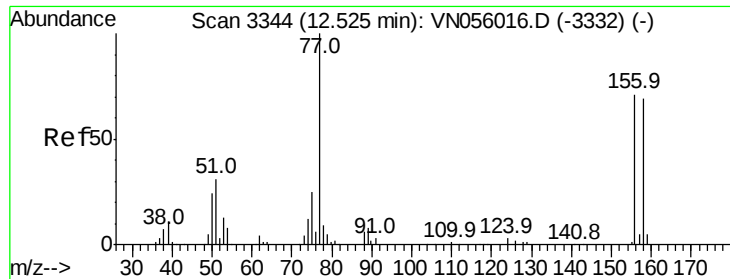
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#72
 1,2,3-Trichloropropane
 Concen: 19.019 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion	75	Resp	73077
Ion Ratio	100	Lower	Upper
77	182.1	0.0	350.0





#73

Bromobenzene

Concen: 19.753 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

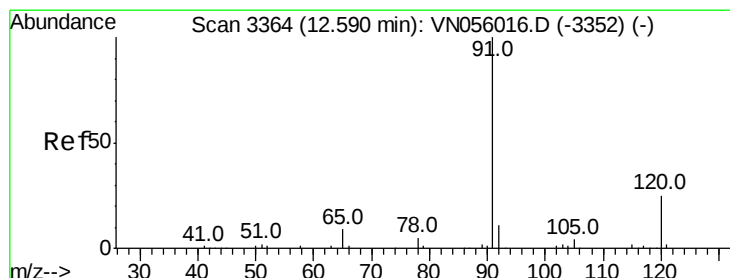
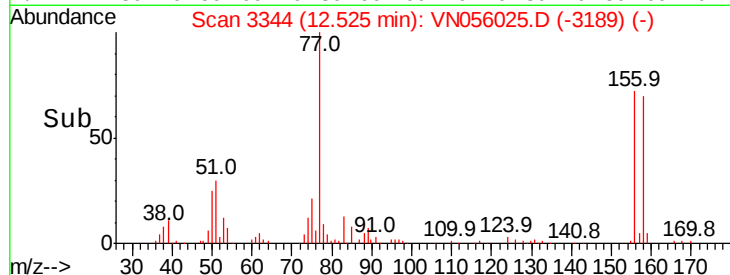
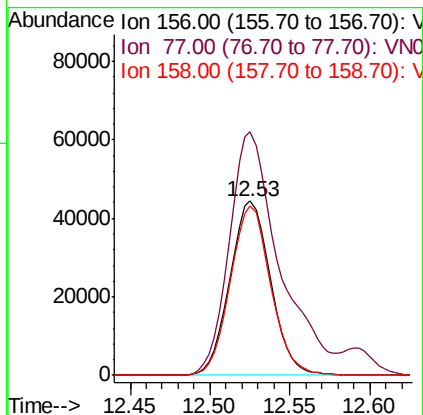
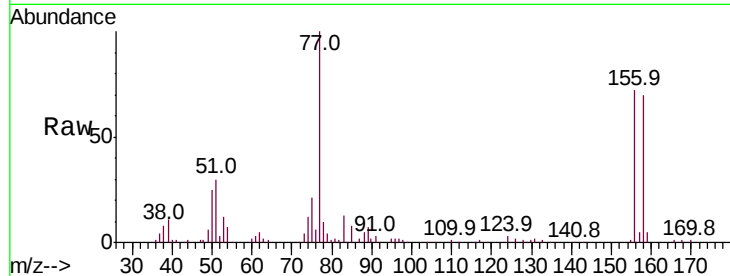
ClientSampled :

VN0606WBS01

Tot Ion:	156	Resp:	77186
Ion Ratio	Lower	Upper	
156	100		
77	172.4	0.0	350.8
158	96.2	0.0	193.2

Manual Integrations
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#74

n-propylbenzene

Concen: 19.587 ug/l

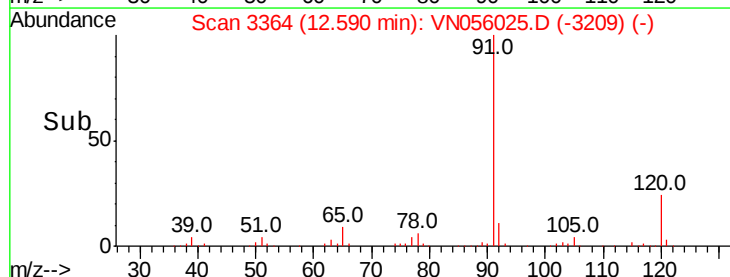
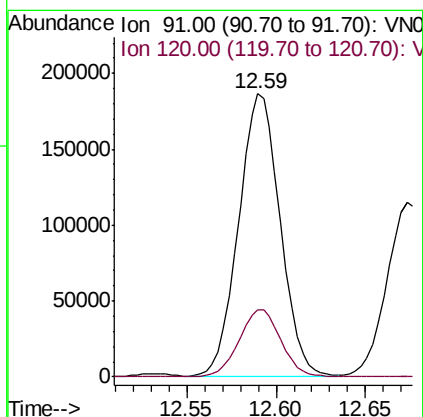
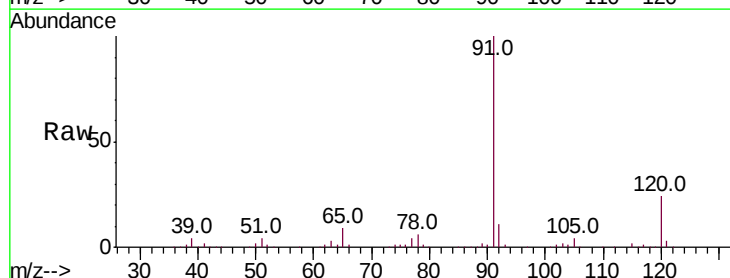
RT: 12.59 min Scan# 3364

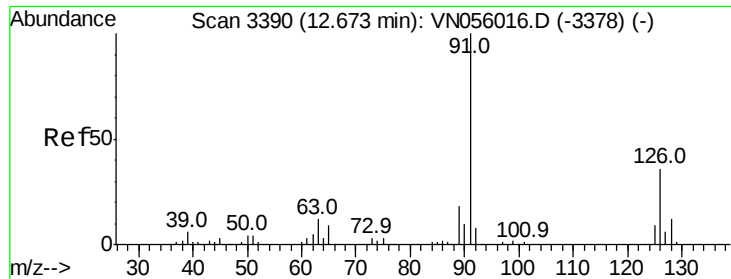
Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Tgt Ion:	91	Resp:	304304
Ion Ratio	Lower	Upper	
91	100		
120	23.8	0.0	48.6





#75

2-Chlorotoluene

Concen: 19.844 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

ClientSampleId :

VN0606WBS01

Tot Ion: 91 Resp: 191221

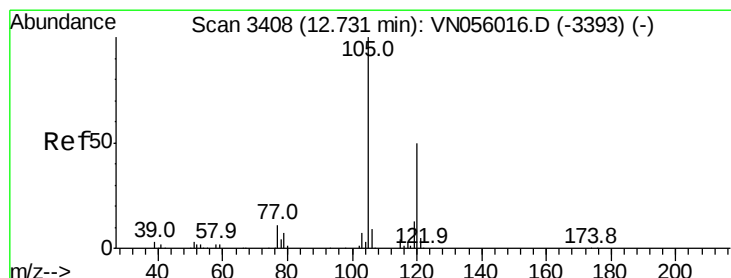
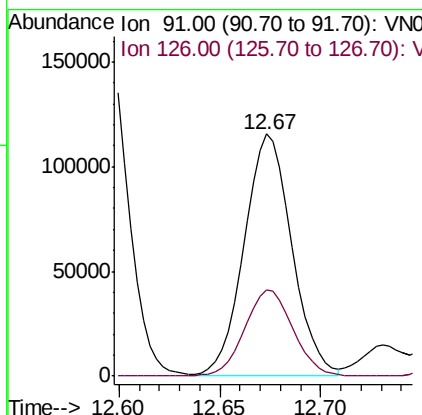
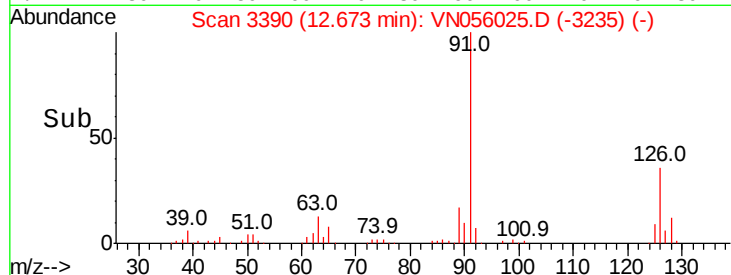
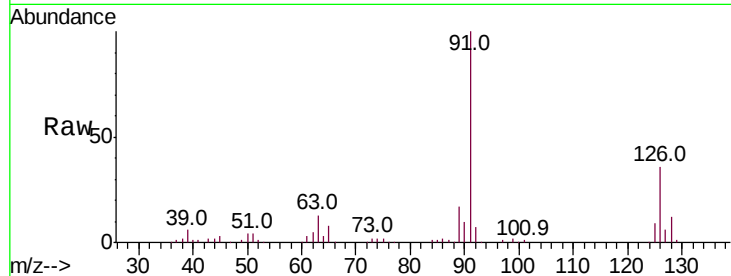
Ion Ratio Lower Upper

91 100

126 36.2 0.0 72.4

Manual Integrations
APPROVED

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#76

1,3,5-Trimethylbenzene

Concen: 19.734 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056025.D

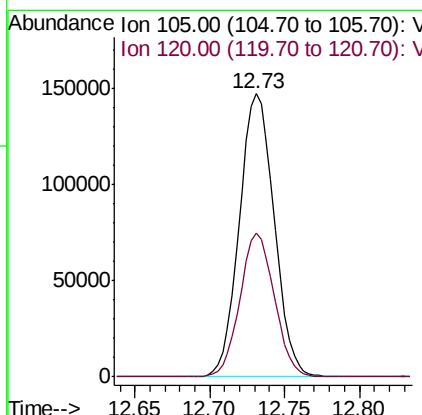
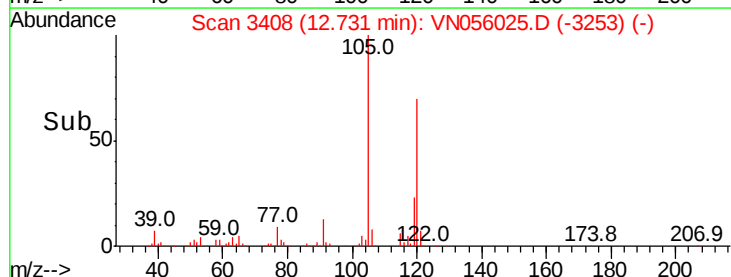
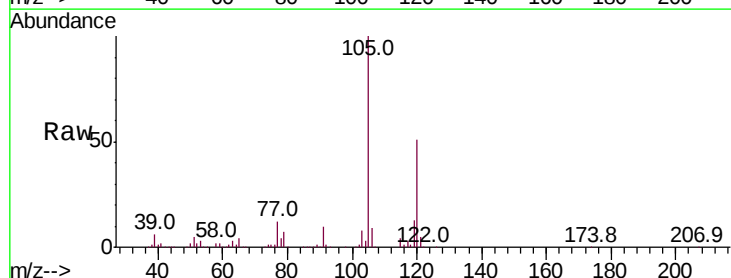
Acq: 5 Jun 2019 23:53

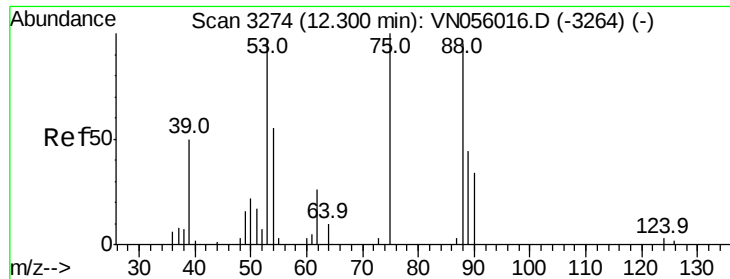
Tgt Ion: 105 Resp: 238970

Ion Ratio Lower Upper

105 100

120 50.1 0.0 100.6





#77

t-1,4-Dichloro-2-butene

Concen: 16.030 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

ClientSampled :

VN0606WBS01

Tot Ion: 75 Resp: 17575

Ion Ratio Lower Upper

75 100

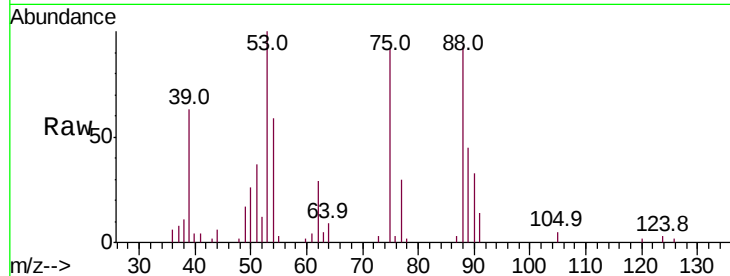
53 106.9 48.0 144.0

89 49.2 22.5 67.5

Manual Integrations
APPROVED

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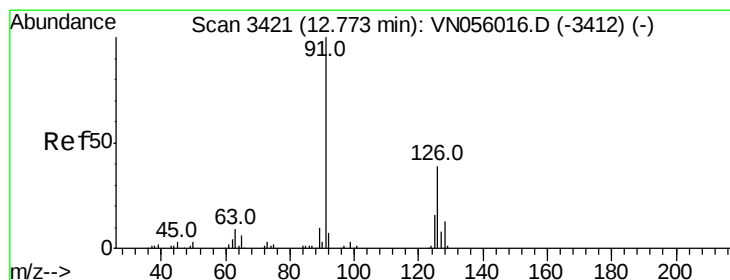
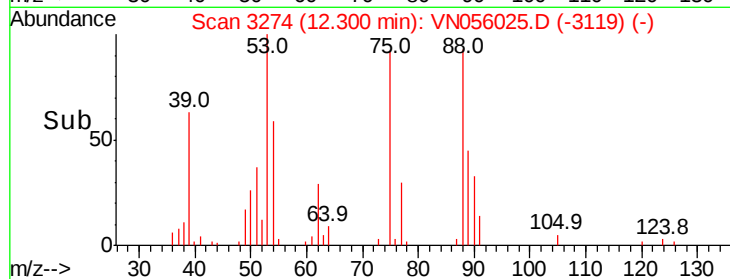
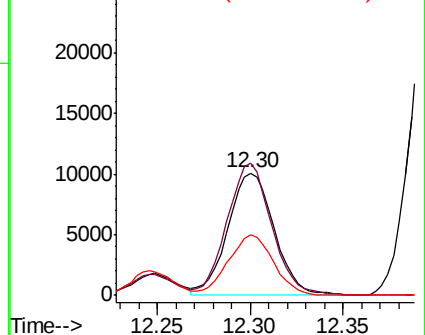
6/6/2019 9:04:37 AM



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.137 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN056025.D

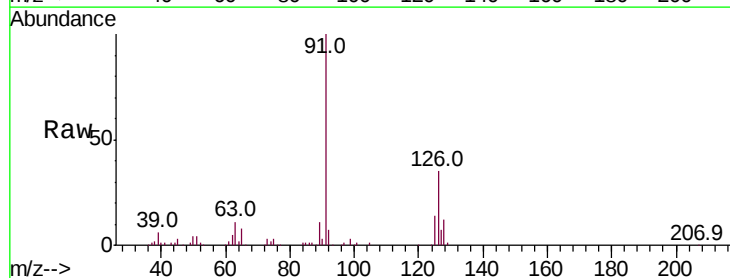
Acq: 5 Jun 2019 23:53

Tgt Ion: 91 Resp: 172220

Ion Ratio Lower Upper

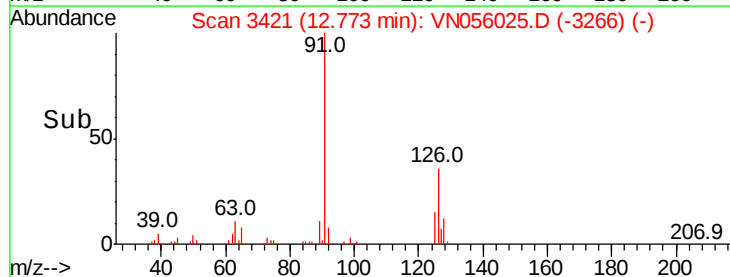
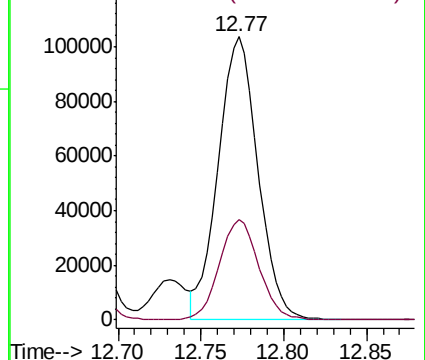
91 100

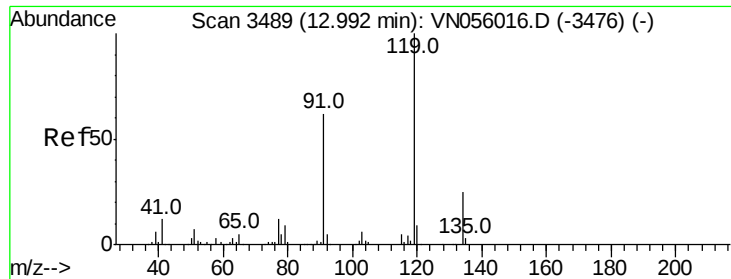
126 35.3 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





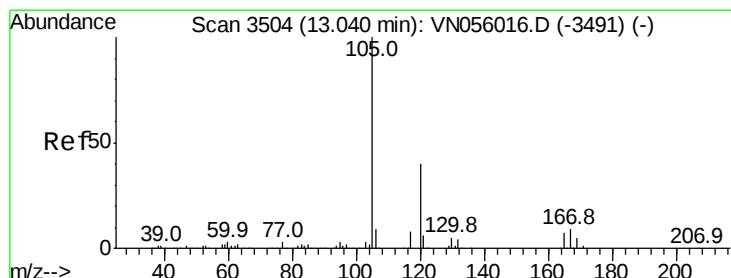
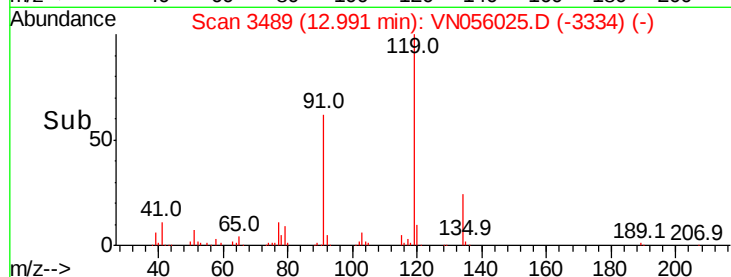
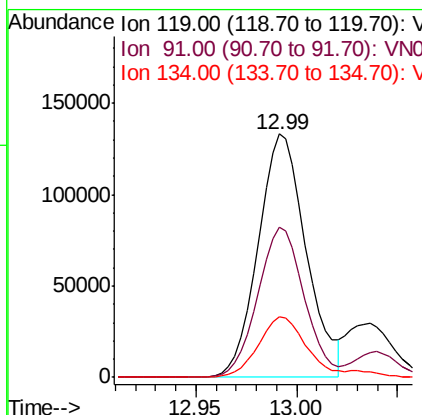
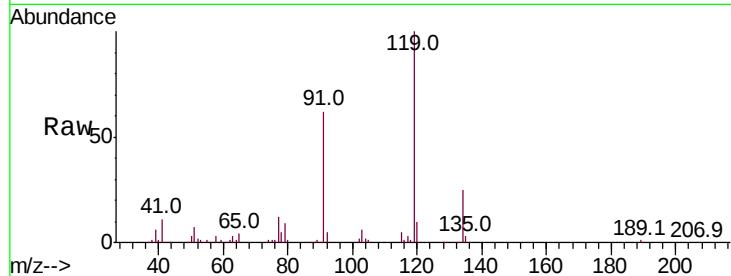
#79
tert-butylbenzene
Concen: 20.614 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampled :
VN0606WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	221159		
91	59.6	0.0	122.8	
134	24.6	0.0	50.2	

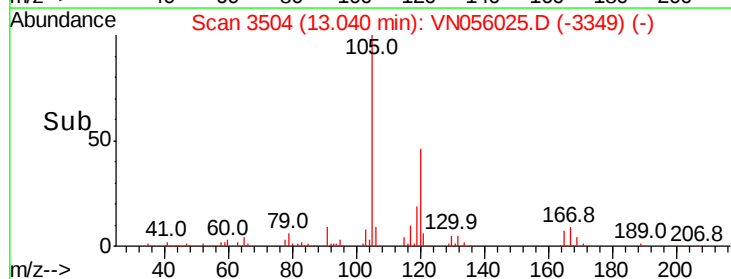
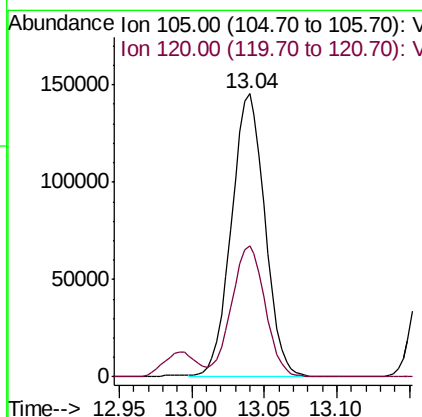
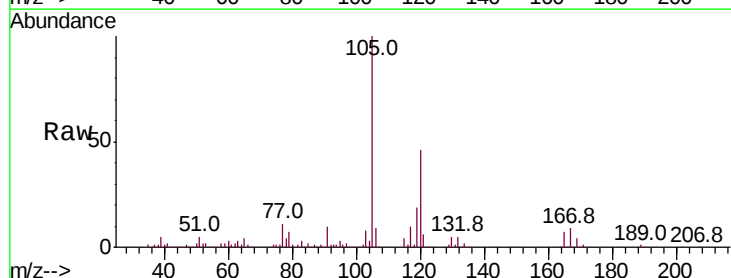
Manual Integrations
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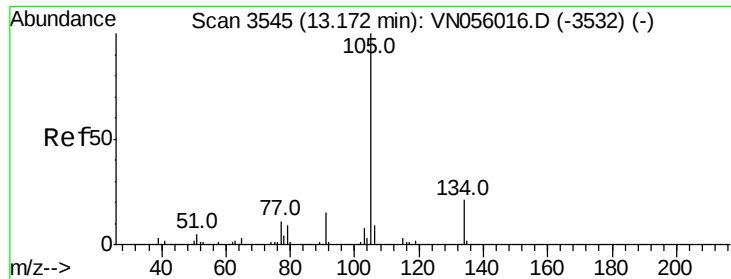
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.821 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233482		
120	46.2	0.0	93.4	





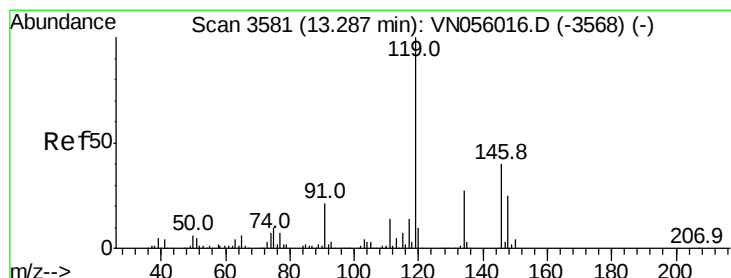
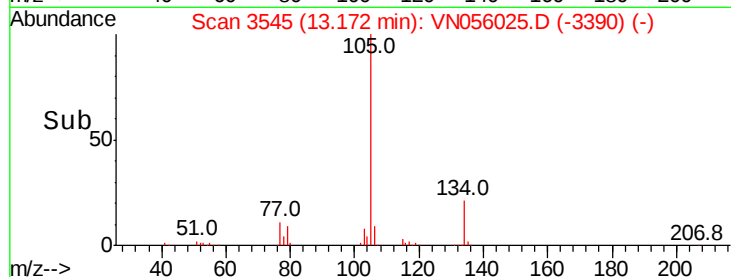
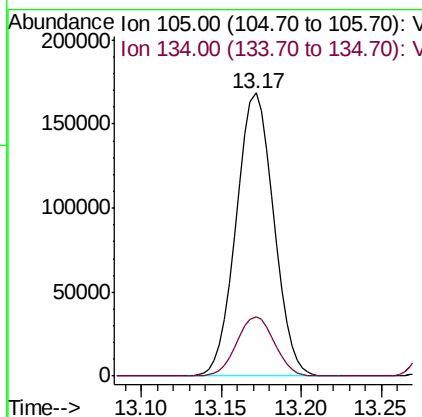
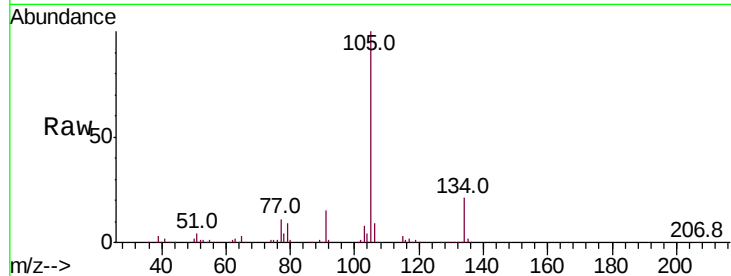
#81
 sec-Butylbenzene
 Concen: 19.783 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	268487		
134	21.2	0.0	41.8	

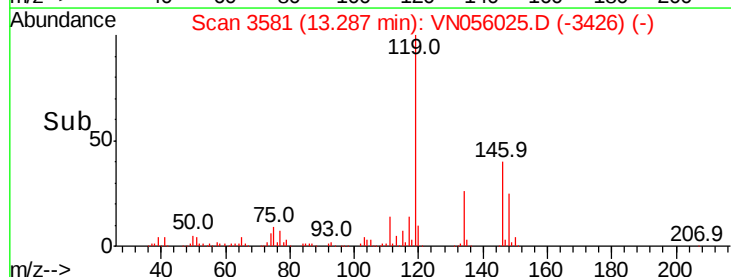
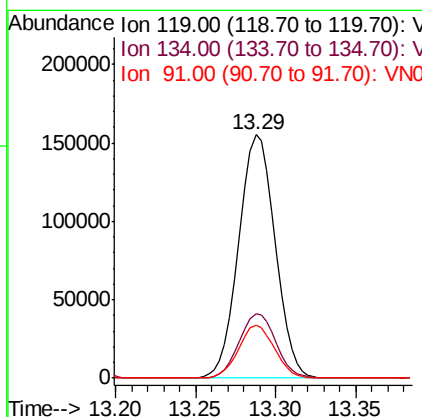
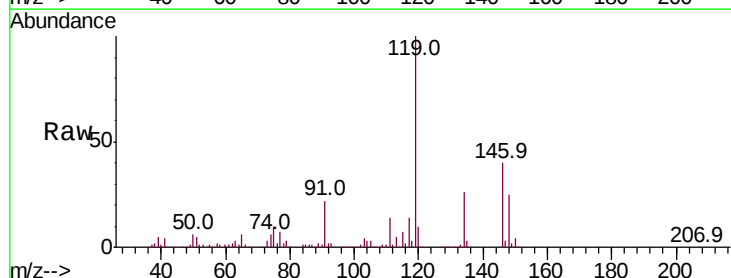
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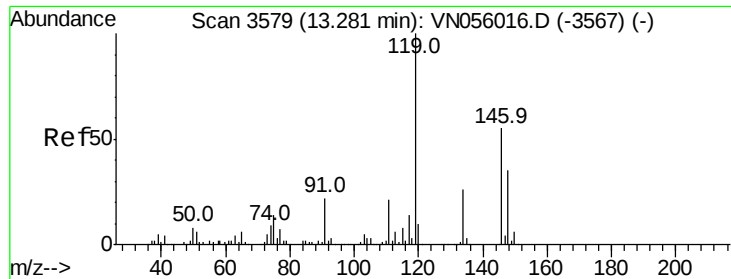
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#82
 p-Isopropyltoluene
 Concen: 19.618 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	240720		
134	26.4	0.0	53.4	
91	21.4	0.0	43.0	





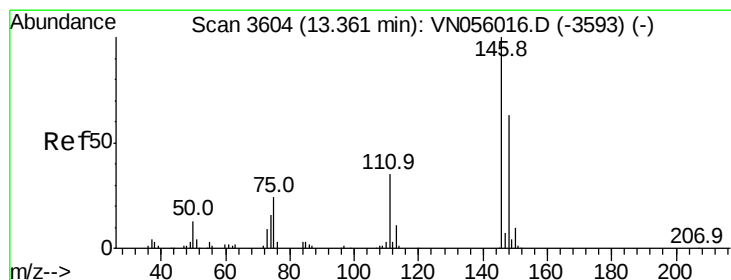
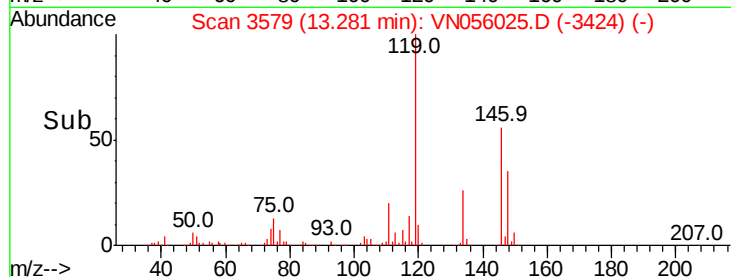
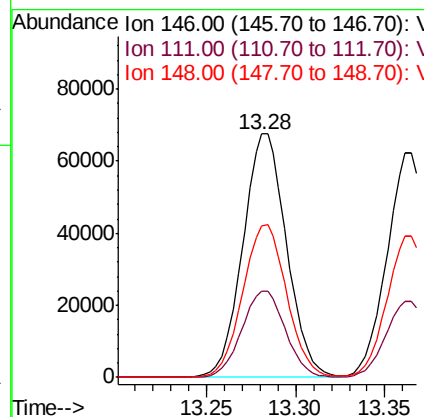
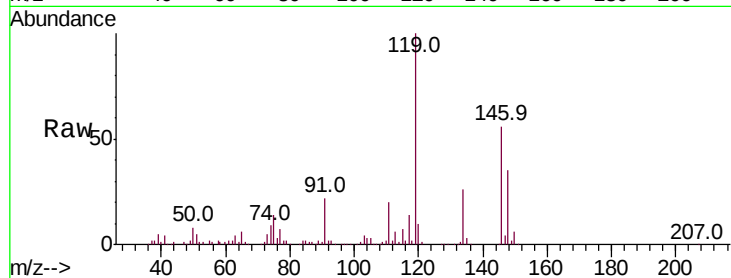
#83
1,3-Dichlorobenzene
Concen: 19.012 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampled :
VN0606WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.2	54.6
148	63.2	31.9	95.9

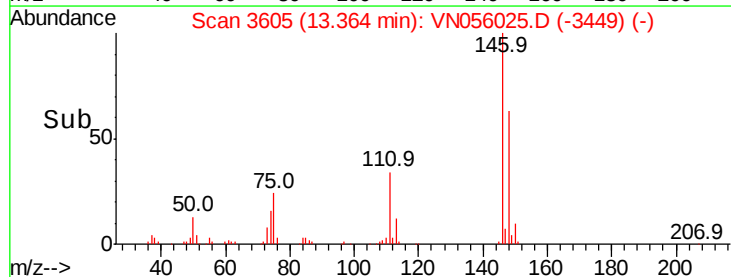
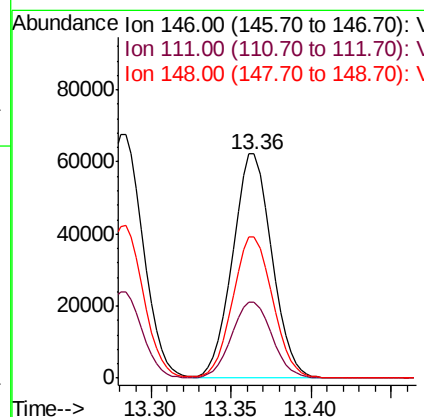
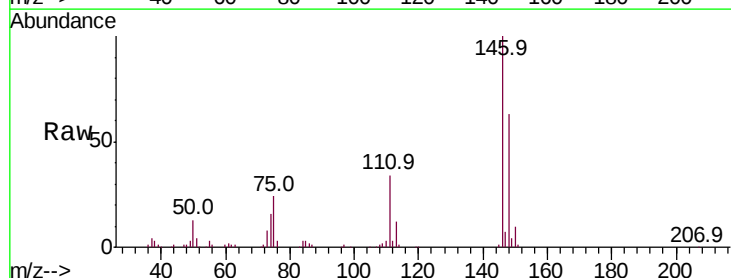
Manual Integrations
APPROVED

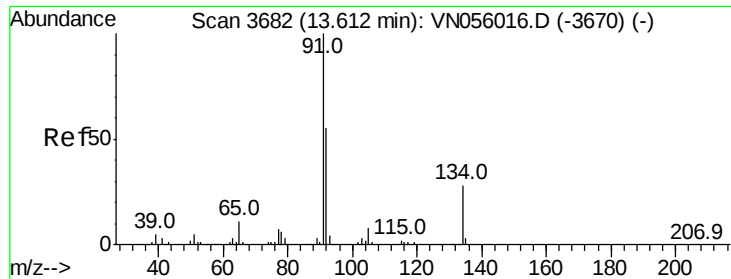
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6/6/2019 9:04:37 AM



#84
1,4-Dichlorobenzene
Concen: 17.991 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	17.6	52.9
148	64.2	32.1	96.3





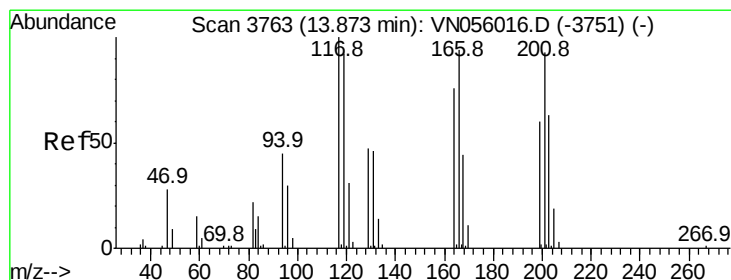
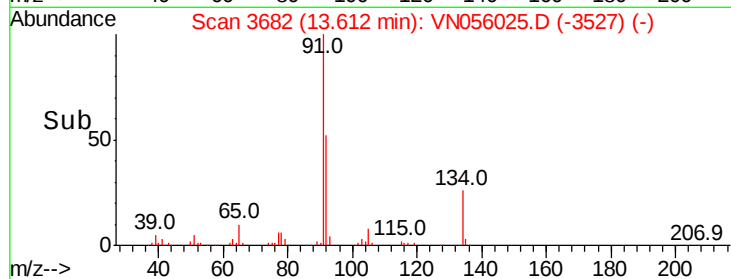
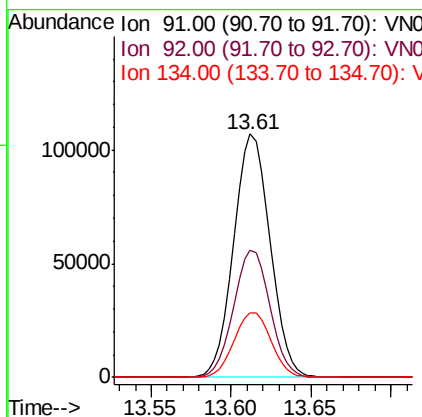
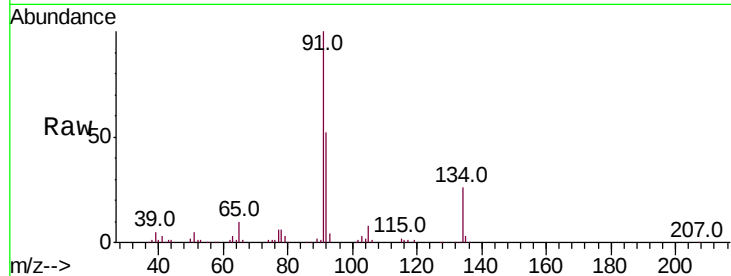
#85
n-Butylbenzene
Concen: 18.103 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampled :
VN0606WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	165789		
92	52.2		0.0	107.2
134	27.0		0.0	55.8

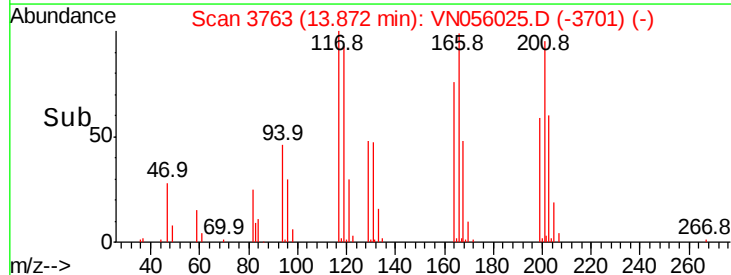
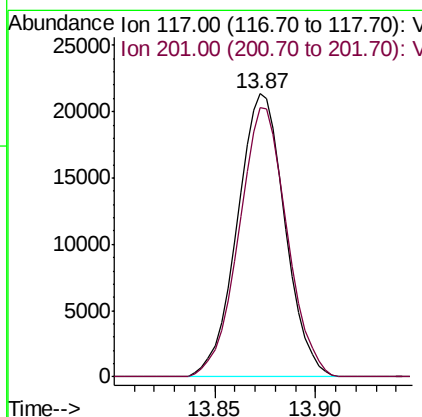
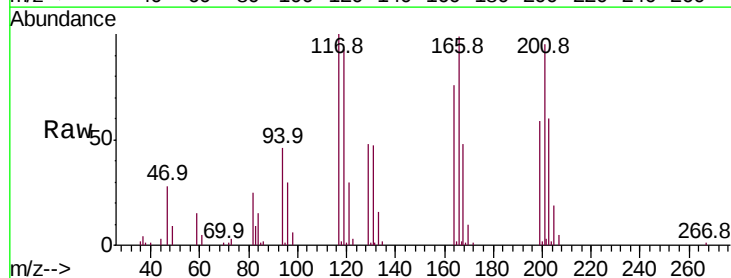
Manual Integrations
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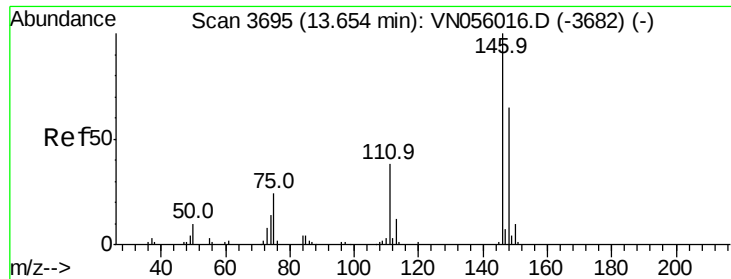
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#86
Hexachloroethane
Concen: 18.471 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35334		
201	95.8		48.1	144.4





#87

1,2-Dichlorobenzene

Concen: 18.810 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Instrument :

MSVOA_N

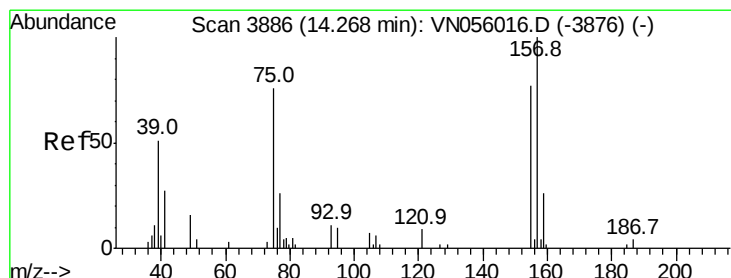
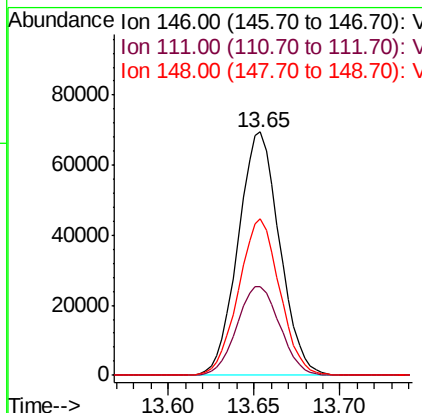
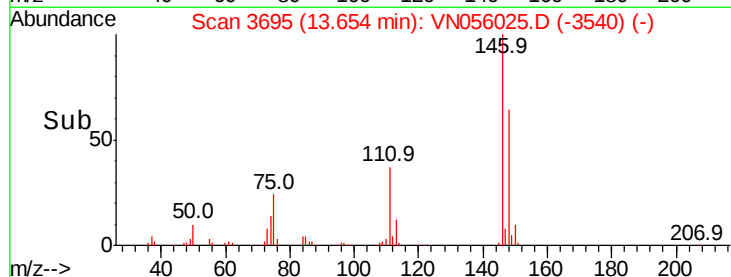
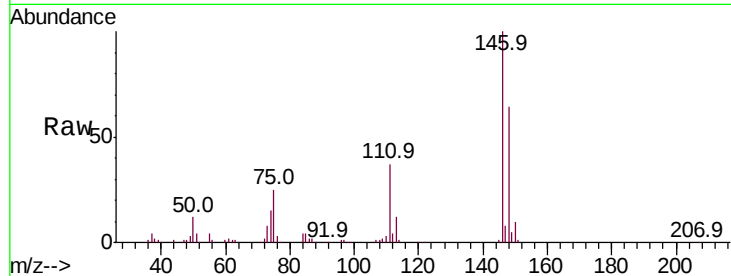
ClientSampleId :

VN0606WBS01

Tot Ion:	146	Resp:	116433
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.3	57.9
148	63.7	32.6	97.8

Manual Integrations
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6/6/2019 9:04:37 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.936 ug/l

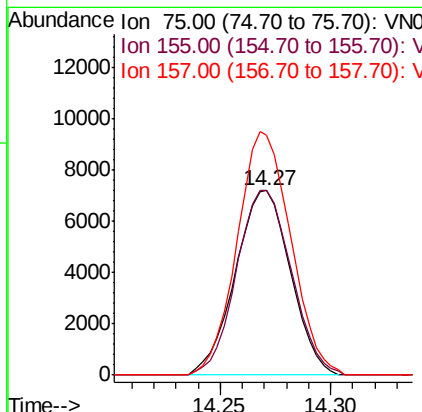
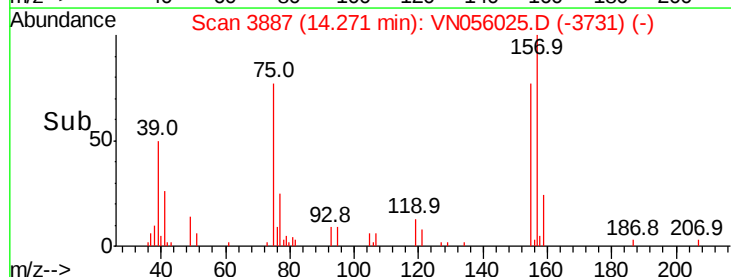
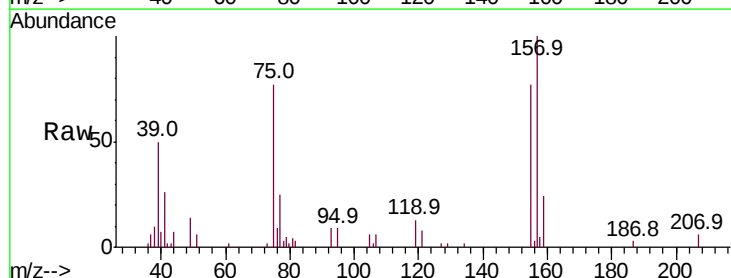
RT: 14.27 min Scan# 3887

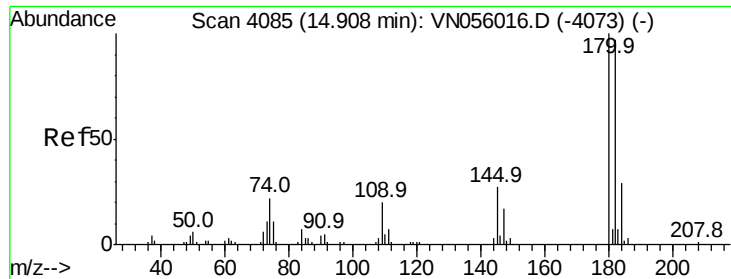
Delta R.T. 0.00 min

Lab File: VN056025.D

Acq: 5 Jun 2019 23:53

Tgt Ion:	75	Resp:	12496
Ion Ratio	Lower	Upper	
75	100		
155	99.6	82.5	123.7
157	128.6	105.1	157.7





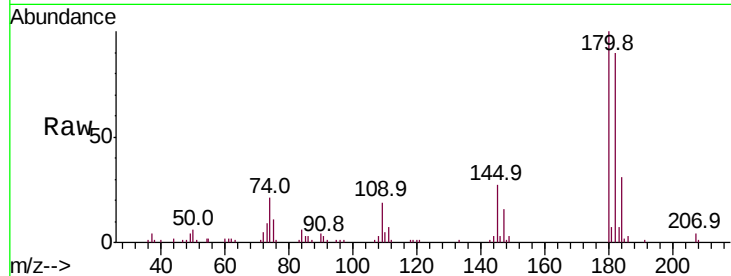
#89
 1,2,4-Trichlorobenzene
 Concen: 18.992 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	75.0	112.6
145	27.5	22.1	33.1

Manual Integrations
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MMDadoda
 6/6/2019 9:04:37 AM

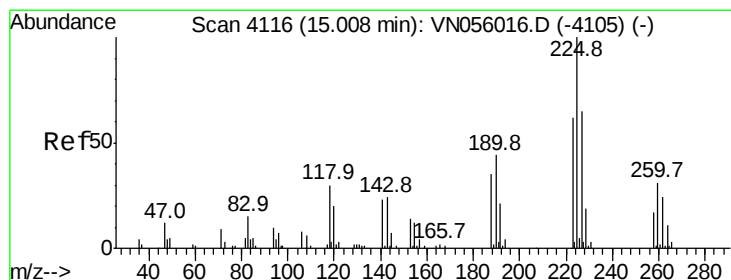
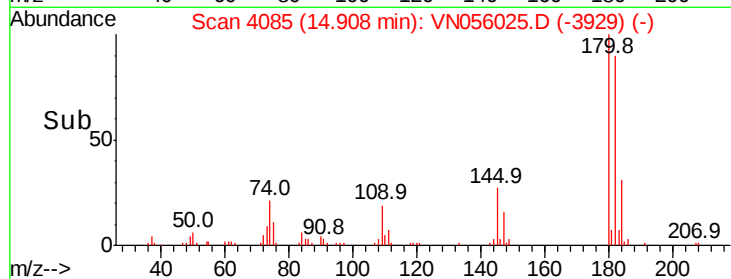
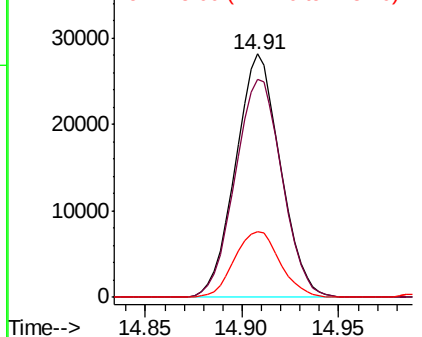


Abundance

Ion 180.00 (179.70 to 180.70): V

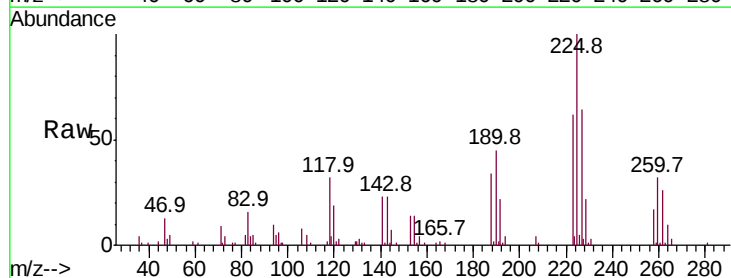
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.847 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN056025.D
 Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	0.0	125.6
227	63.0	0.0	128.6

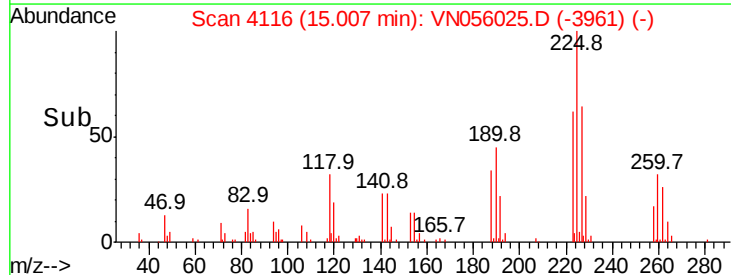
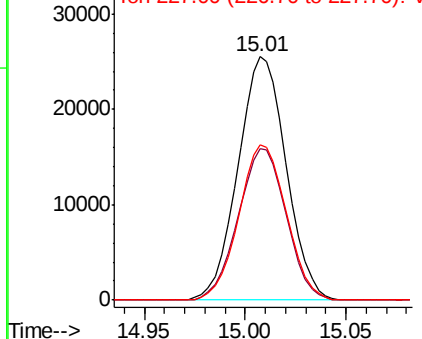


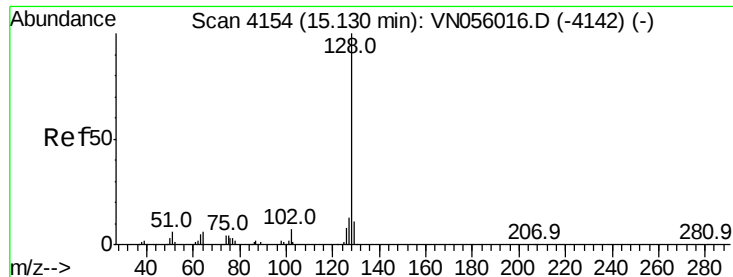
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





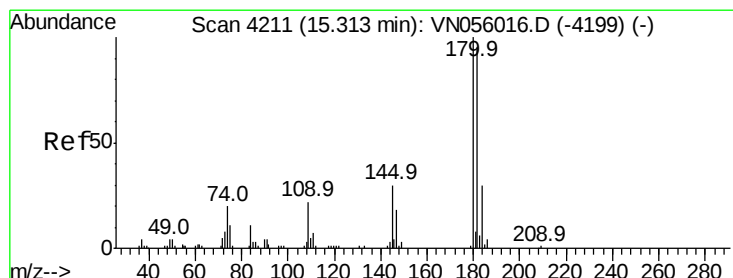
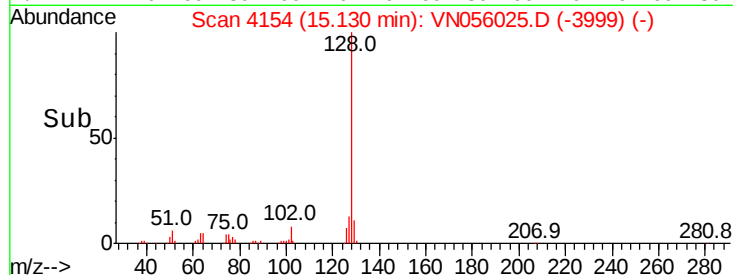
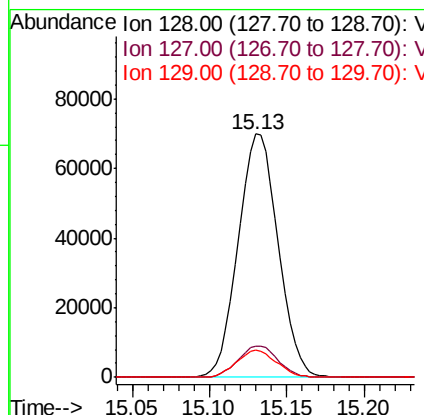
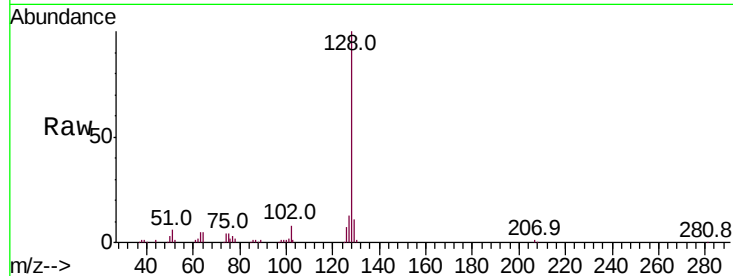
#91
Naphthalene
Concen: 15.238 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Instrument :
MSVOA_N
ClientSampleId :
VN0606WBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
6/6/2019 9:04:37 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.427 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN056025.D
Acq: 5 Jun 2019 23:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.0	0.0	193.4
145	29.7	0.0	59.8

