

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056713.D
 Acq On : 15 Jul 2019 15:39
 Operator : JC/SP
 Sample : VN0715WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:32:07 AM

Quant Time: Jul 16 09:02:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	327395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	515744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	452566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	187855	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.59	113	163703	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.09	98	629971	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.40	95	202861	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	57957	18.853	ug/l	98
3) Chloromethane	2.06	50	78367	18.961	ug/l	96
4) Vinyl Chloride	2.18	62	76480	19.215	ug/l	98
5) Bromomethane	2.55	94	47343	20.227	ug/l	100
6) Chloroethane	2.70	64	44716	19.280	ug/l	96
7) Trichlorofluoromethane	3.01	101	97689	19.128	ug/l	99
8) Diethyl Ether	3.41	74	38272	19.221	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	59045	19.243	ug/l	99
10) Methyl Iodide	3.95	142	74434	18.137	ug/l	99
11) Tert butyl alcohol	4.79	59	60324	100.075	ug/l	98
12) 1,1-Dichloroethene	3.74	96	59738	19.410	ug/l	96
13) Acrolein	3.61	56	21137	108.954	ug/l	98
14) Allyl chloride	4.32	41	99286	18.654	ug/l	97
15) Acrylonitrile	4.99	53	175992	101.100	ug/l	99
16) Acetone	3.82	43	142798	85.567	ug/l	100
17) Carbon Disulfide	4.05	76	148637	18.276	ug/l	99
18) Methyl Acetate	4.33	43	77519	20.100	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	191156	19.493	ug/l	99
20) Methylene Chloride	4.55	84	71358	19.566	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	61858	19.014	ug/l	94
22) Diisopropyl ether	5.95	45	212303	20.208	ug/l	94
23) Vinyl Acetate	5.90	43	858379	100.827	ug/l	99
24) 1,1-Dichloroethane	5.85	63	118780	19.501	ug/l	99
25) 2-Butanone	6.84	43	234123	95.957	ug/l	98
26) 2,2-Dichloropropane	6.82	77	78692	17.918	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	73241	19.565	ug/l	98
28) Bromochloromethane	7.20	49	55924	19.527	ug/l	100
29) Tetrahydrofuran	7.21	42	161764	101.652	ug/l	99
30) Chloroform	7.37	83	117857	19.336	ug/l	98
31) Cyclohexane	7.65	56	113104	19.537	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	96015	19.918	ug/l	98
36) 1,1-Dichloropropene	7.79	75	88280	18.498	ug/l	99
37) Ethyl Acetate	6.93	43	94141	20.014	ug/l	99
38) Carbon Tetrachloride	7.77	117	81351	18.176	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	107940	18.317	ug/l	98
40) Benzene	8.04	78	279644	19.123	ug/l	98
41) Methacrylonitrile	7.18	41	40530m	19.616	ug/l	
42) 1,2-Dichloroethane	8.13	62	89067	19.272	ug/l	100
43) Isopropyl Acetate	8.17	43	146414	19.800	ug/l	99
44) Trichloroethene	8.84	130	73870	18.602	ug/l	96
45) 1,2-Dichloropropane	9.12	63	73839	19.003	ug/l	99
46) Dibromomethane	9.21	93	46163	19.171	ug/l	99
47) Bromodichloromethane	9.40	83	85977	18.790	ug/l	99
48) Methyl methacrylate	9.20	41	70161	19.619	ug/l	99
49) 1,4-Dioxane	9.20	88	30400	414.286	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	470850	98.310	ug/l	99
52) Toluene	10.16	92	168958	19.455	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	88287	18.494	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	102758	18.549	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	70413	19.331	ug/l	100
56) Ethyl methacrylate	10.43	69	101107	19.291	ug/l	100
57) 1,3-Dichloropropane	10.71	76	115906	19.483	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	241838	95.957	ug/l	99
59) 2-Hexanone	10.75	43	332852	96.855	ug/l	100
60) Dibromochloromethane	10.90	129	67654	18.885	ug/l	99
61) 1,2-Dibromoethane	11.00	107	71963	19.879	ug/l	98
64) Tetrachloroethene	10.63	164	72190	18.489	ug/l	98
65) Chlorobenzene	11.43	112	177244	19.154	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	64562	18.949	ug/l	97
67) Ethyl Benzene	11.51	91	310236	19.077	ug/l	100
68) m/p-Xylenes	11.62	106	234146	38.525	ug/l	100
69) o-Xylene	11.95	106	114237	19.119	ug/l	100
70) Styrene	11.96	104	184964	19.147	ug/l	99
71) Bromoform	12.13	173	49305	19.019	ug/l #	100
73) Isopropylbenzene	12.25	105	298408	19.794	ug/l	99
74) N-amyl acetate	12.07	43	108773	19.373	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	98094	21.357	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	85784m	20.977	ug/l	
77) Bromobenzene	12.53	156	77174	19.571	ug/l	98
78) n-propylbenzene	12.59	91	322931	19.295	ug/l	100
79) 2-Chlorotoluene	12.67	91	199959	20.657	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	255542	20.000	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	24555	18.544	ug/l	93
82) 4-Chlorotoluene	12.77	91	189237	19.267	ug/l	99
83) tert-Butylbenzene	12.99	119	217509	21.000	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	251062	20.113	ug/l	99
85) sec-Butylbenzene	13.17	105	280208	19.736	ug/l	100
86) p-Isopropyltoluene	13.29	119	248823	19.346	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	122813	19.005	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	117787	18.738	ug/l	99
89) n-Butylbenzene	13.61	91	194451	18.769	ug/l	100
90) Hexachloroethane	13.87	117	39043	18.771	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	127484	19.289	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15646	19.354	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56431	18.005	ug/l	99
94) Hexachlorobutadiene	15.01	225	42092	19.483	ug/l	99
95) Naphthalene	15.13	128	143660	17.568	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	61157	19.072	ug/l	99

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

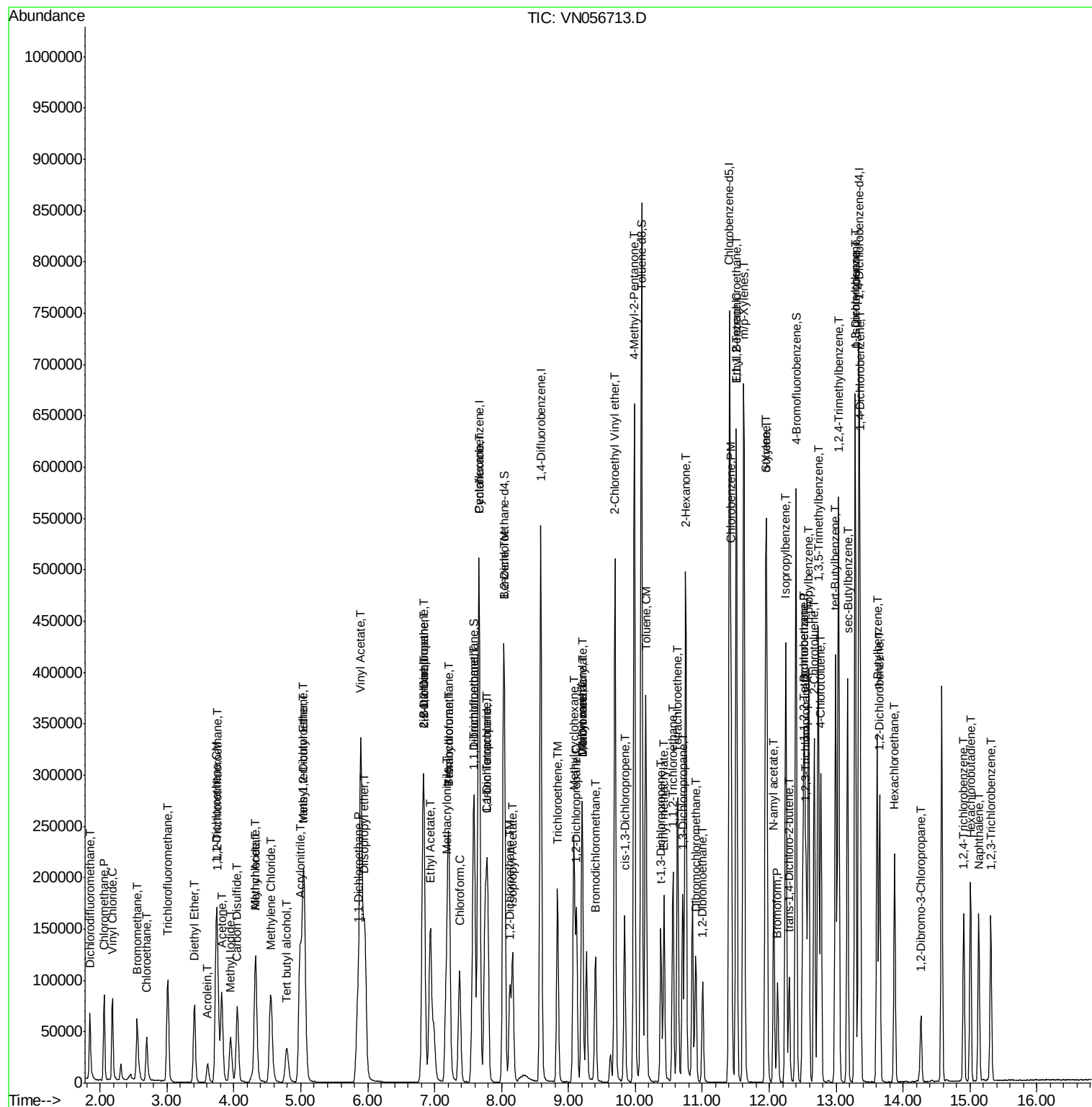
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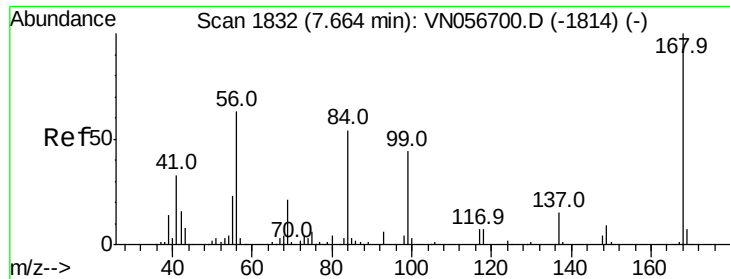
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion:168 Resp: 327395

Ion Ratio Lower Upper

168 100

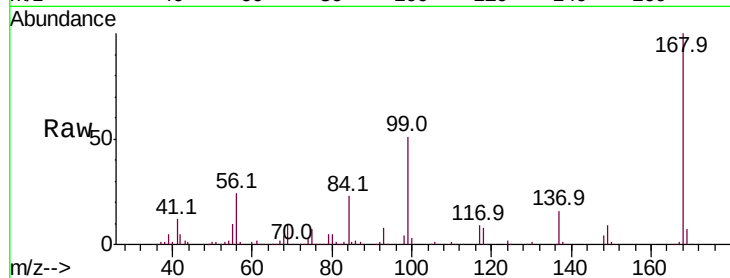
99 50.7 39.4 59.2

Manual Integrations

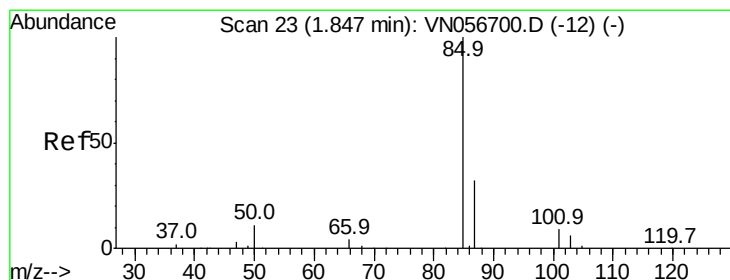
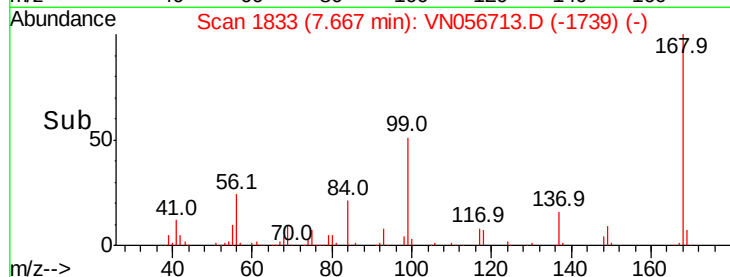
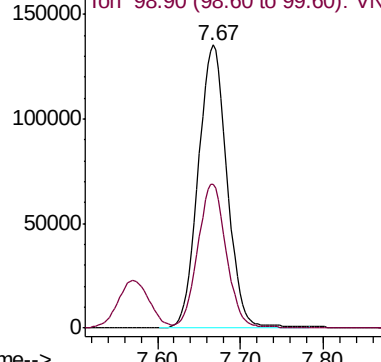
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Abundance Ion 167.90 (167.60 to 168.60): VN056713.D (-1739) (-)



#2

Dichlorodifluoromethane

Concen: 18.853 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056713.D

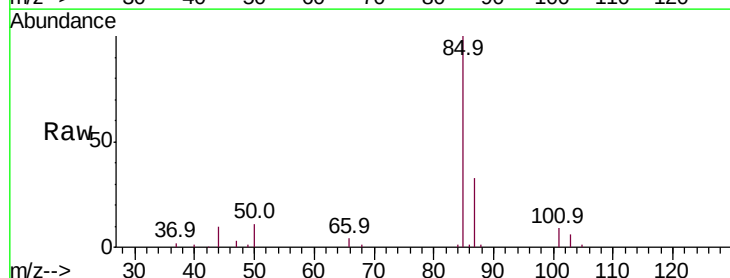
Acq: 15 Jul 2019 15:39

Tgt Ion: 85 Resp: 57957

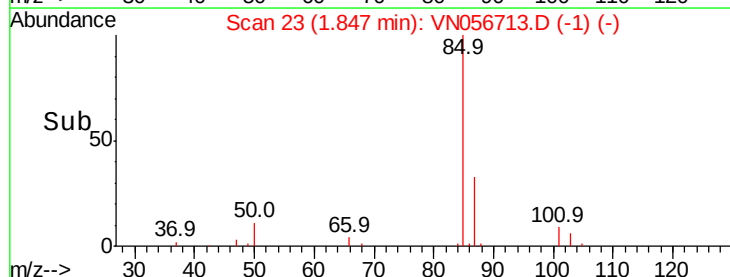
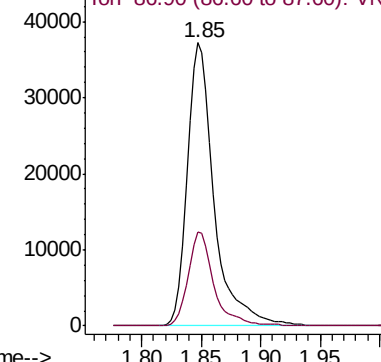
Ion Ratio Lower Upper

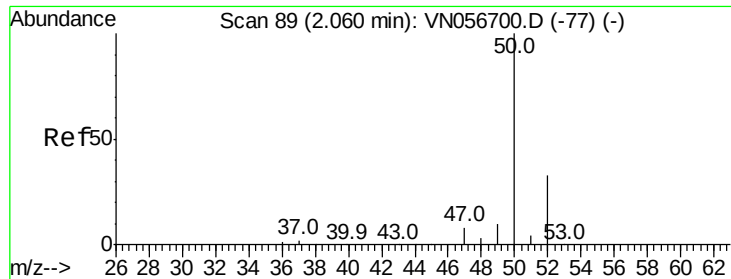
85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN056713.D (-1) (-)





#3

Chloromethane

Concen: 18.961 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion: 50 Resp: 78367

Ion Ratio Lower Upper

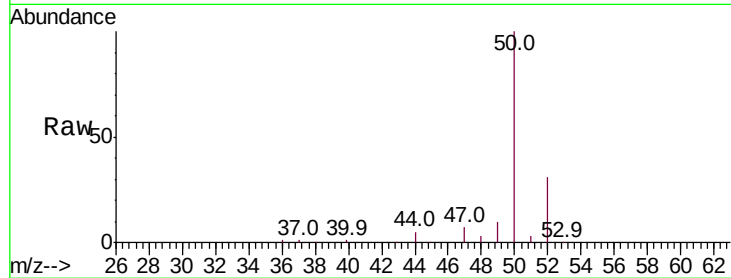
50 100

52 31.0 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VN056713.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN056713.D (-1) (-)

2.06

50000

40000

30000

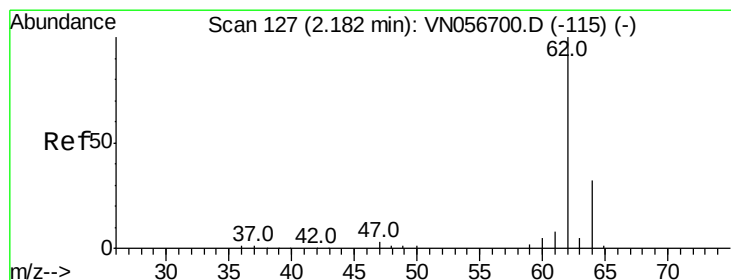
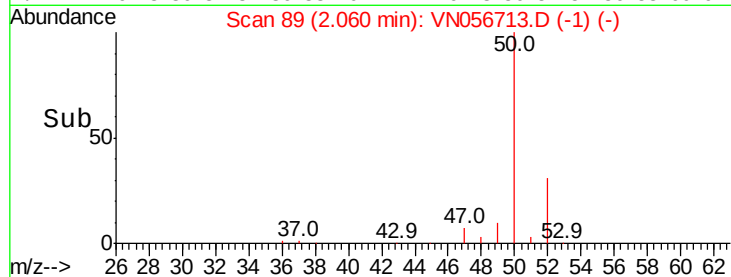
20000

10000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 19.215 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056713.D

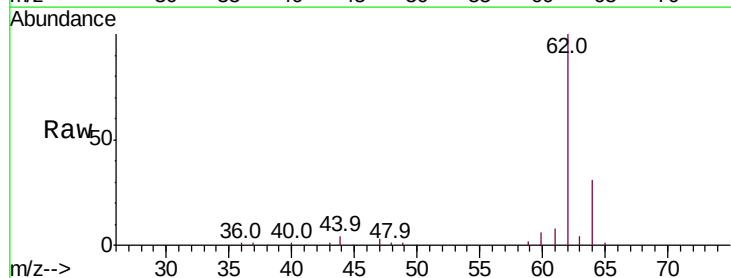
Acq: 15 Jul 2019 15:39

Tgt Ion: 62 Resp: 76480

Ion Ratio Lower Upper

62 100

64 30.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN056713.D (-34) (-)

Ion 63.90 (63.60 to 64.60): VN056713.D (-34) (-)

2.18

50000

40000

30000

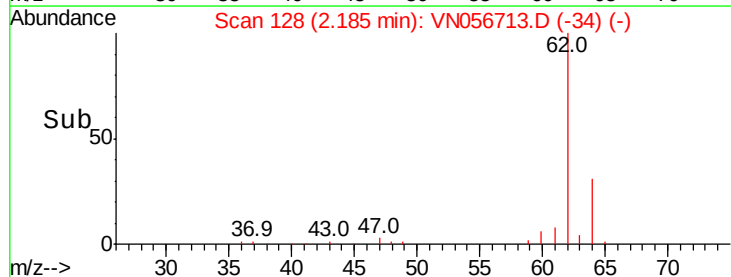
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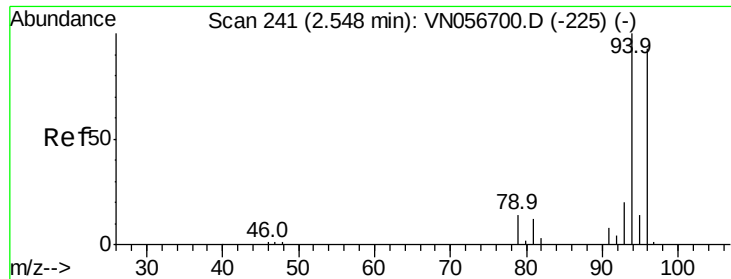
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Time-->

2.10 2.15 2.20 2.25 2.30





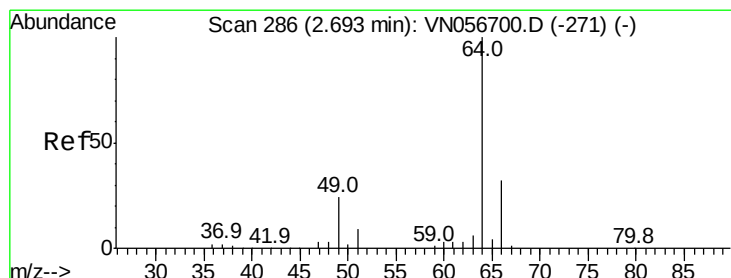
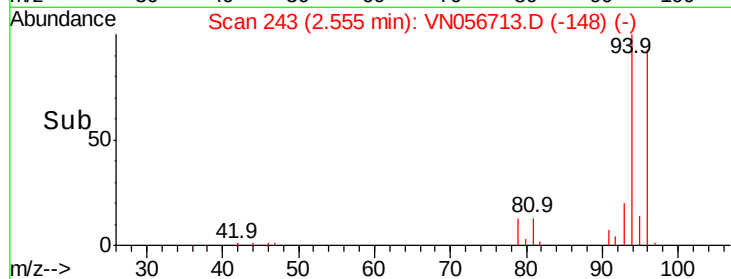
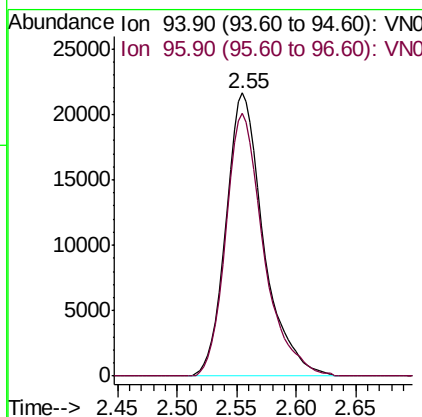
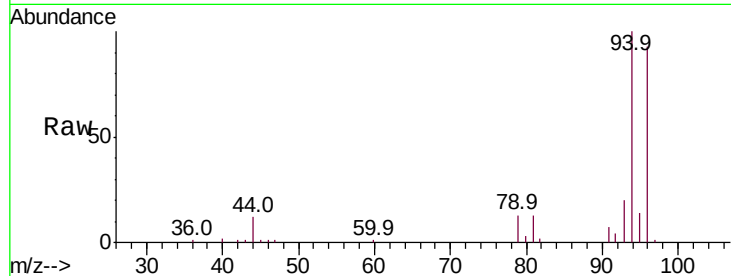
#5
Bromomethane
Concen: 20.227 ug/l
RT: 2.55 min Scan# 243
Delta R.T. 0.01 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
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Tot Ion: 94 Resp: 47343
Ion Ratio Lower Upper
94 100
96 92.7 74.0 111.0

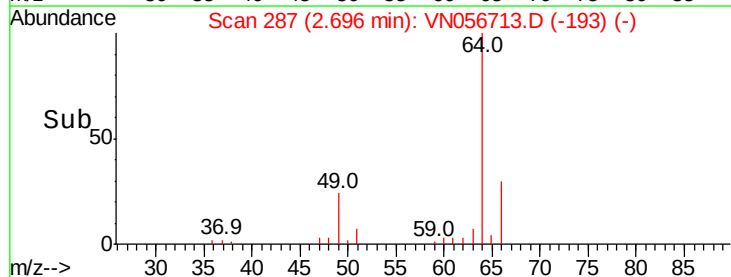
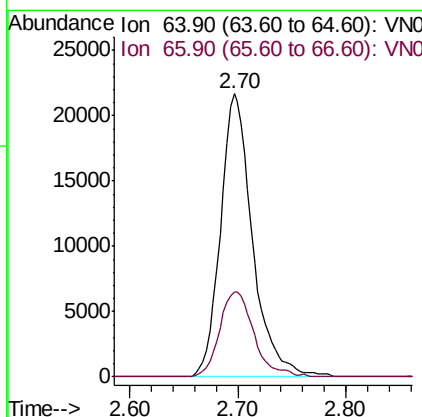
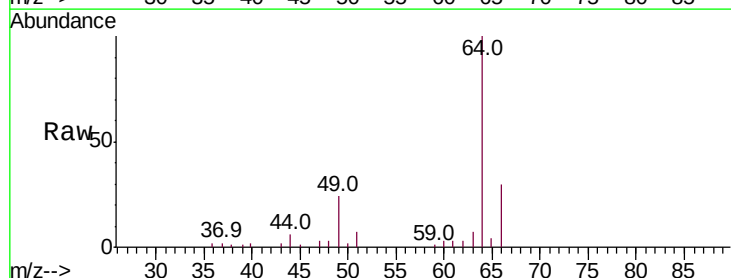
Manual Integrations
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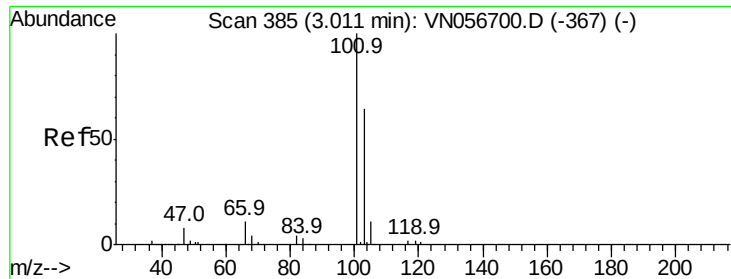
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#6
Chloroethane
Concen: 19.280 ug/l
RT: 2.70 min Scan# 287
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion: 64 Resp: 44716
Ion Ratio Lower Upper
64 100
66 30.0 25.8 38.8





#7

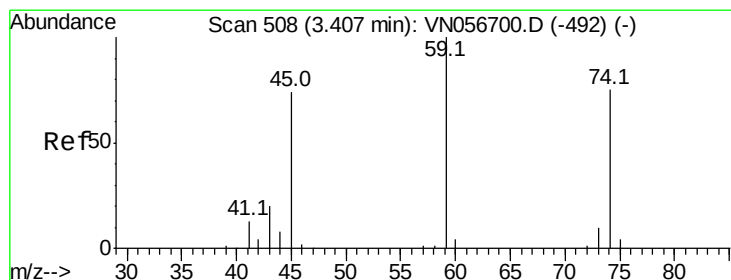
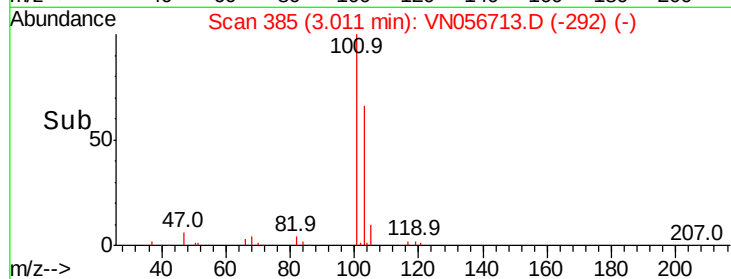
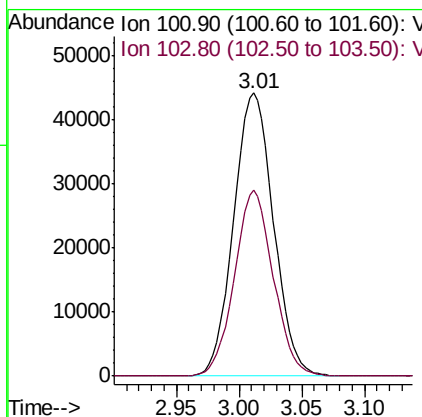
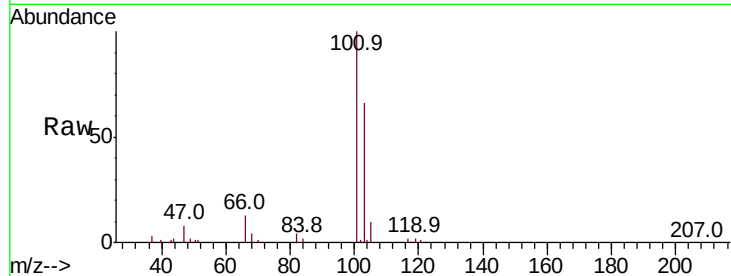
Trichlorofluoromethane
Concen: 19.128 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.5	77.3

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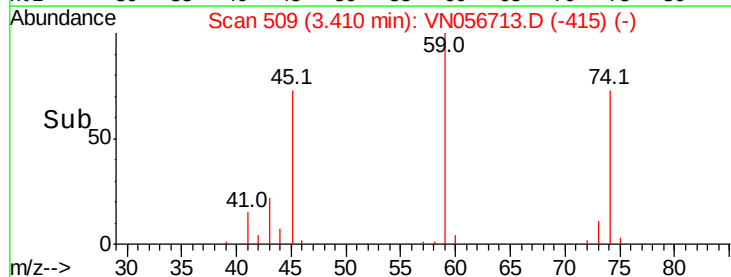
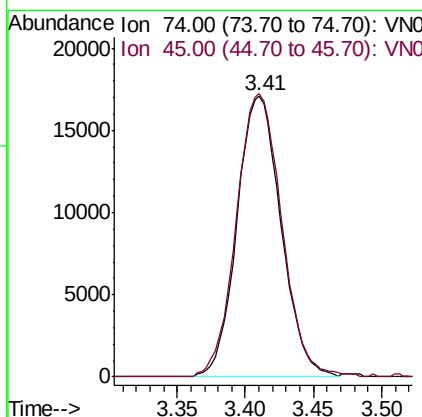
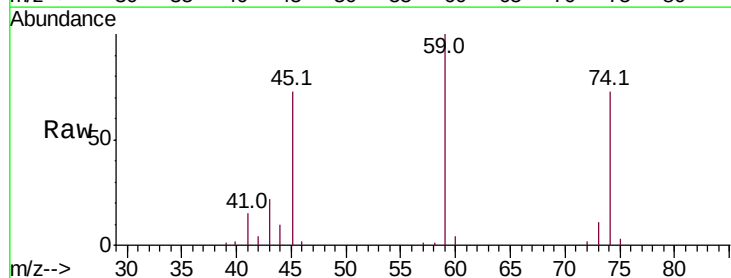
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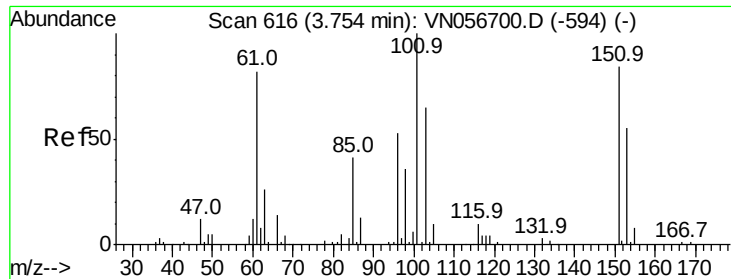


#8

Diethyl Ether
Concen: 19.221 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	49.4	148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.243 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

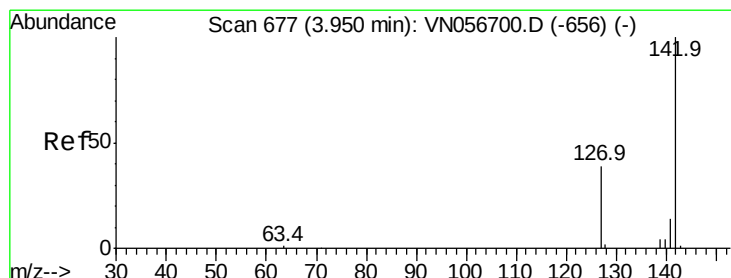
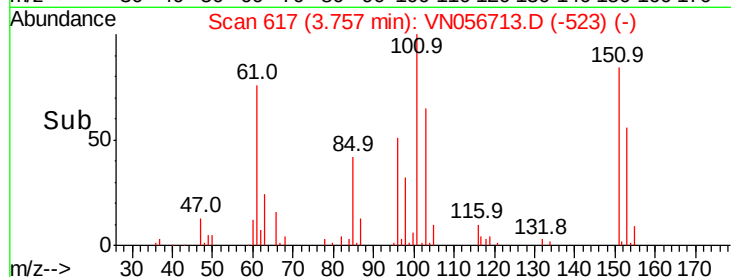
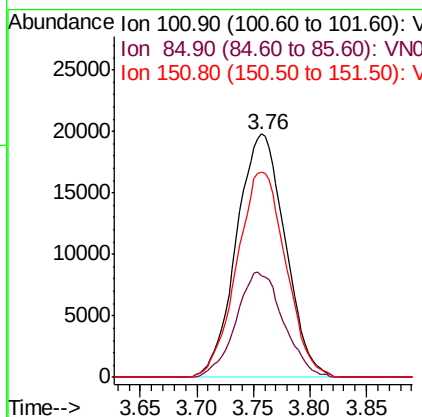
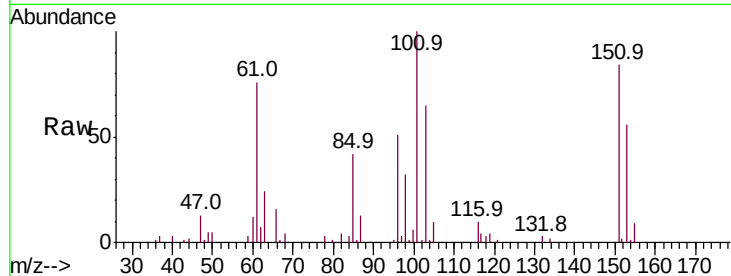
ClientSampleId :

VN0715WBS01

Tot Ion:	101	Resp:	59045
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.3	49.9
151	85.0	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 18.137 ug/l

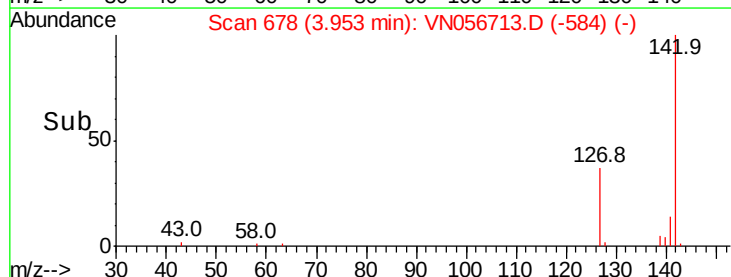
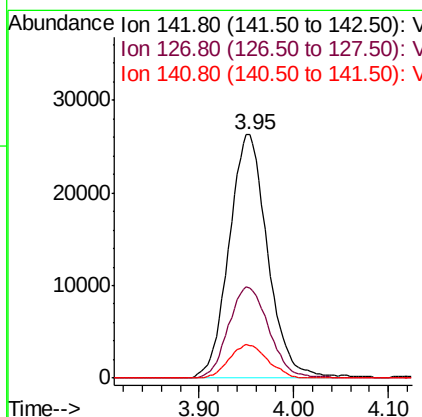
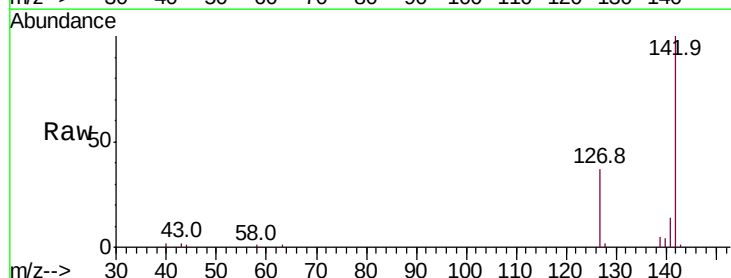
RT: 3.95 min Scan# 678

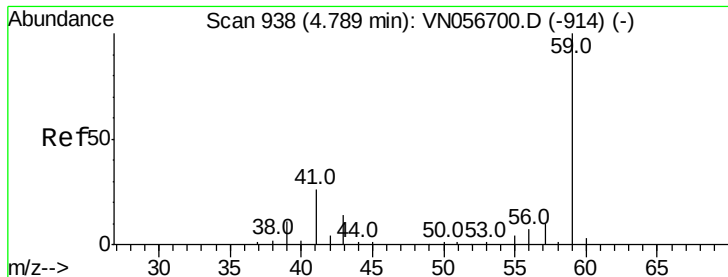
Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Tgt Ion:	142	Resp:	74434
Ion Ratio	Lower	Upper	
142	100		
127	39.2	30.7	46.1
141	13.8	11.3	16.9





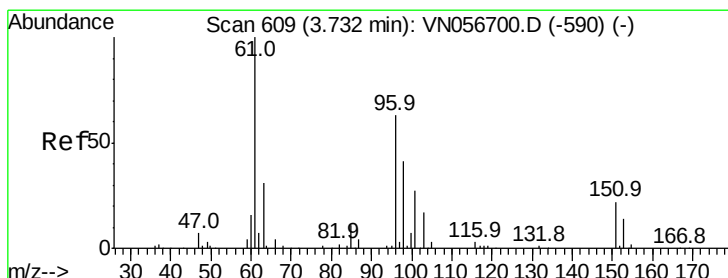
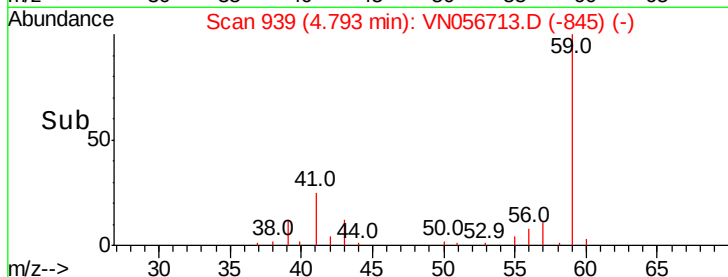
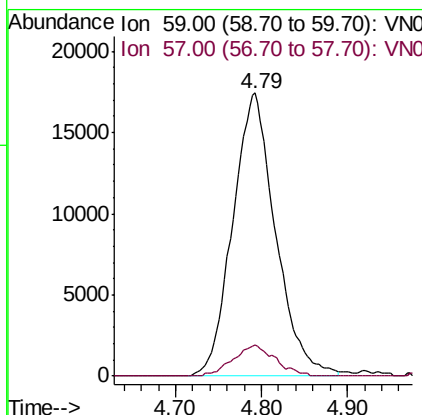
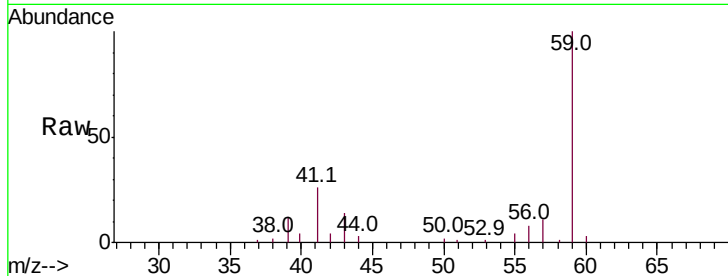
#11
Tert butyl alcohol
Concen: 100.075 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.0	12.0

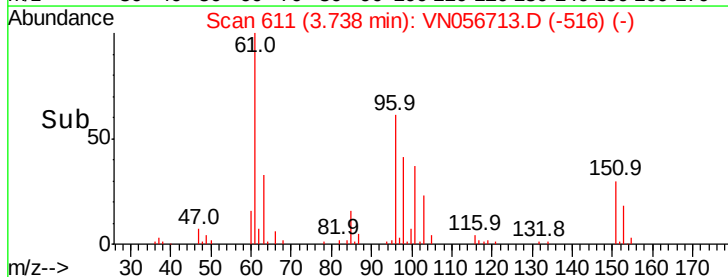
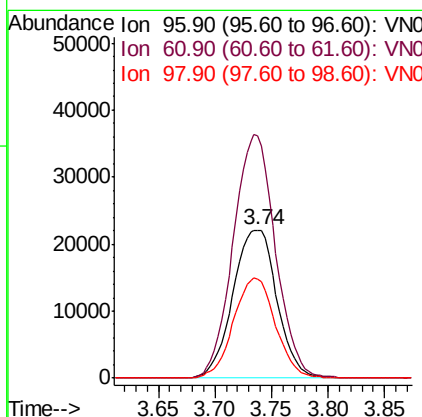
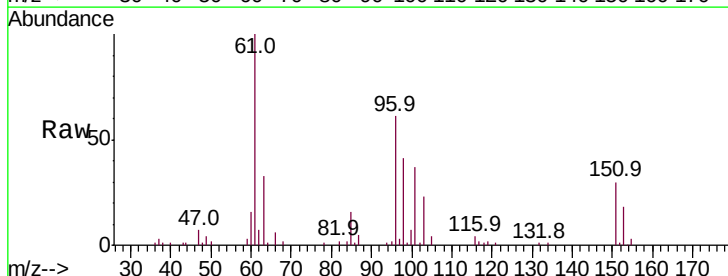
Manual Integrations
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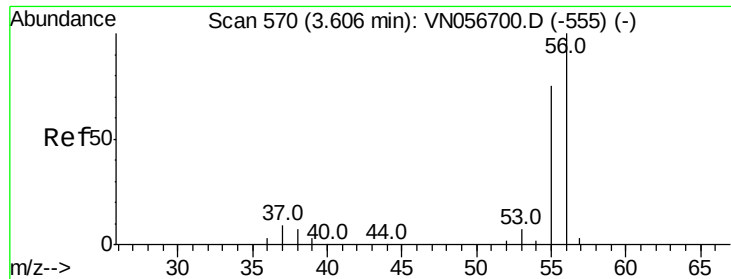
MMDadoda
7/17/2019 1:32:07 AM



#12
1,1-Dichloroethene
Concen: 19.410 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	126.6	189.8
98	67.1	51.4	77.2





#13

Acrolein

Concen: 108.954 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion: 56 Resp: 21137

Ion Ratio Lower Upper

56 100

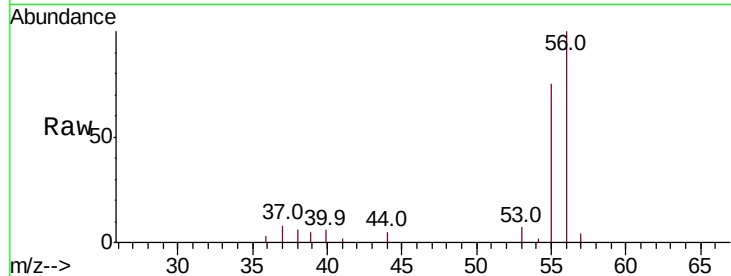
55 74.4 58.0 87.0

Manual Integrations

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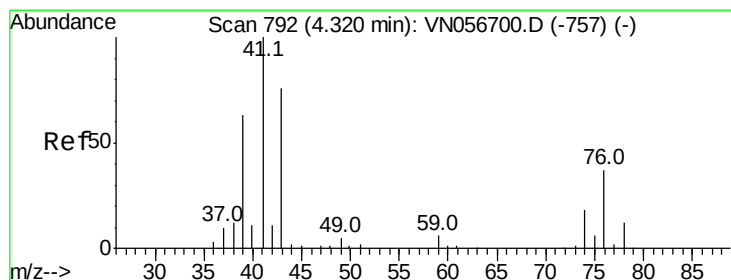
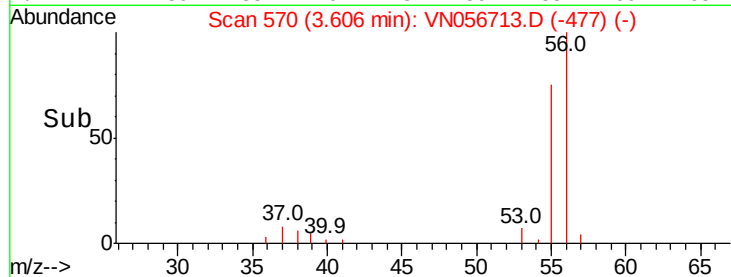
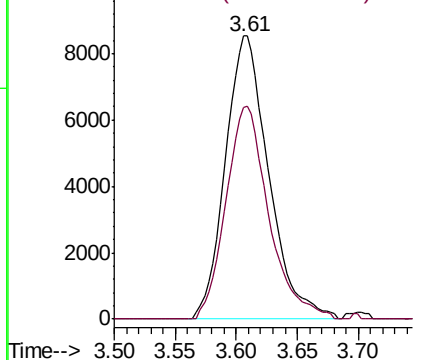
MMDadoda

7/17/2019 1:32:07 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.654 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

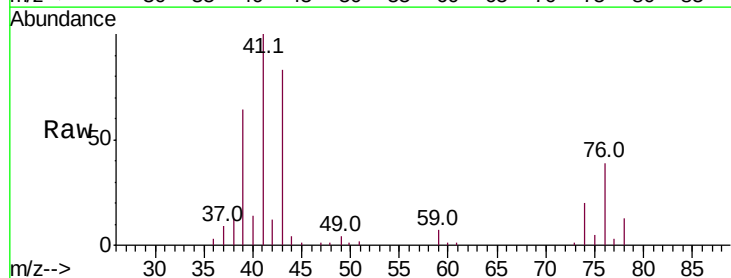
Tgt Ion: 41 Resp: 99286

Ion Ratio Lower Upper

41 100

39 60.8 46.9 70.3

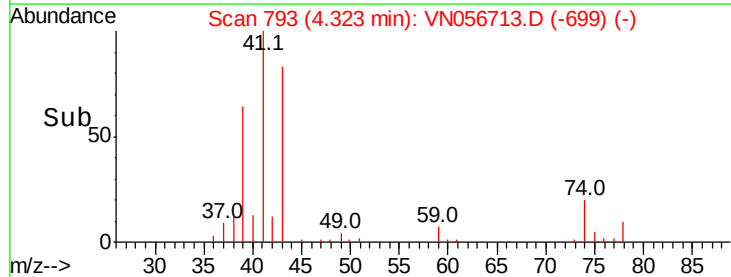
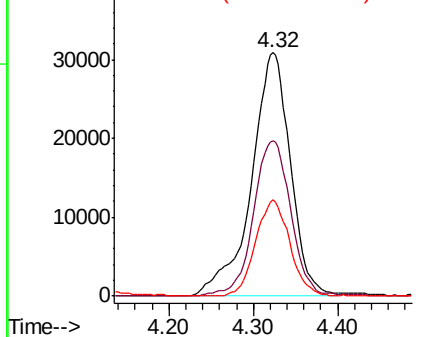
76 34.4 26.5 39.7

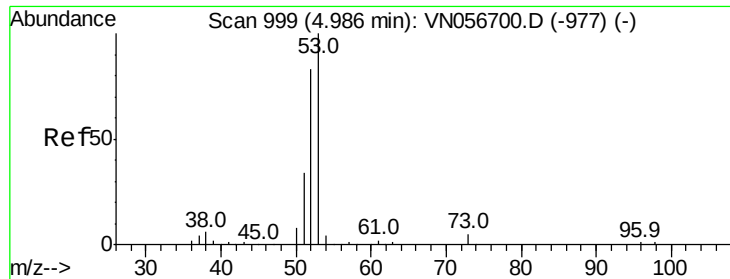


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





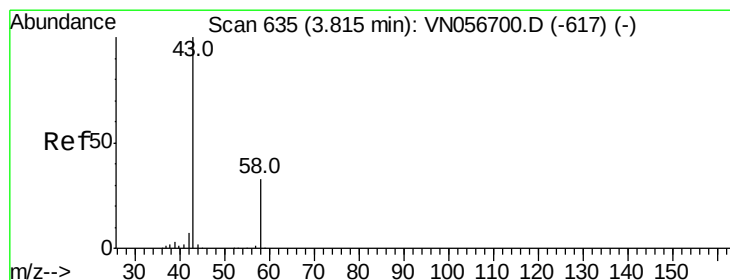
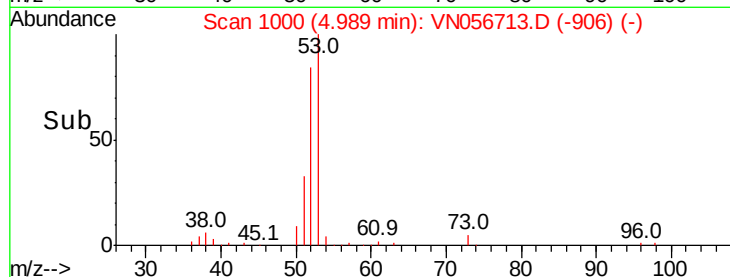
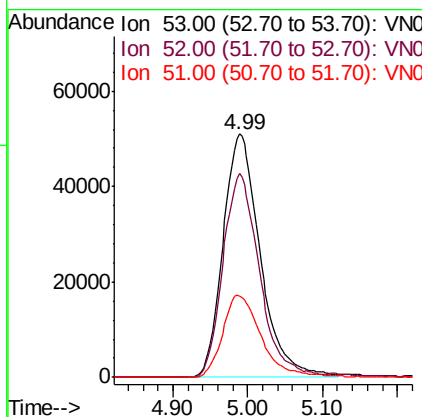
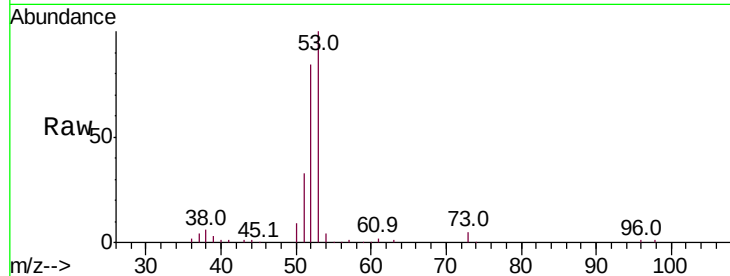
#15
 Acrylonitrile
 Concen: 101.100 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	99.8
51	34.4	28.4	42.6

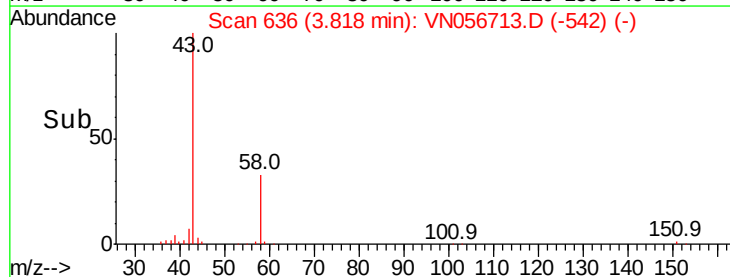
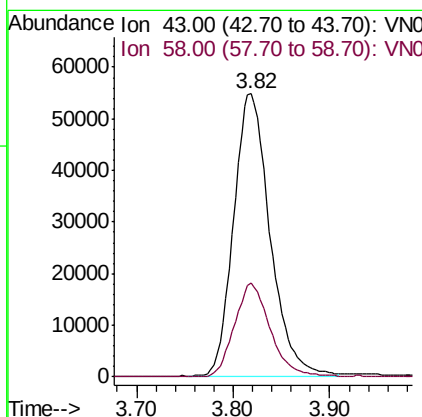
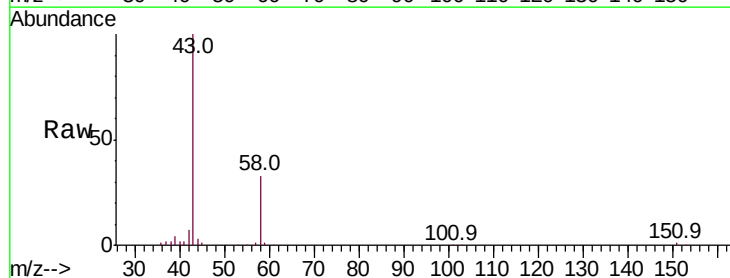
Manual Integrations
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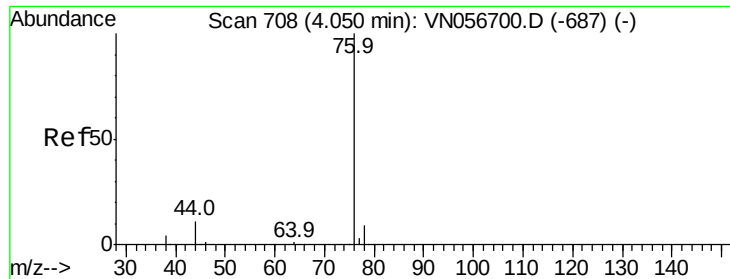
MMDadoda
 7/17/2019 1:32:07 AM



#16
 Acetone
 Concen: 85.567 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.7	40.1





#17

Carbon Disulfide

Concen: 18.276 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion: 76 Resp: 148637

Ion Ratio Lower Upper

76 100

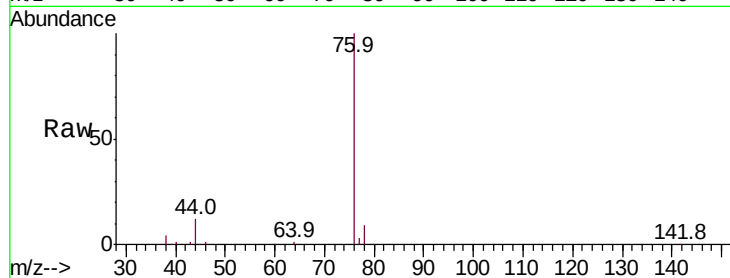
78 9.4 7.4 11.0

Manual Integrations

APPROVED

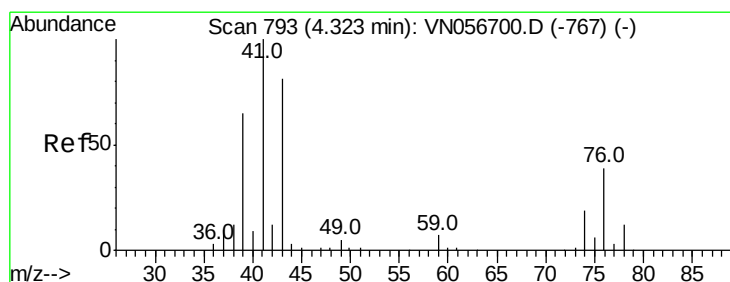
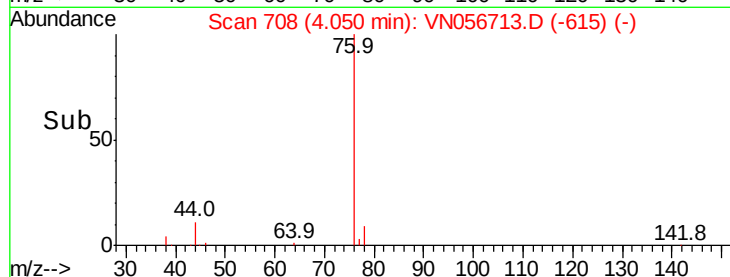
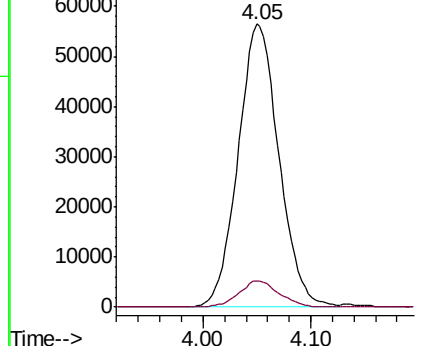
MMDadoda

7/17/2019 1:32:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.100 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056713.D

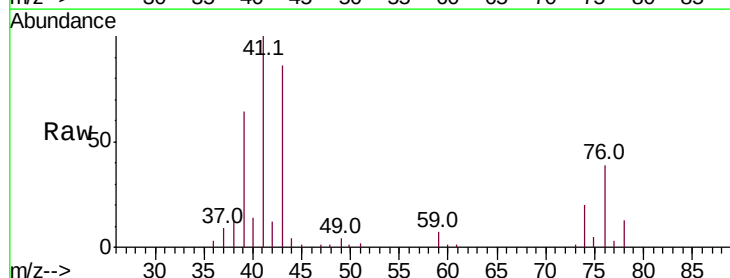
Acq: 15 Jul 2019 15:39

Tgt Ion: 43 Resp: 77519

Ion Ratio Lower Upper

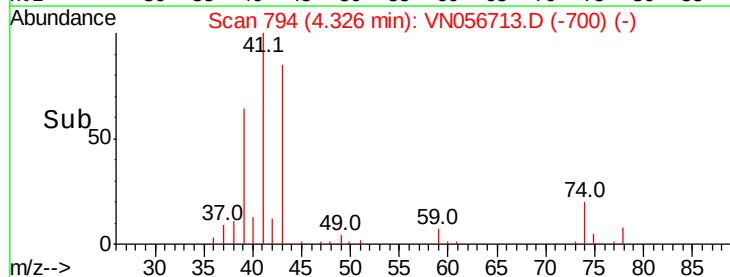
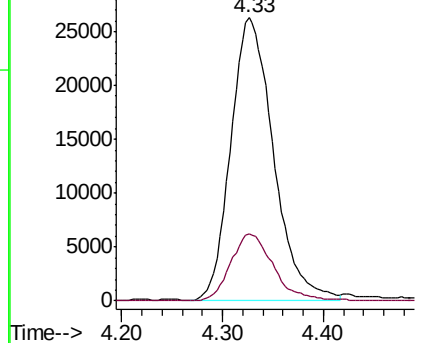
43 100

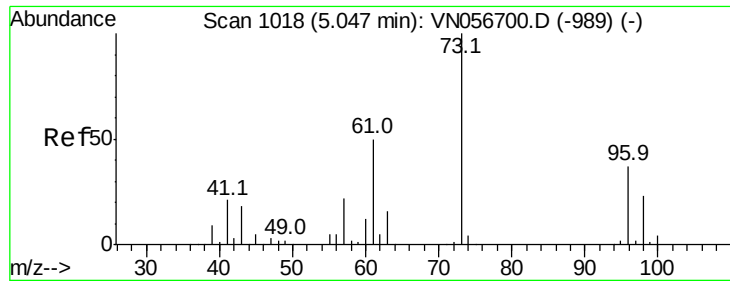
74 23.5 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





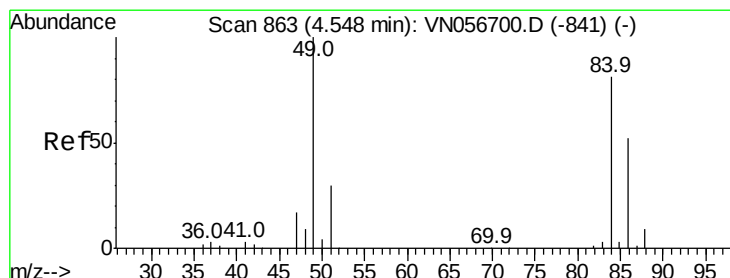
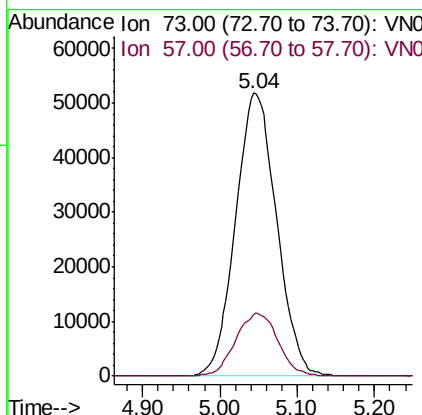
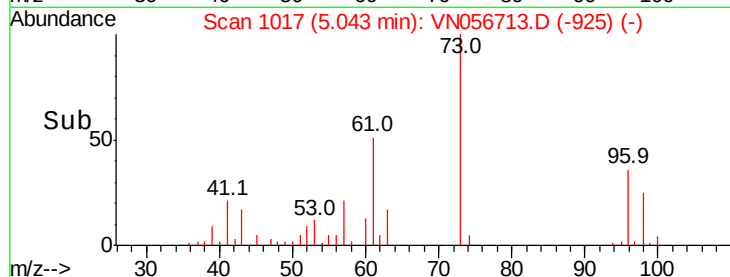
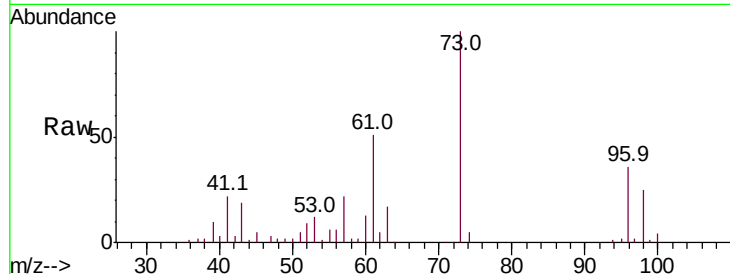
#19
Methyl tert-butyl Ether
Concen: 19.493 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion: 73 Resp: 191156
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9

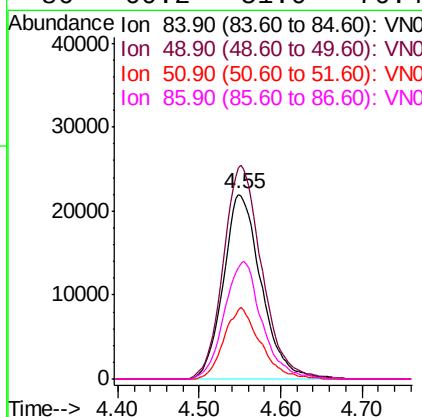
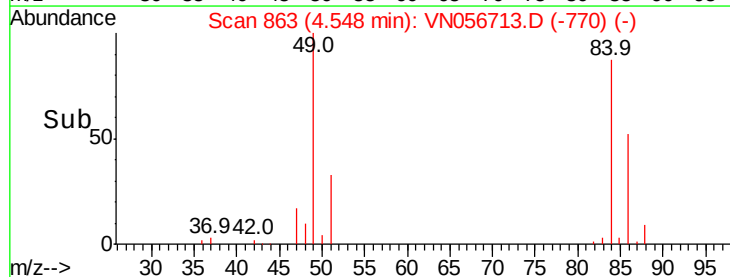
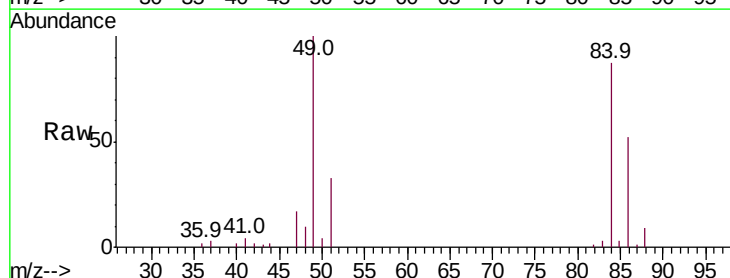
Manual Integrations
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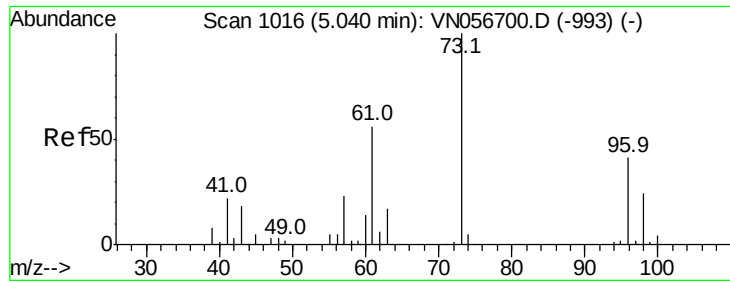
MMDadoda
7/17/2019 1:32:07 AM



#20
Methylene Chloride
Concen: 19.566 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion: 84 Resp: 71358
Ion Ratio Lower Upper
84 100
49 114.8 98.2 147.4
51 37.9 29.6 44.4
86 60.2 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.014 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion: 96 Resp: 61858

Ion Ratio Lower Upper

96 100

61 141.1 109.4 164.2

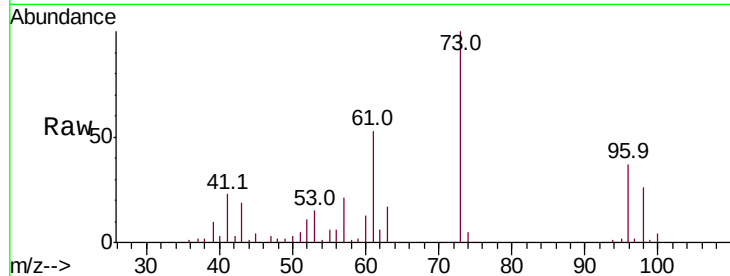
98 68.7 48.0 72.0

Manual Integrations

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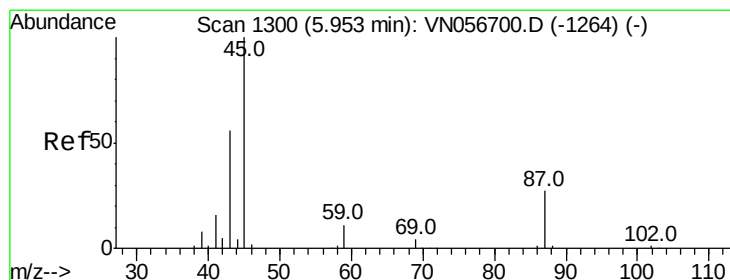
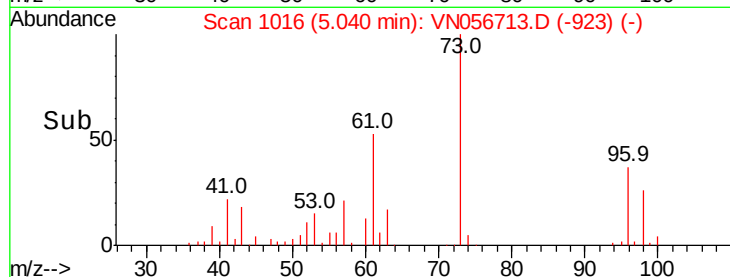
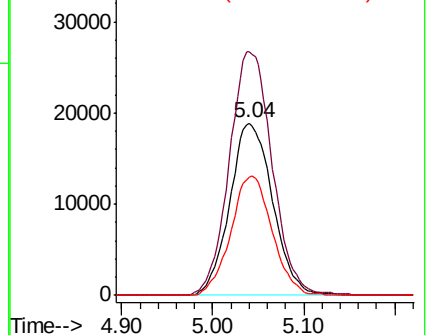
7/17/2019 1:32:07 AM



Abundance Ion 95.90 (95.60 to 96.60): VN056713.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN056713.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN056713.D (-1207) (-)



#22

Diisopropyl ether

Concen: 20.208 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Tgt Ion: 45 Resp: 212303

Ion Ratio Lower Upper

45 100

43 62.7 45.6 68.4

87 29.0 22.0 33.0

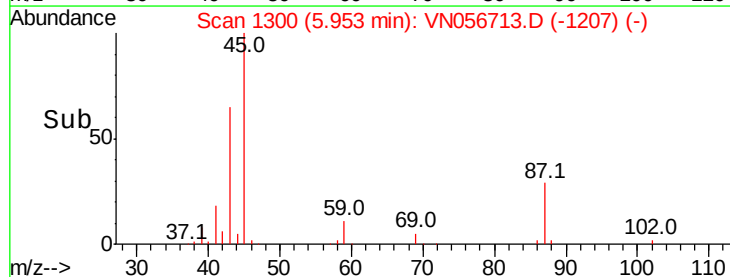
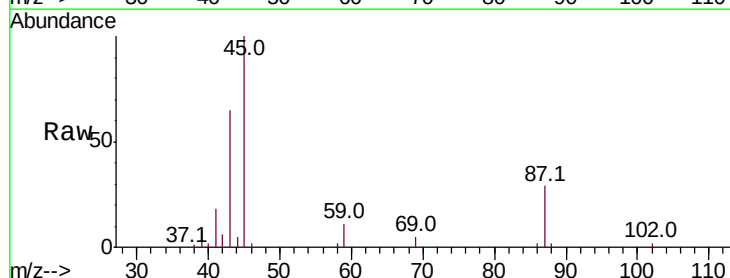
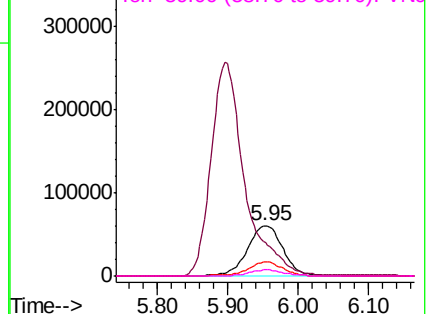
59 11.2 9.3 13.9

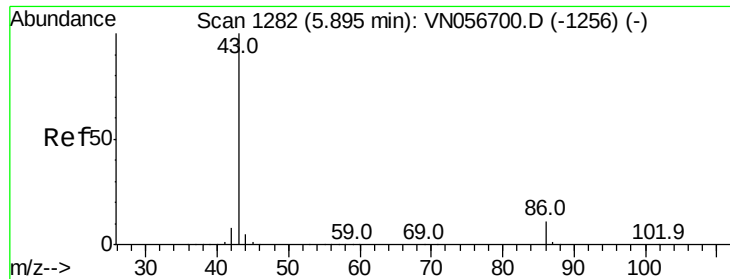
Abundance Ion 45.00 (44.70 to 45.70): VN056713.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN056713.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN056713.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN056713.D (-1207) (-)





#23

Vinyl Acetate

Concen: 100.827 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion: 43 Resp: 858379

Ion Ratio Lower Upper

43 100

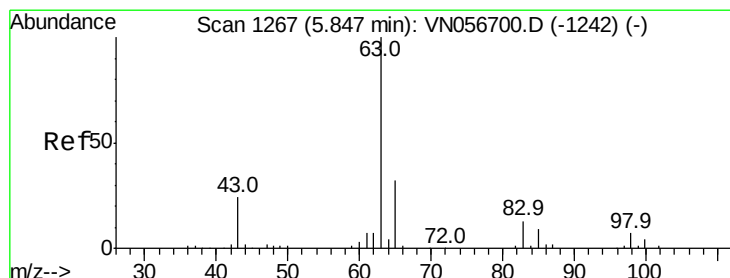
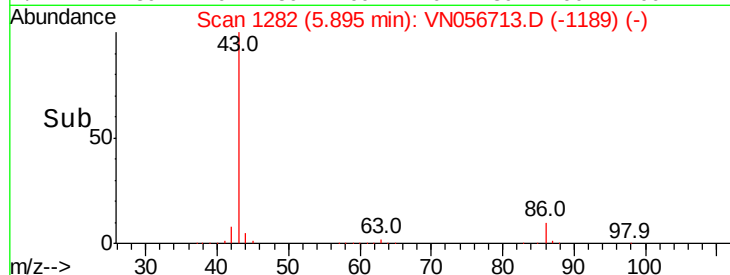
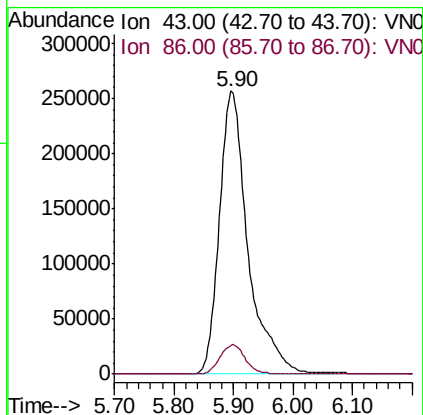
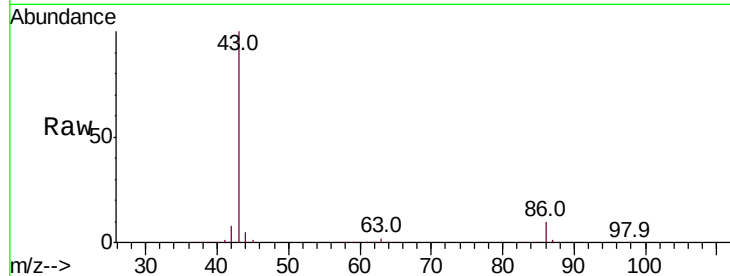
86 10.3 8.5 12.7

Manual Integrations

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MMDadoda

7/17/2019 1:32:07 AM



#24

1,1-Dichloroethane

Concen: 19.501 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

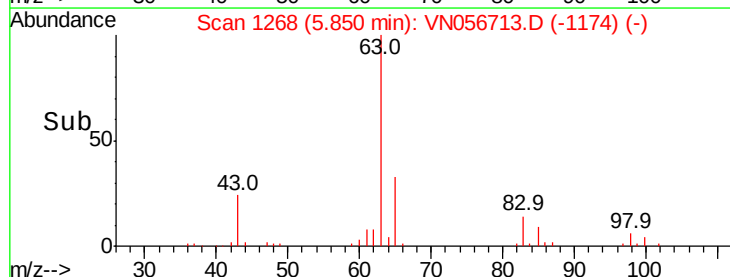
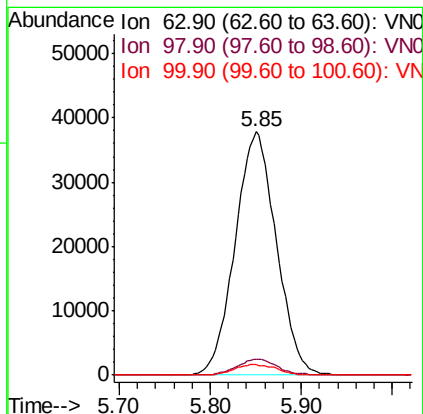
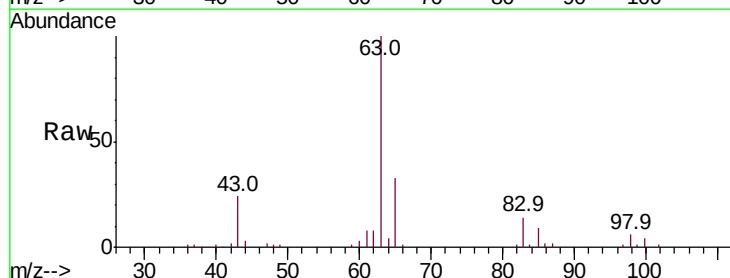
Tgt Ion: 63 Resp: 118780

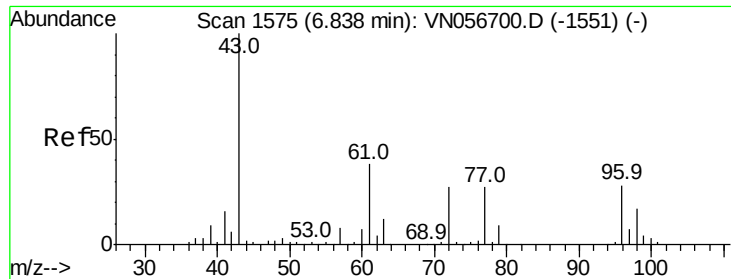
Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.3 2.0 5.8





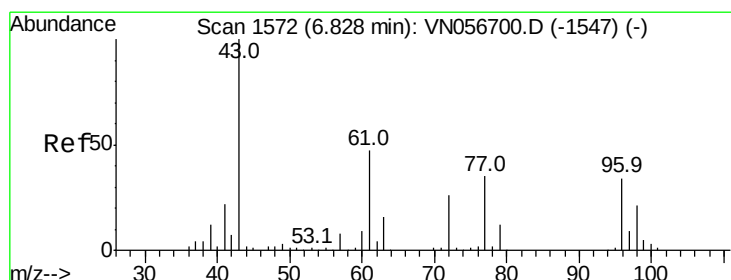
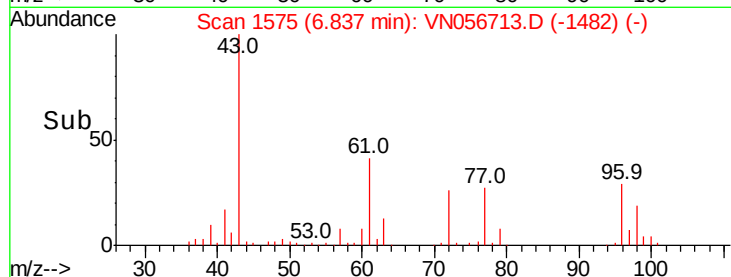
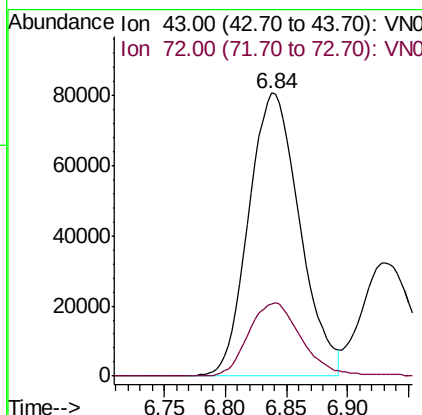
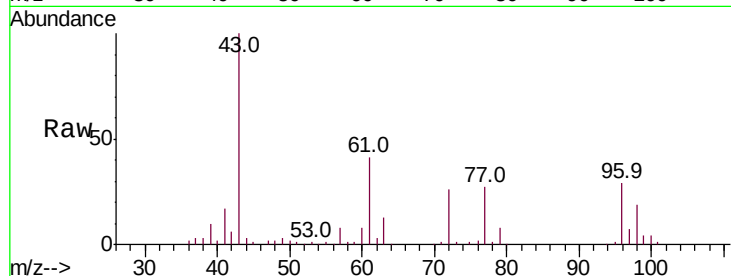
#25
2-Butanone
Concen: 95.957 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion: 43 Resp: 234123
Ion Ratio Lower Upper
43 100
72 25.7 21.2 31.8

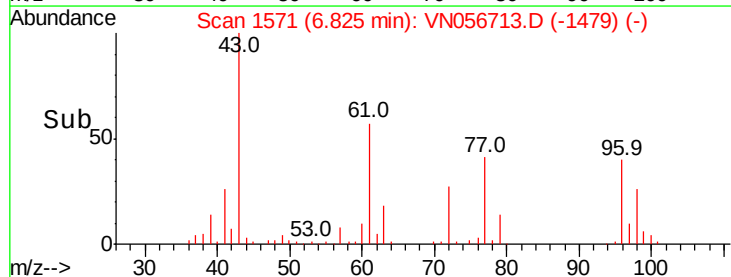
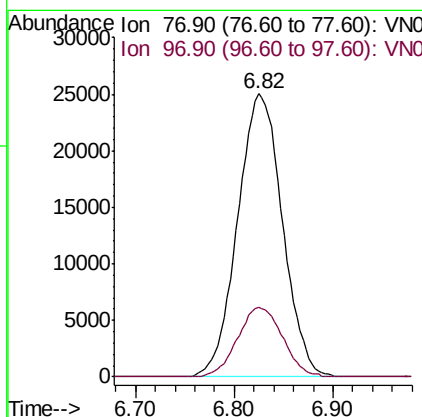
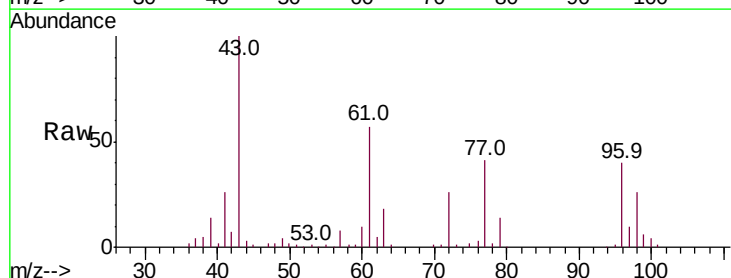
Manual Integrations
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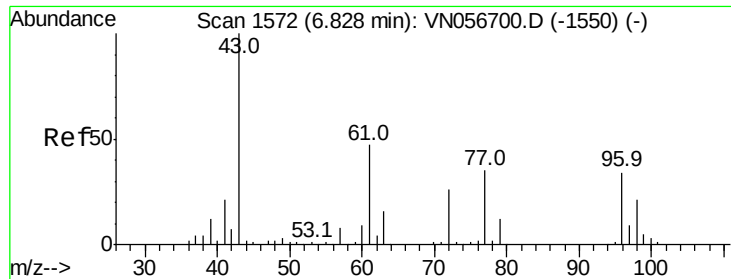
MMDadoda
7/17/2019 1:32:07 AM



#26
2,2-Dichloropropane
Concen: 17.918 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion: 77 Resp: 78692
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.565 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

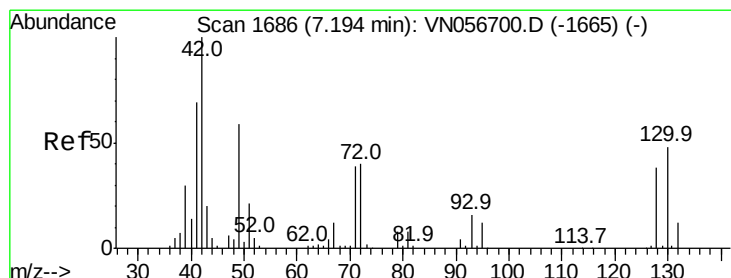
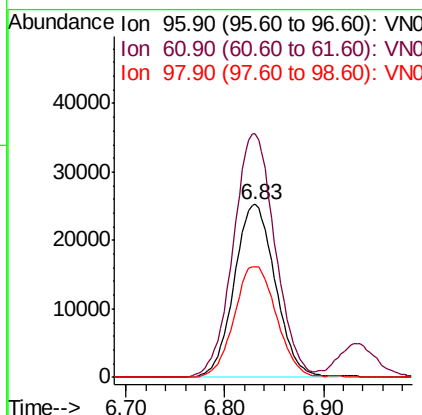
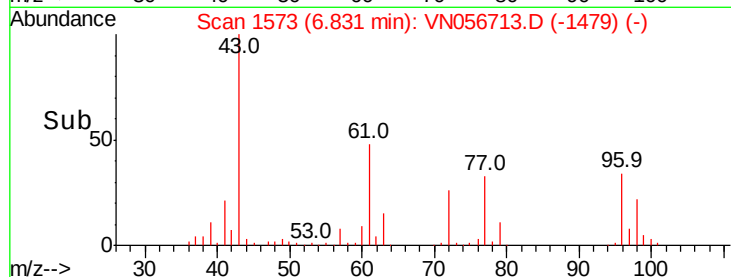
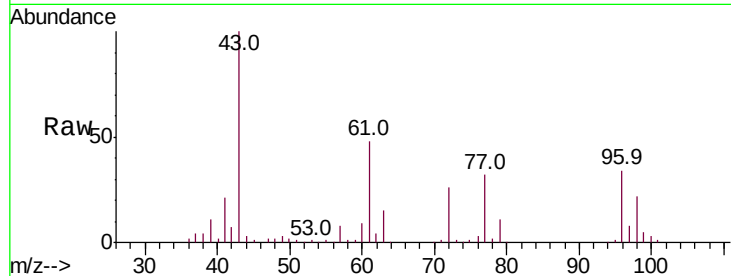
ClientSampleId :

VN0715WBS01

Tot Ion:	96	Resp:	73241
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	281.4
98	65.6	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 19.527 ug/l

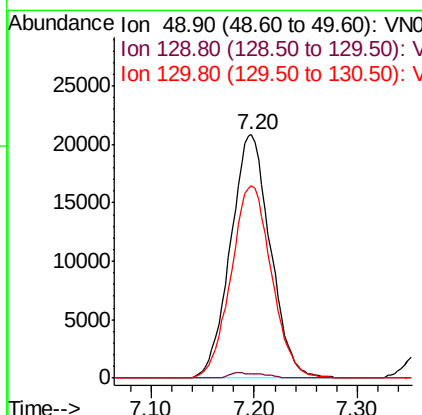
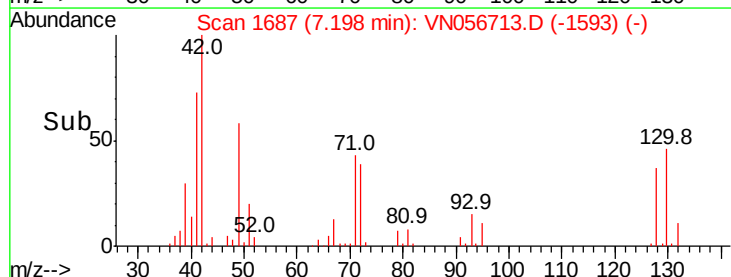
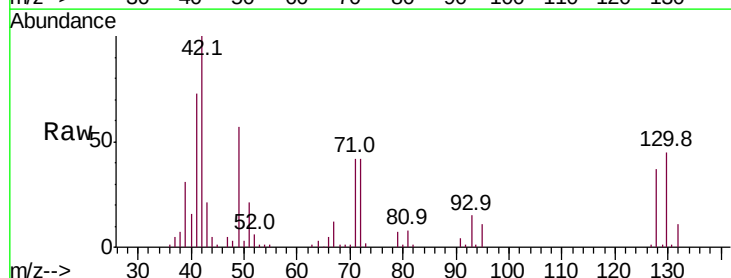
RT: 7.20 min Scan# 1687

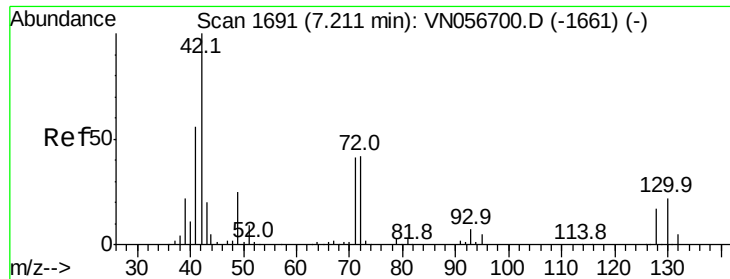
Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Tgt Ion:	49	Resp:	55924
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	80.7	64.7	97.1





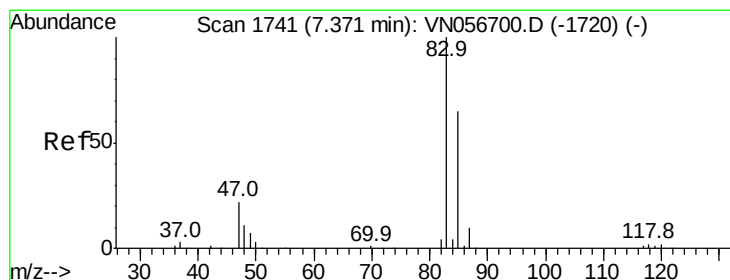
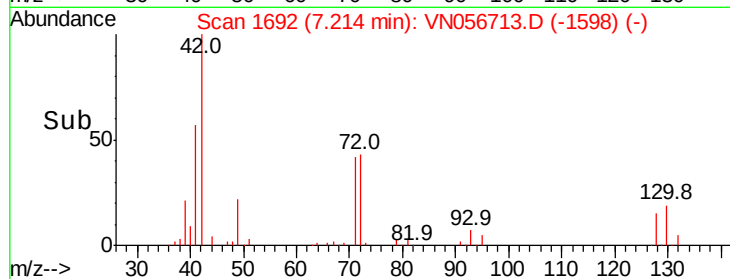
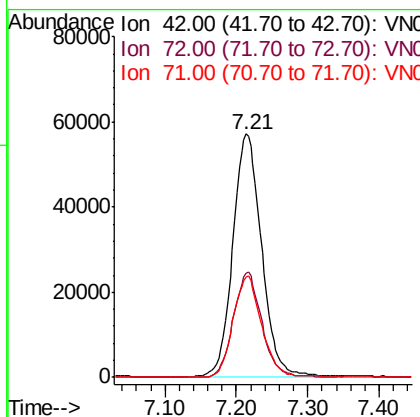
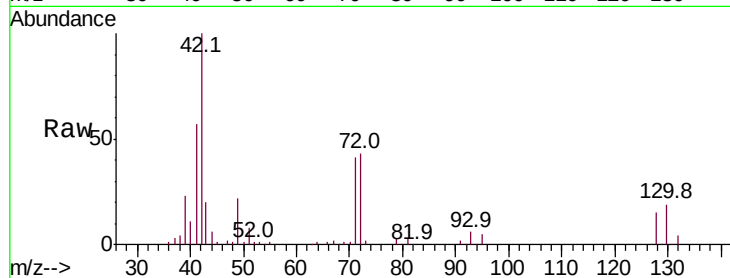
#29
Tetrahydrofuran
Concen: 101.652 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion:	42	Resp:	161764
Ion Ratio		Lower	Upper
42	100		
72	42.4	33.5	50.3
71	40.8	31.8	47.8

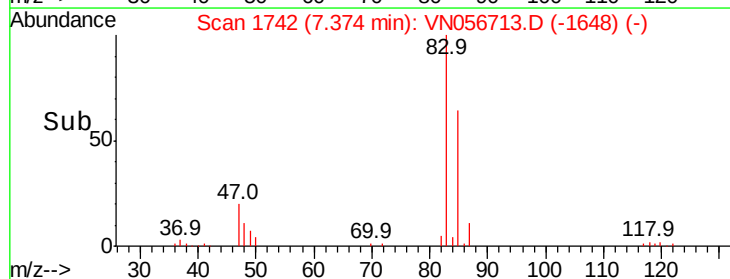
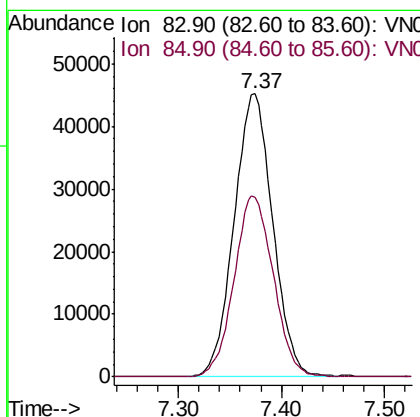
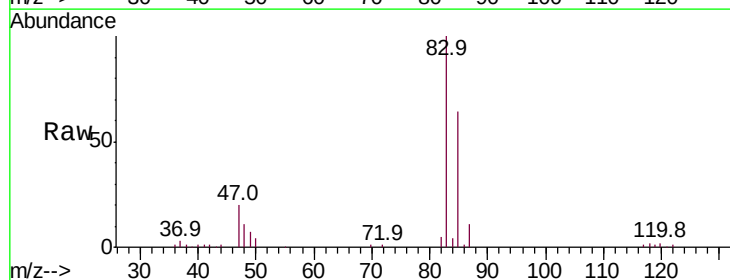
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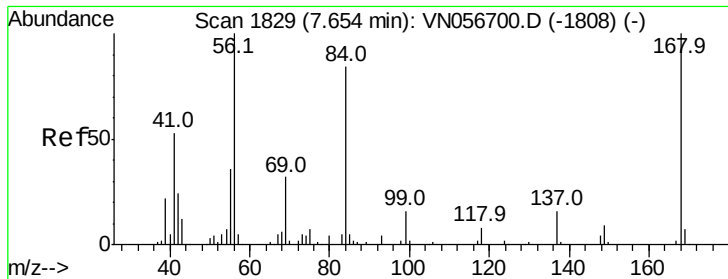
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#30
Chloroform
Concen: 19.336 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion:	83	Resp:	117857
Ion Ratio		Lower	Upper
83	100		
85	63.5	51.9	77.9





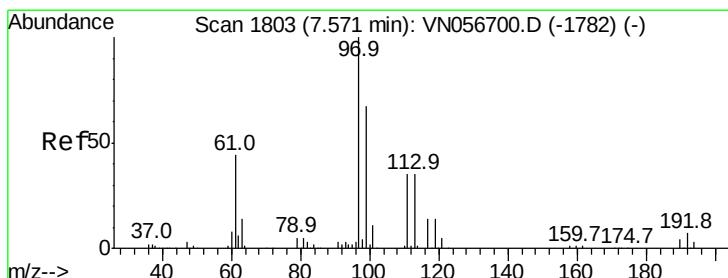
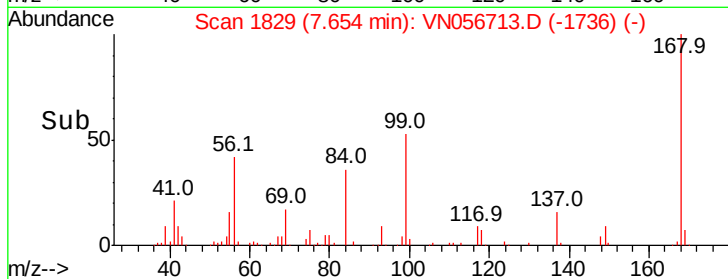
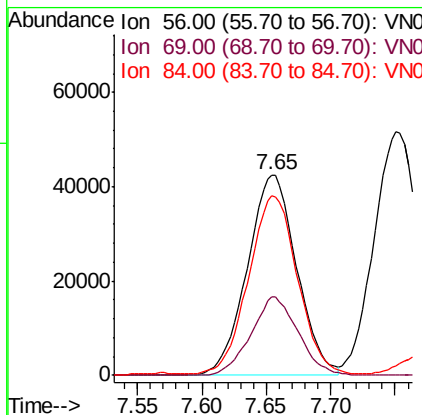
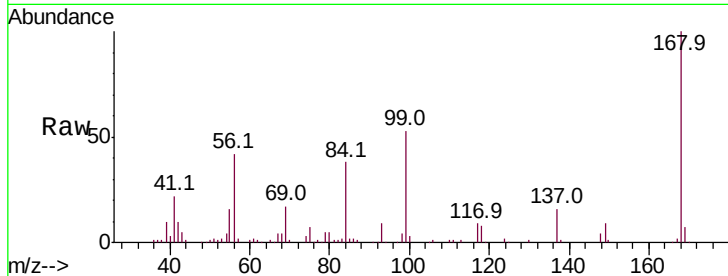
#31
Cyclohexane
Concen: 19.537 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	25.8	38.8#
84	88.6	67.4	101.0

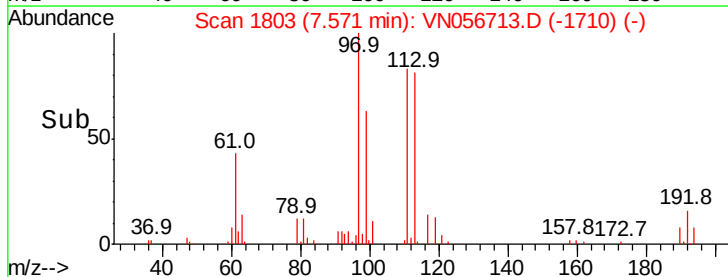
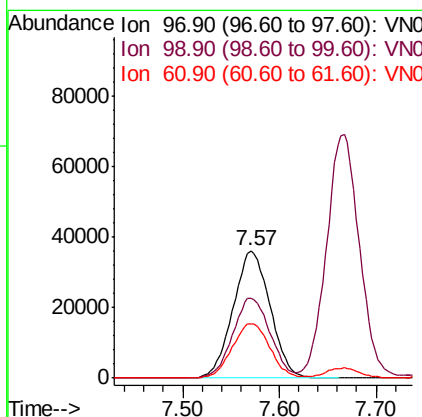
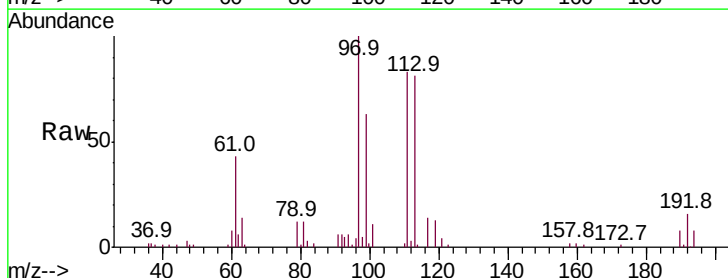
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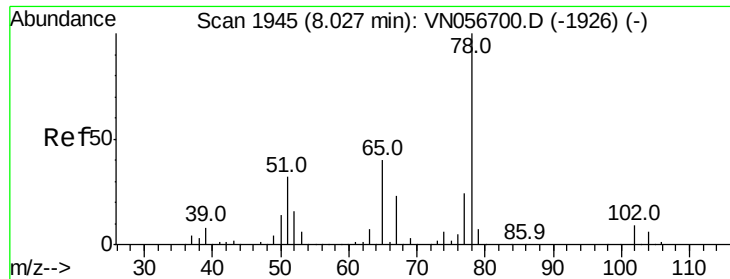
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.918 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	52.0	78.0
61	43.2	34.3	51.5





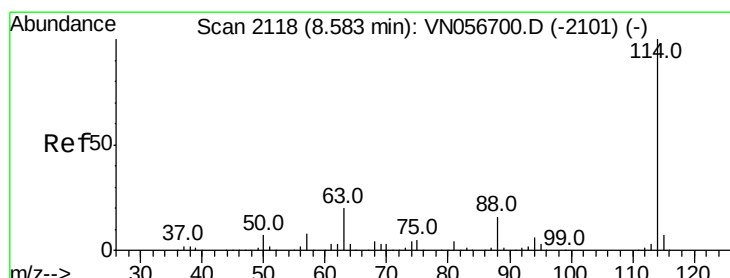
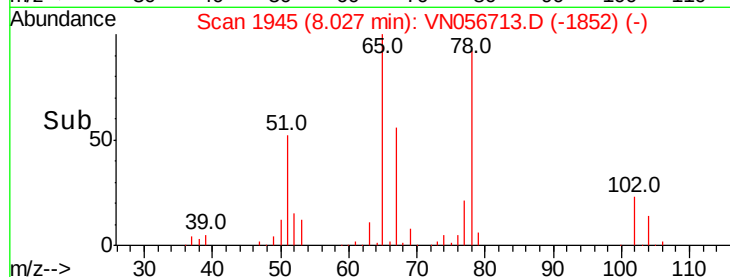
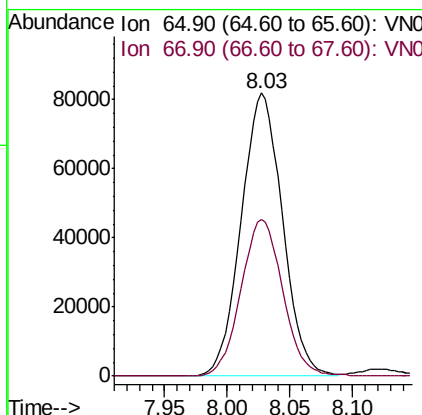
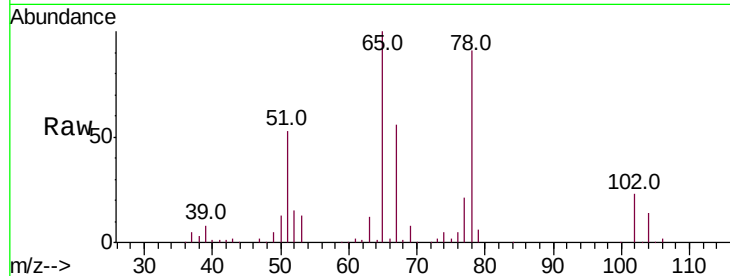
#33
 1,2-Dichloroethane-d4
 Concen: 51.873 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	56.0	0.0	109.0	

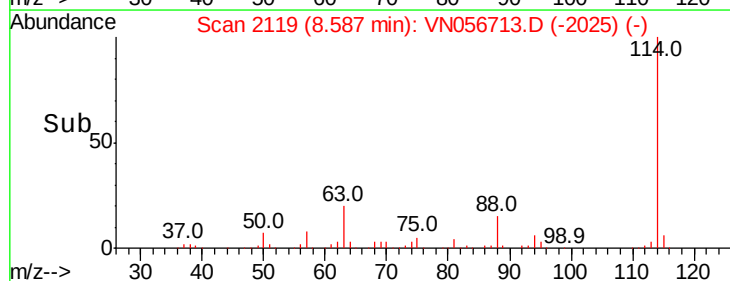
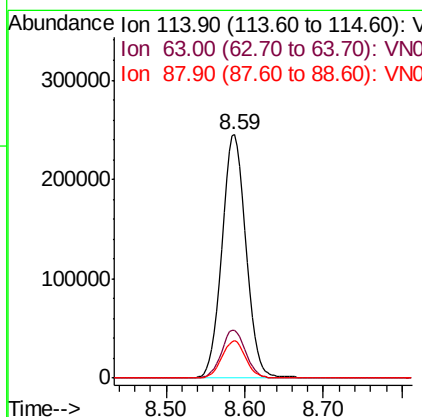
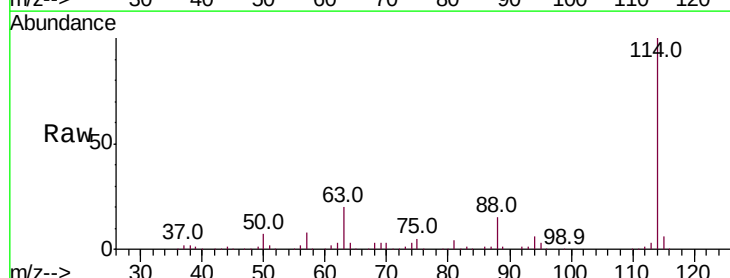
Manual Integrations
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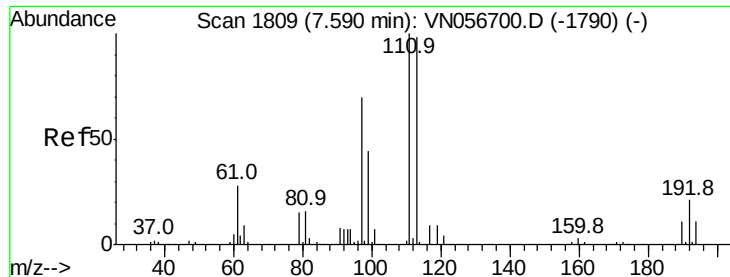
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	39.4	
88	15.3	0.0	31.2	





#35

Dibromofluoromethane

Concen: 51.005 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

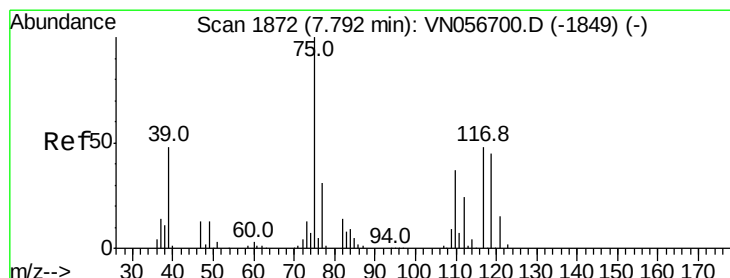
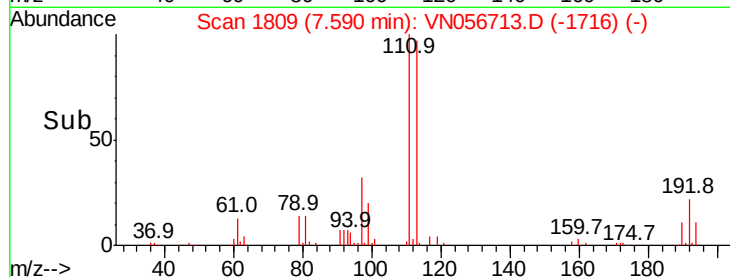
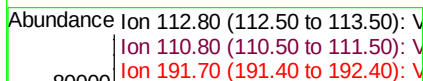
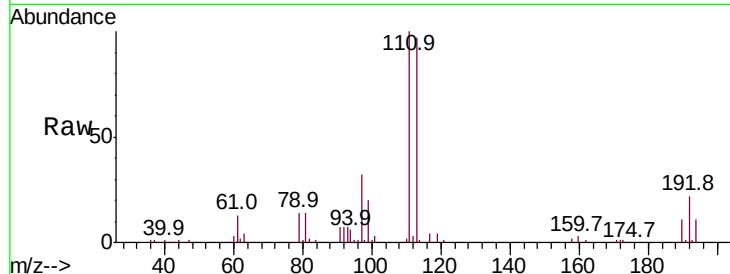
ClientSampleId :

VN0715WBS01

Tot Ion:	113	Resp:	163703
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.8	122.6
192	22.2	17.5	26.3

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7/17/2019 1:32:07 AM



#36

1,1-Dichloropropene

Concen: 18.498 ug/l

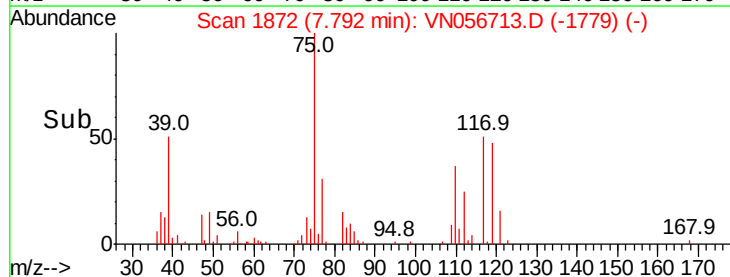
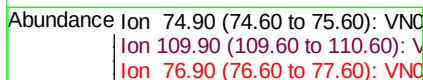
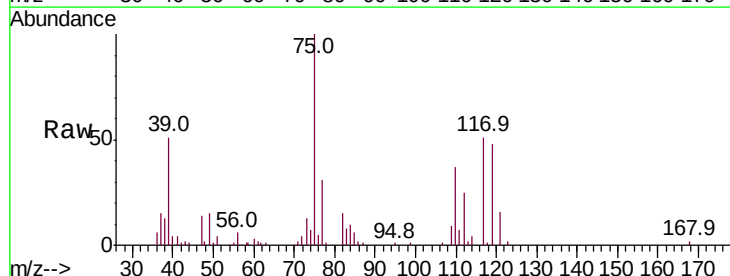
RT: 7.79 min Scan# 1872

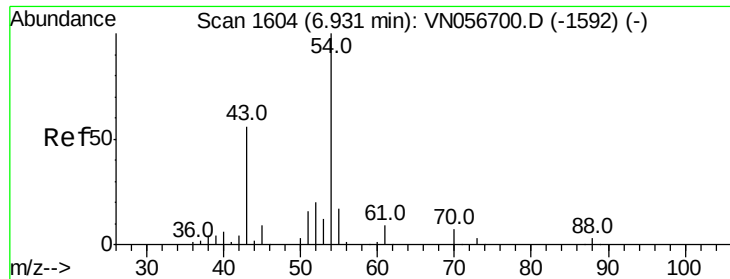
Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Tgt Ion:	75	Resp:	88280
Ion Ratio	Lower	Upper	
75	100		
110	36.1	18.4	55.4
77	30.6	24.6	36.8





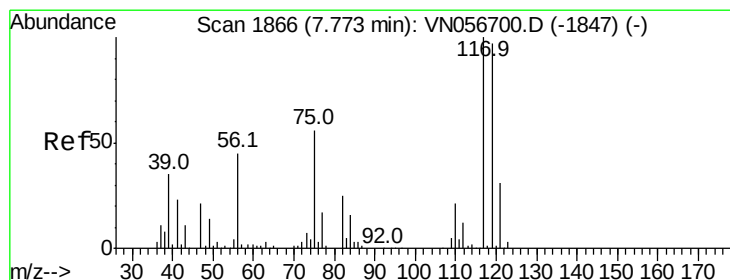
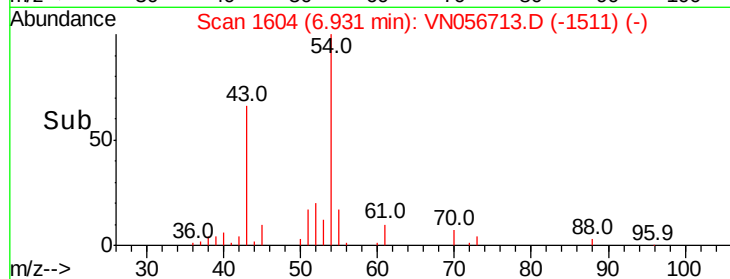
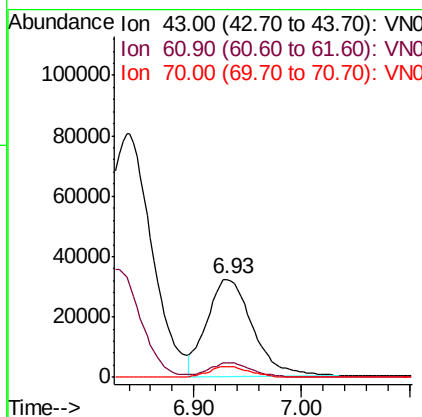
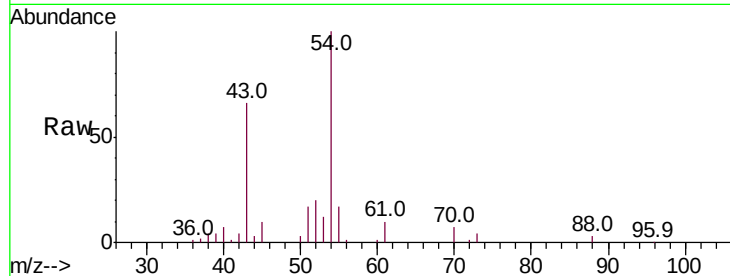
#37
Ethyl Acetate
Concen: 20.014 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	43	61	70
Resp	94141		
Ratio	100	14.5	10.3
Lower		11.3	8.5
Upper		16.9	12.7

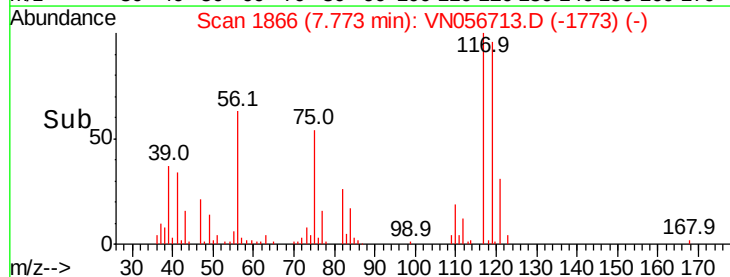
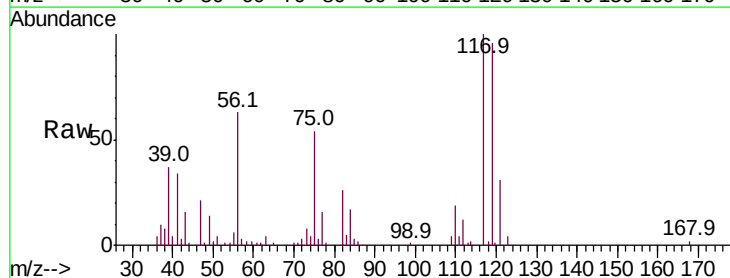
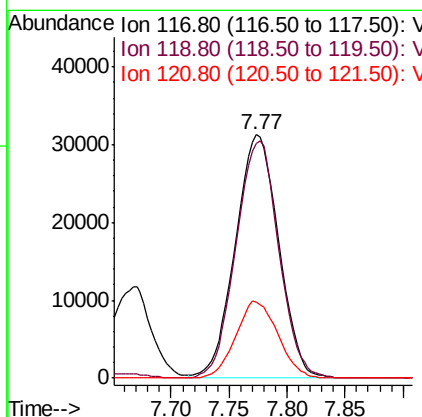
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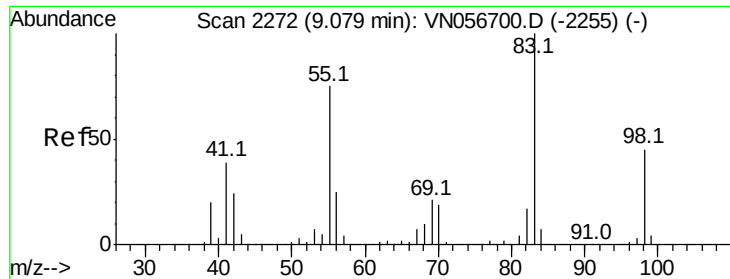
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.176 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	117	119	121
Resp	81351		
Ratio	100	96.3	31.0
Lower		77.5	24.7
Upper		116.3	37.1





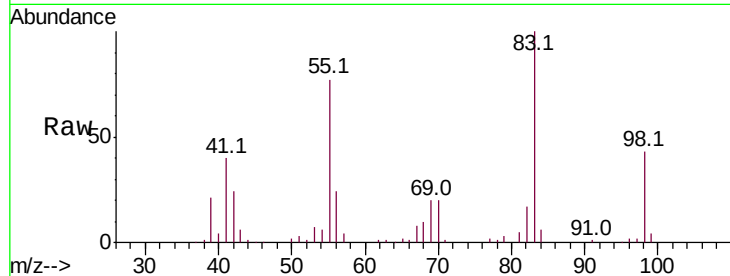
#39
Methylvlcyclohexane
Concen: 18.317 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

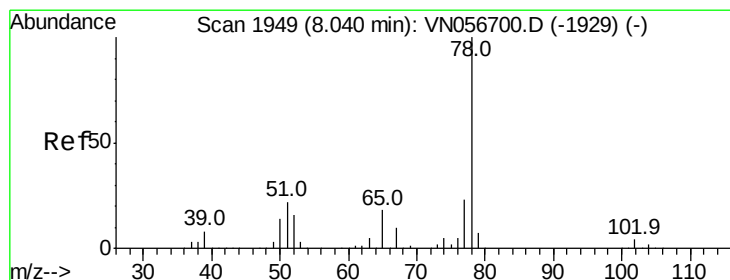
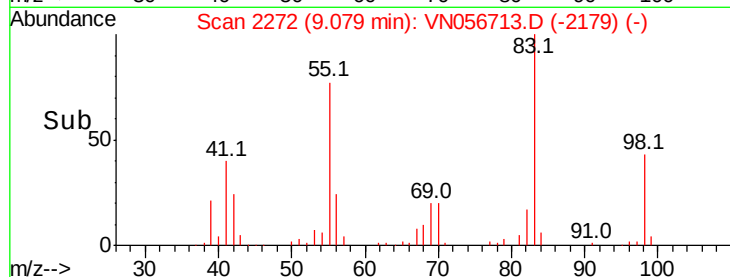
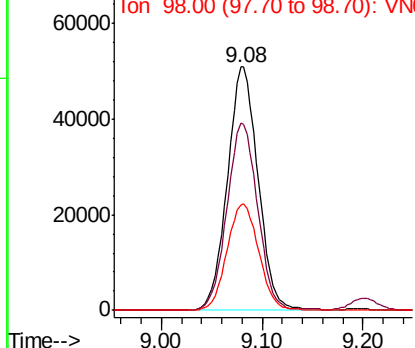
Tot Ion	83	Resp	107940
Ion Ratio	100	Lower	Upper
83	100		
55	76.8	60.4	90.6
98	43.5	35.8	53.8

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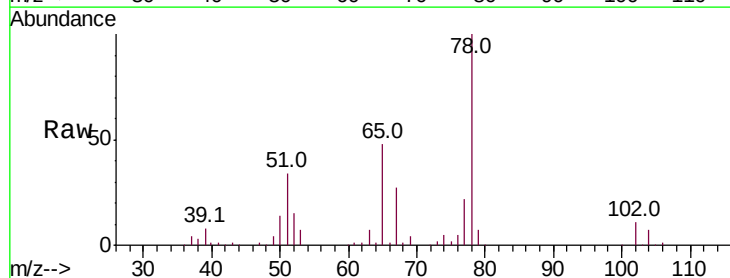


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

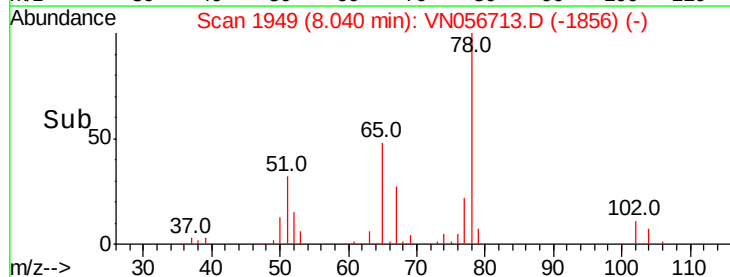
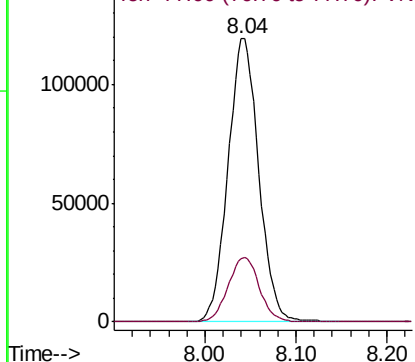


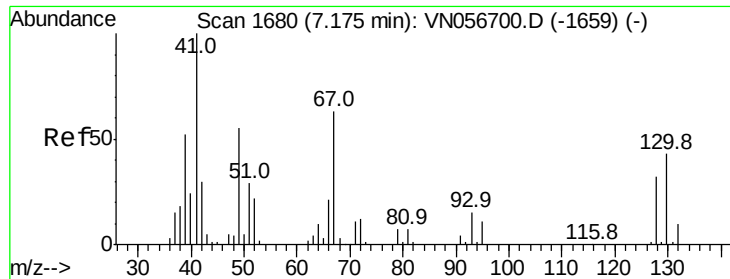
#40
Benzene
Concen: 19.123 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	78	Resp	279644
Ion Ratio	100	Lower	Upper
78	100		
77	22.4	18.6	27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





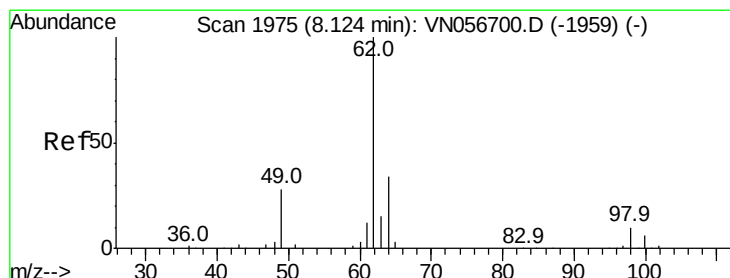
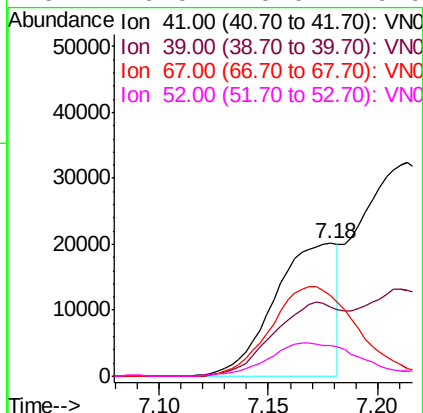
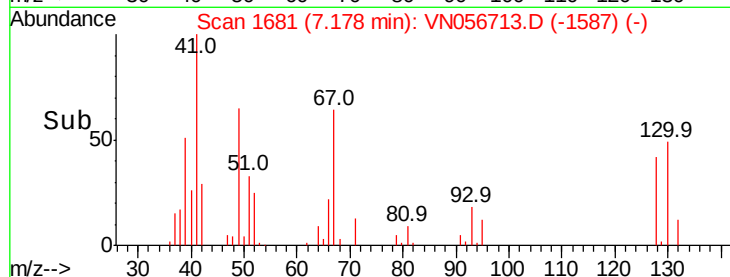
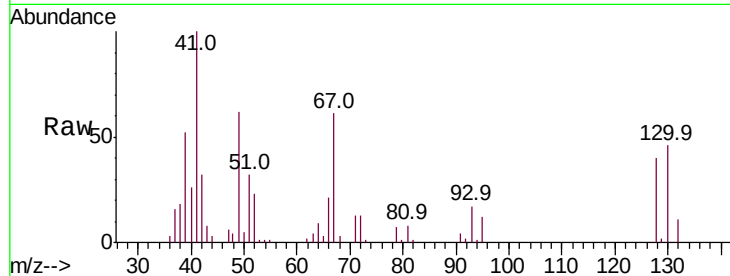
#41
Methacrylonitrile
Concen: 19.616 ug/l m
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	0.0	0.0	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

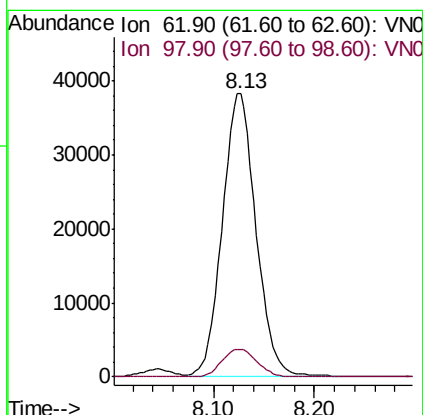
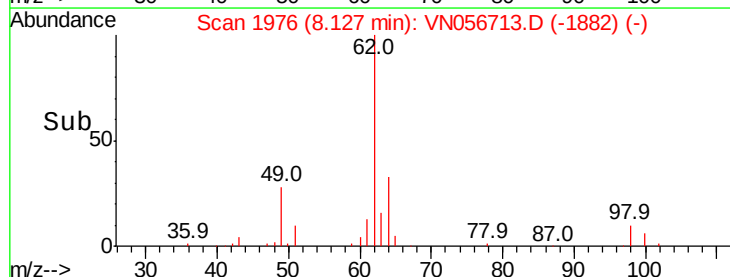
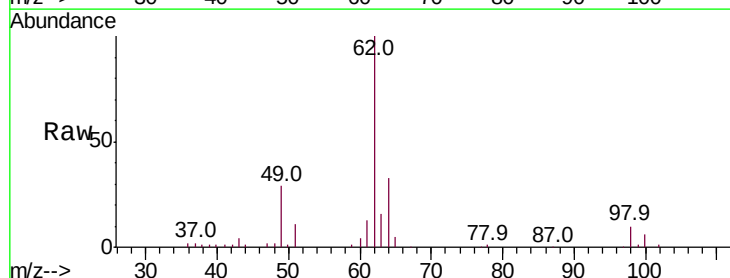
Manual Integrations
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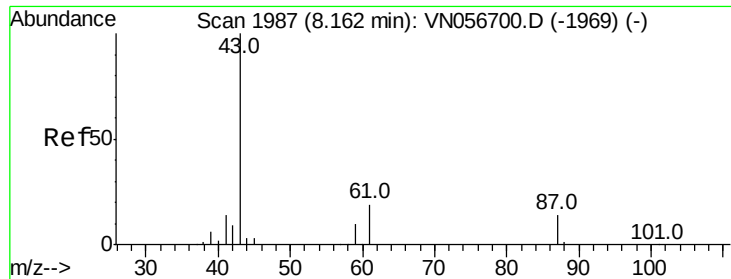
MMDadoda
7/17/2019 1:32:07 AM



#42
1,2-Dichloroethane
Concen: 19.272 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.8	





#43

Isopropyl Acetate

Concen: 19.800 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

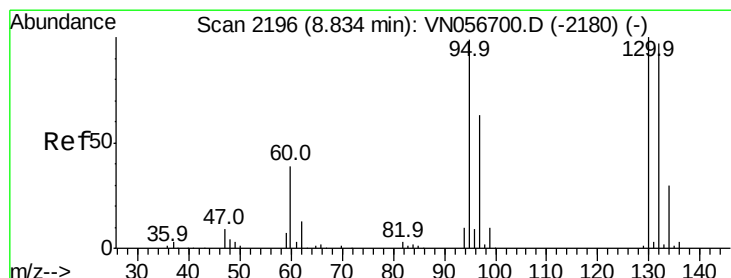
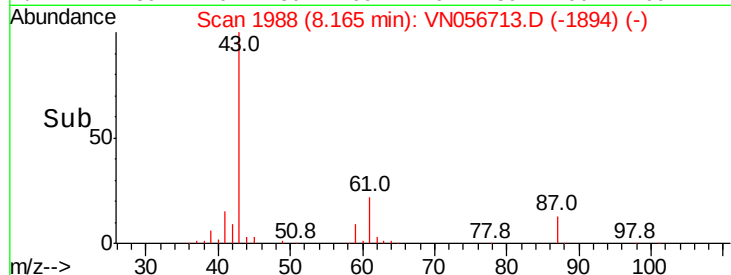
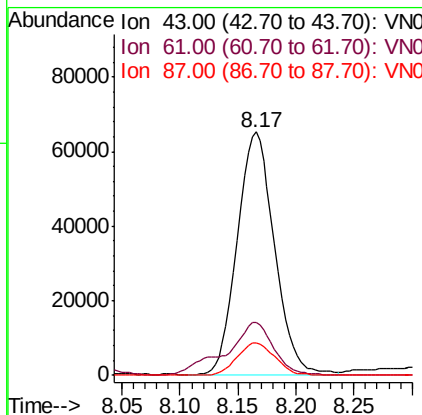
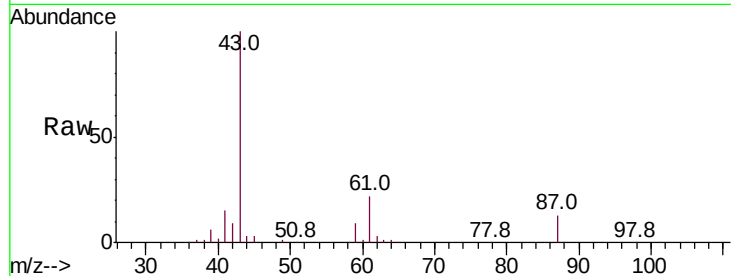
ClientSampleId :

VN0715WBS01

Tot Ion:	43	Resp:	146414
Ion	Ratio	Lower	Upper
43	100		
61	27.7	22.3	33.5
87	13.3	11.1	16.7

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#44

Trichloroethene

Concen: 18.602 ug/l

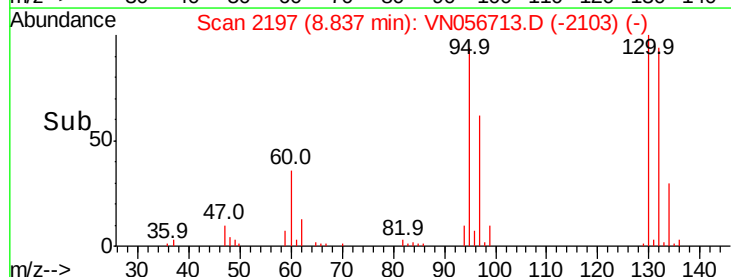
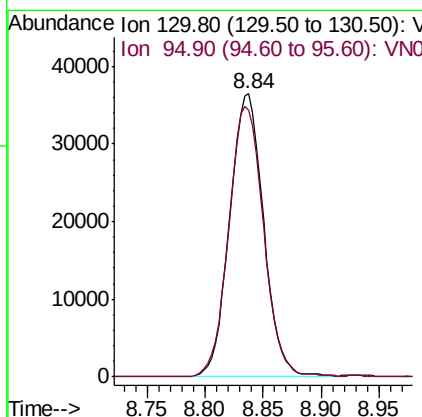
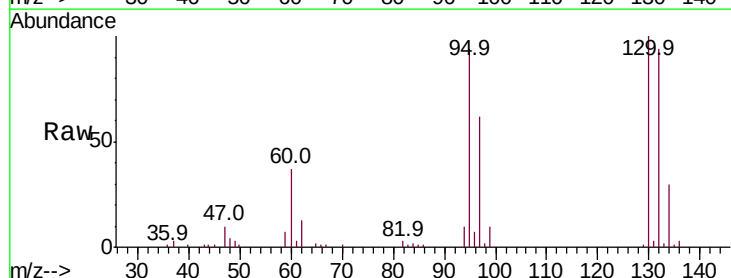
RT: 8.84 min Scan# 2197

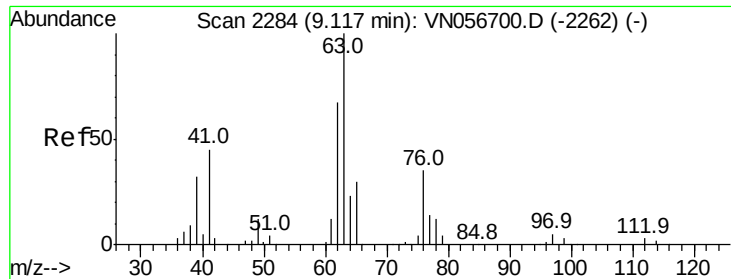
Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Tgt Ion:	130	Resp:	73870
Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	197.2





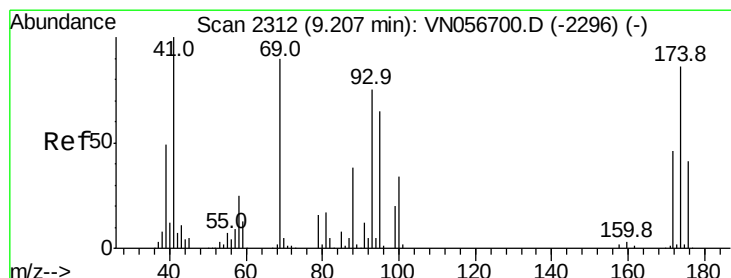
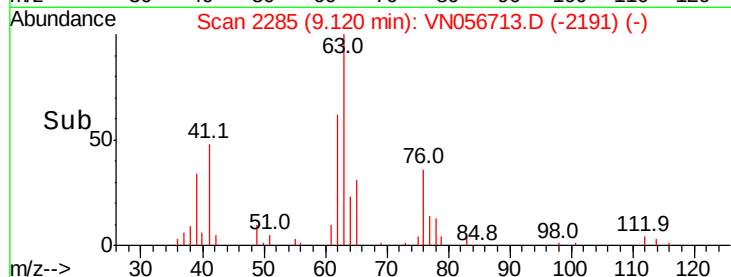
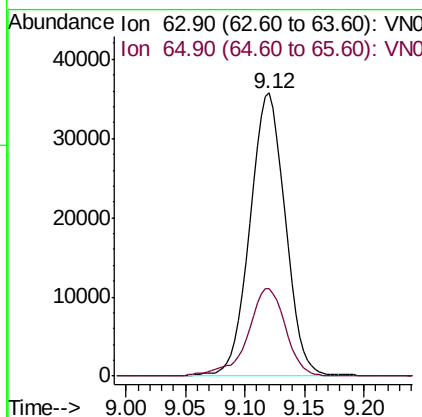
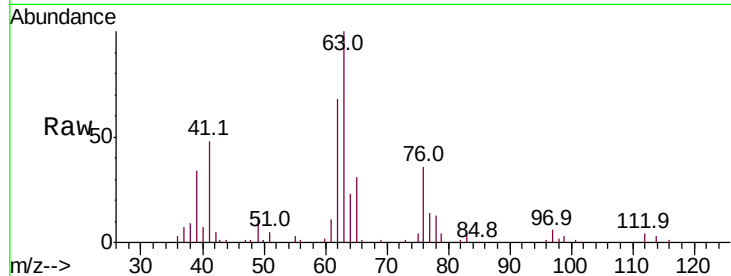
#45
 1,2-Dichloropropane
 Concen: 19.003 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS01

Tot Ion: 63 Resp: 73839
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.0 36.0

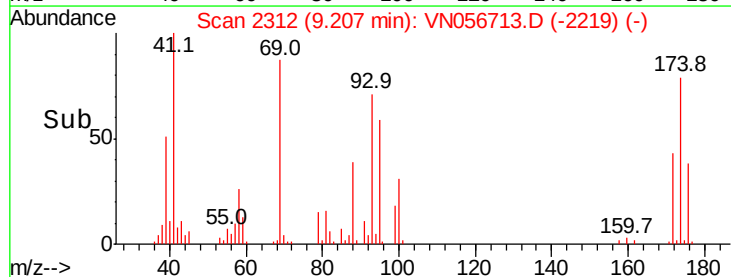
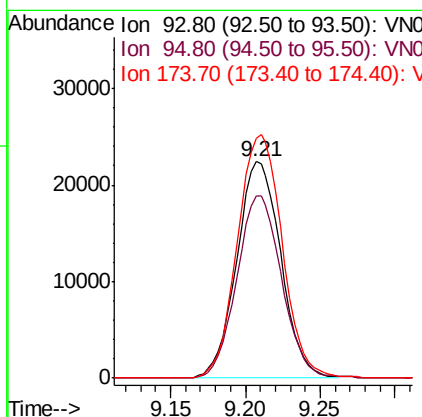
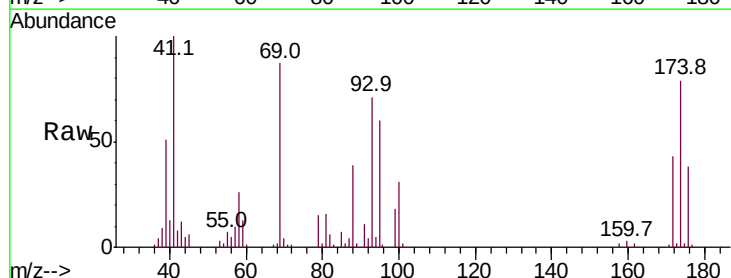
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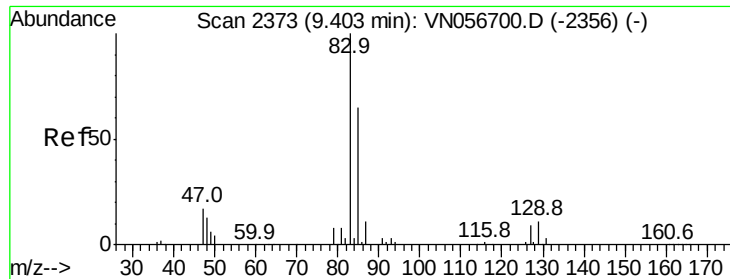
MMDadoda
 7/17/2019 1:32:07 AM



#46
 Dibromomethane
 Concen: 19.171 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Tgt Ion: 93 Resp: 46163
 Ion Ratio Lower Upper
 93 100
 95 85.4 67.4 101.0
 174 113.9 90.3 135.5





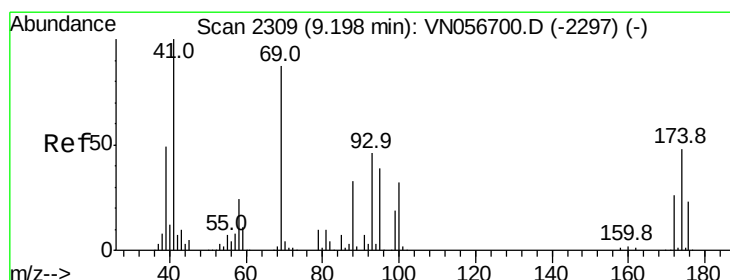
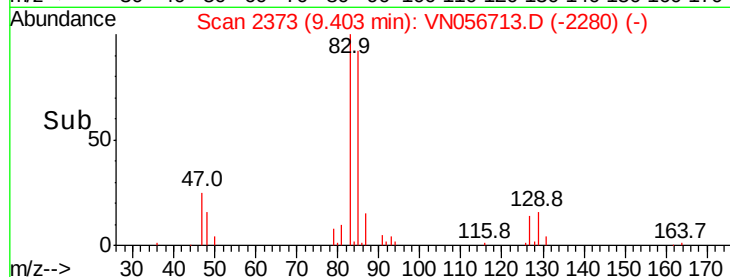
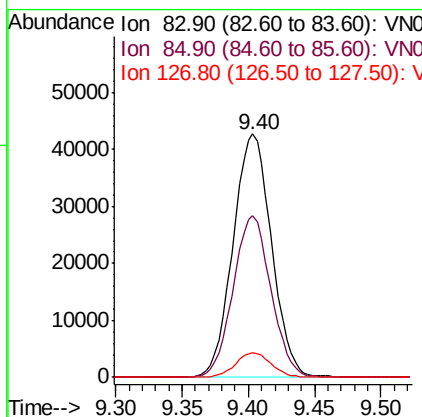
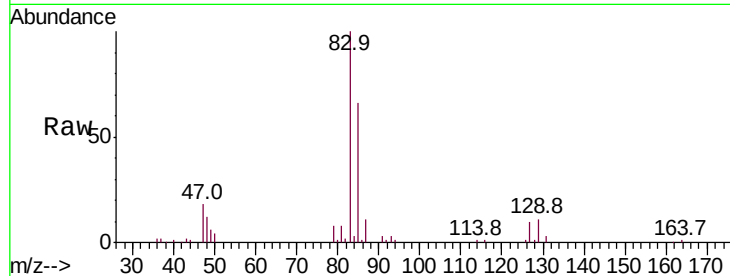
#47
Bromodichloromethane
Concen: 18.790 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	83	Resp	85977
Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.3	78.5
127	10.0	7.6	11.4

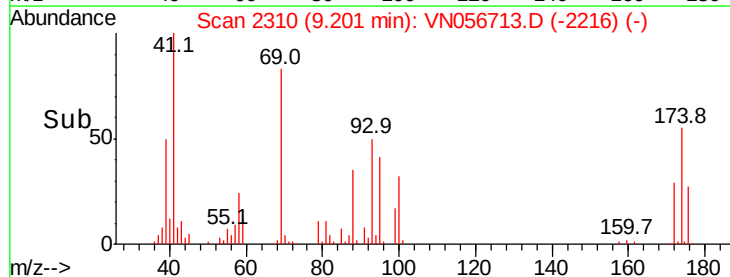
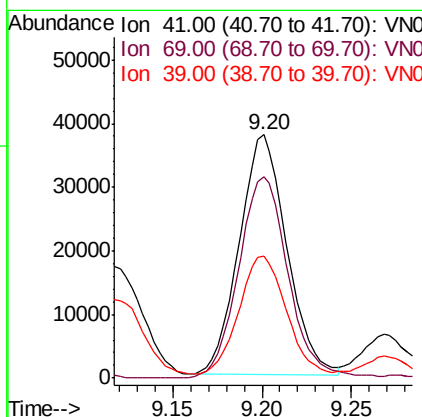
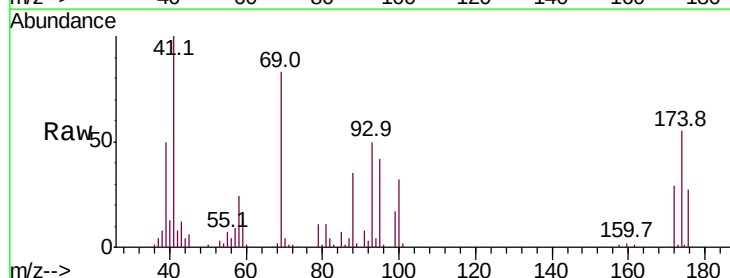
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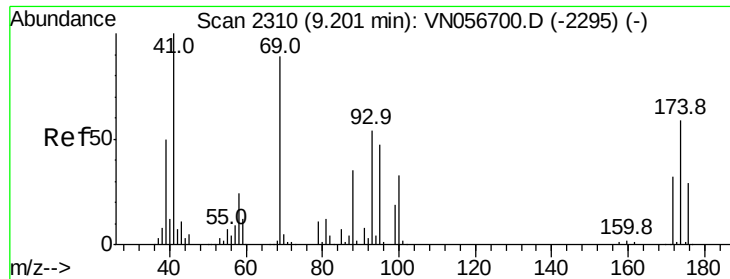
MMDadoda
7/17/2019 1:32:07 AM



#48
Methyl methacrylate
Concen: 19.619 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	41	Resp	70161
Ion	Ratio	Lower	Upper
41	100		
69	87.5	71.4	107.0
39	51.9	41.2	61.8





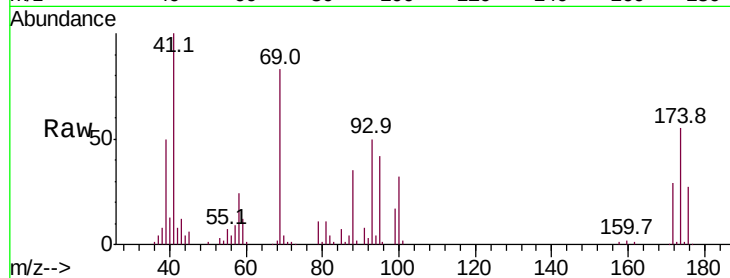
#49
1,4-Dioxane
Concen: 414.286 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	88	Resp	30400
Ion	Ratio	Lower	Upper
88	100		
43	26.6	23.7	35.5
58	69.0	55.6	83.4

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MMDadoda
7/17/2019 1:32:07 AM

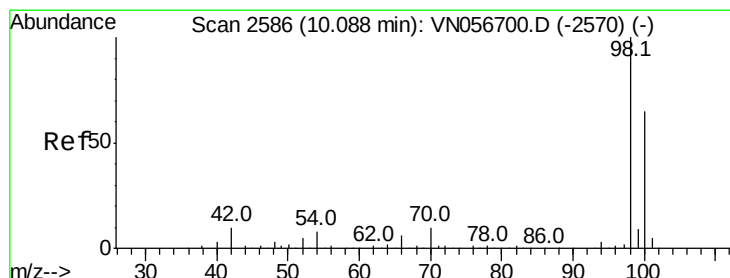
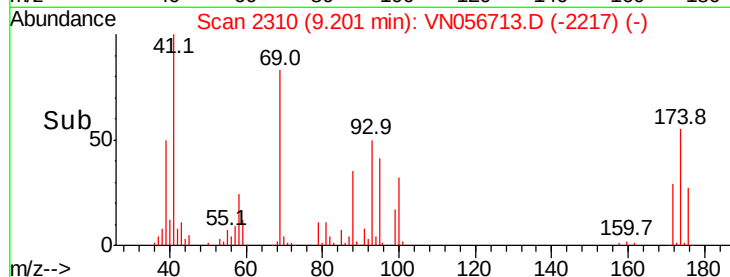
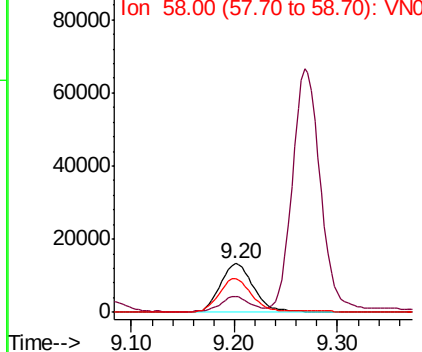


Abundance

Ion 88.00 (87.70 to 88.70): VN0

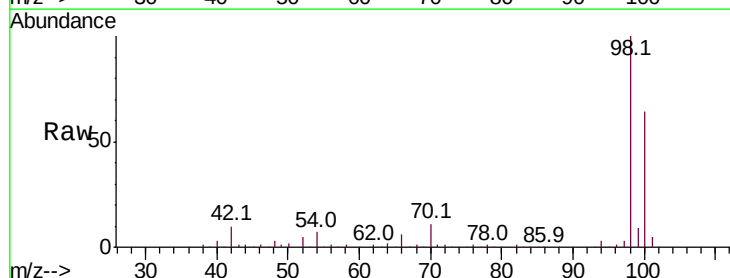
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.820 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

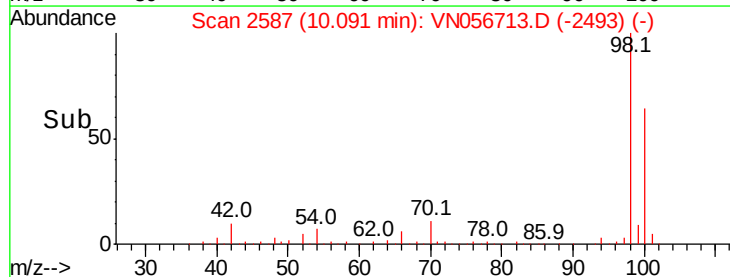
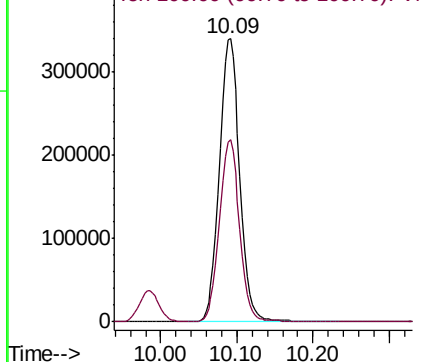
Tgt Ion	98	Resp	629971
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0

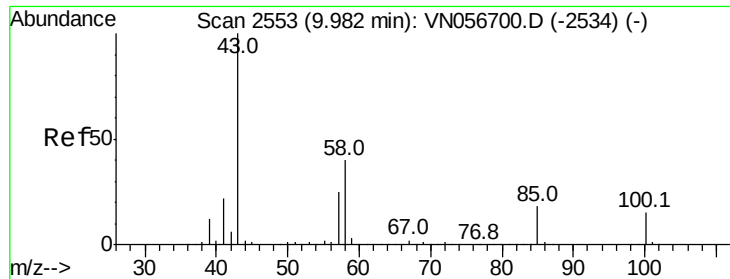


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





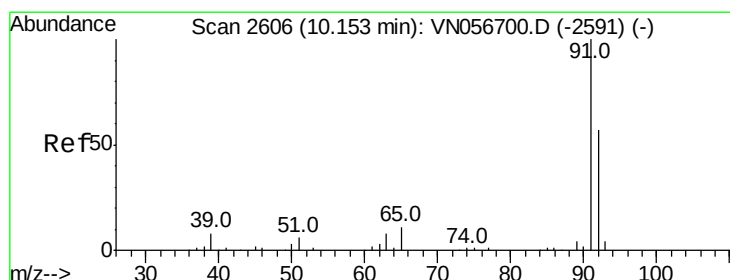
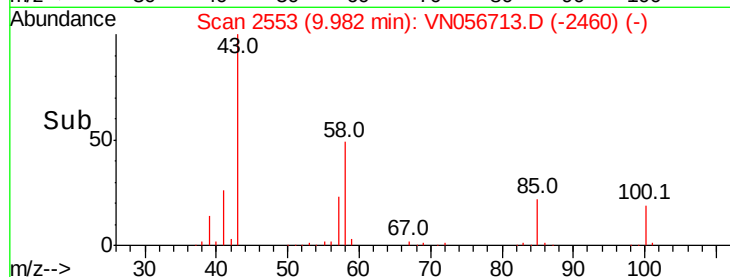
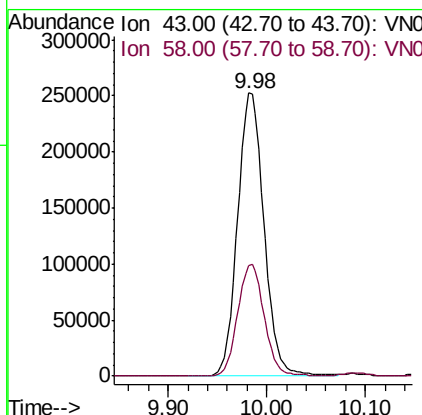
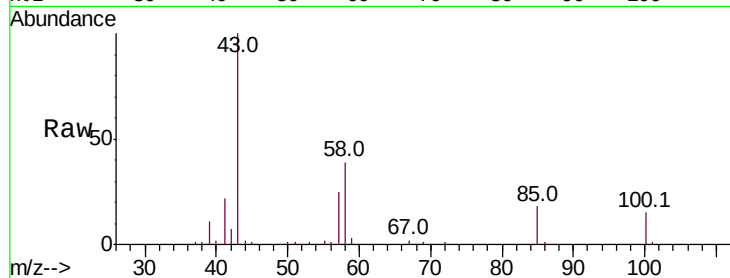
#51
4-Methyl-2-Pentanone
Concen: 98.310 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion: 43 Resp: 470850
Ion Ratio Lower Upper
43 100
58 39.5 32.0 48.0

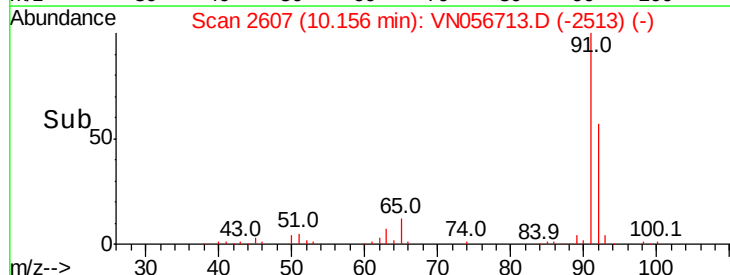
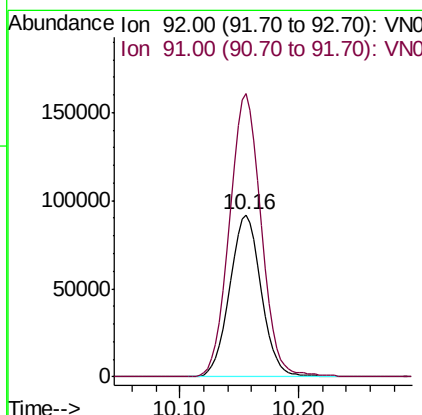
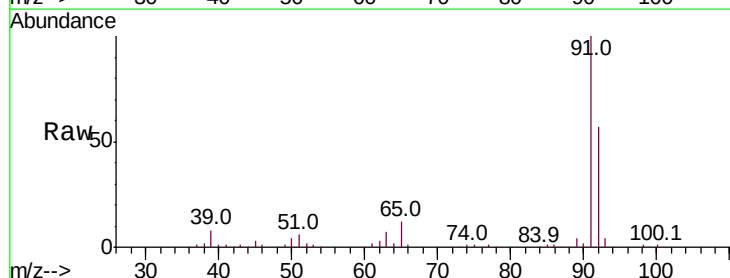
Manual Integrations
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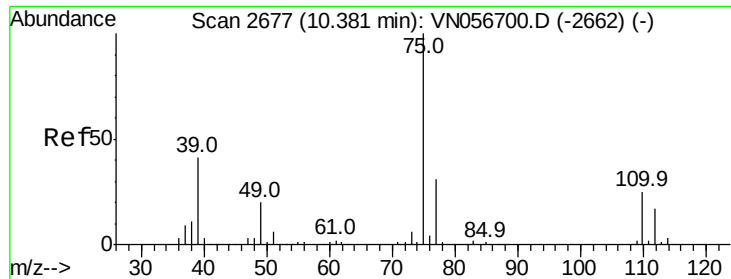
MMDadoda
7/17/2019 1:32:07 AM



#52
Toluene
Concen: 19.455 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion: 92 Resp: 168958
Ion Ratio Lower Upper
92 100
91 176.0 139.9 209.9





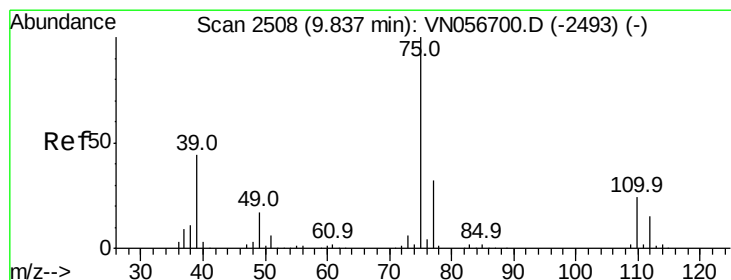
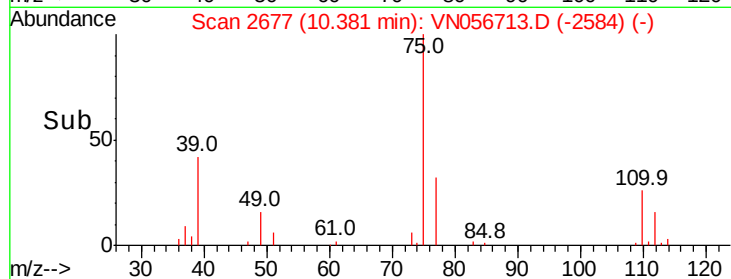
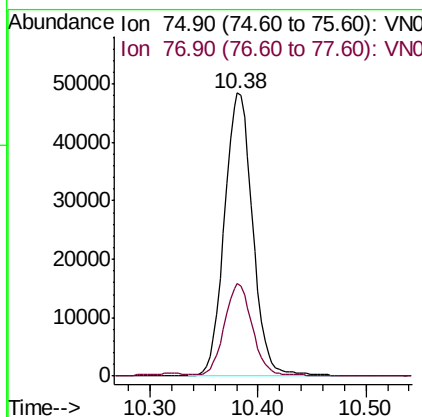
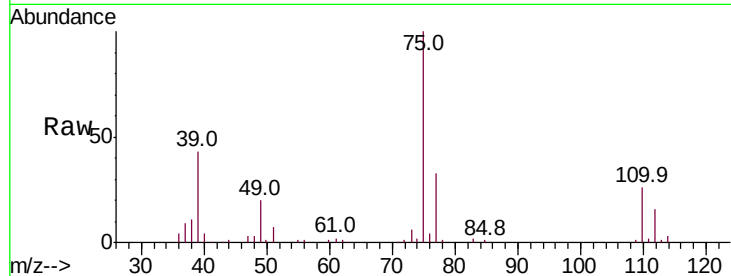
#53
t-1,3-Dichloropropene
Concen: 18.494 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion: 75 Resp: 88287
Ion Ratio Lower Upper
75 100
77 32.6 25.0 37.6

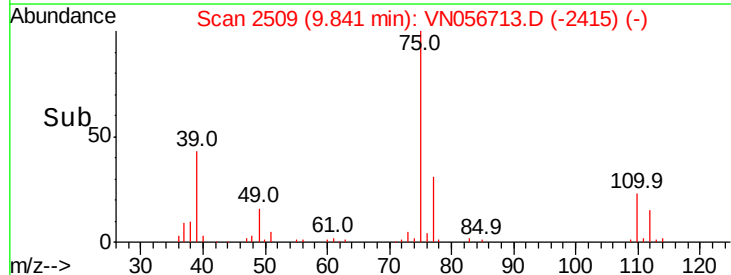
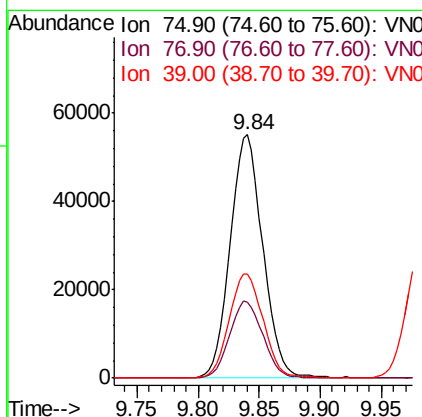
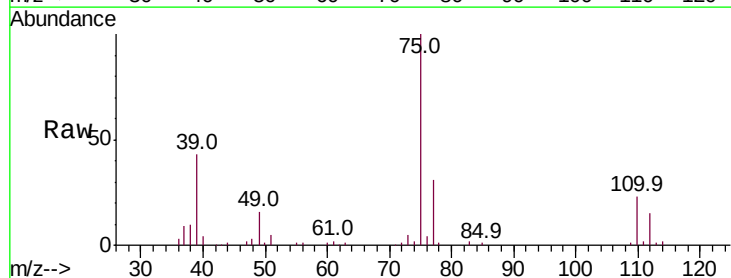
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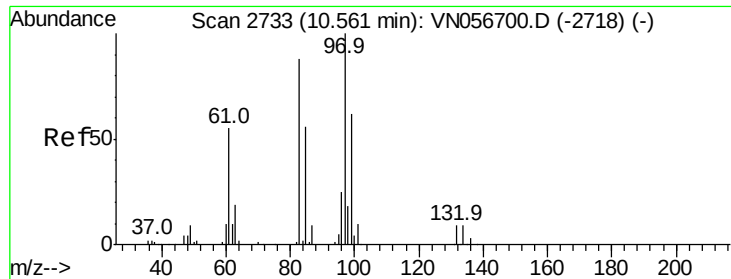
MMDadoda
7/17/2019 1:32:07 AM



#54
cis-1,3-Dichloropropene
Concen: 18.549 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion: 75 Resp: 102758
Ion Ratio Lower Upper
75 100
77 31.3 26.0 39.0
39 42.9 35.1 52.7





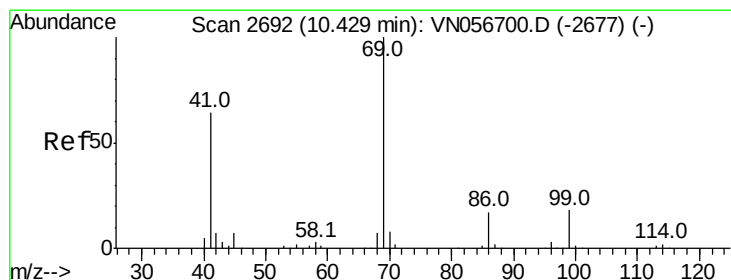
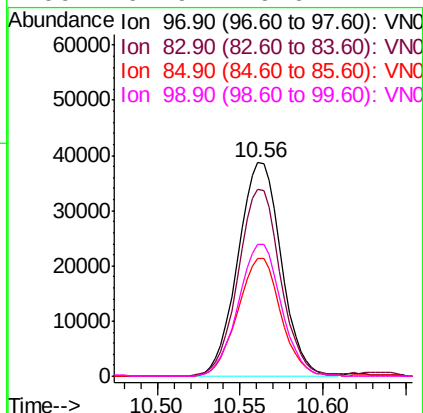
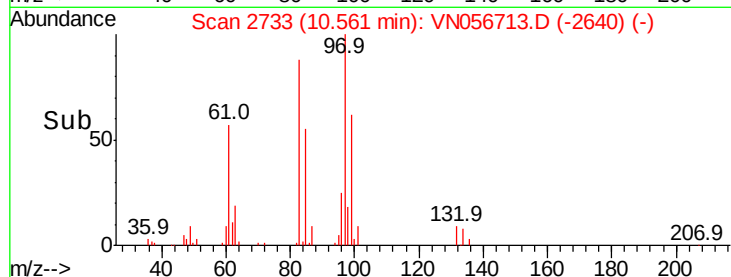
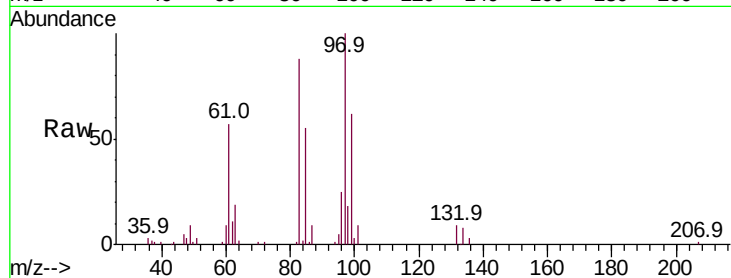
#55
 1,1,2-Trichloroethane
 Concen: 19.331 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.8	70.3	105.5	
85	55.0	44.8	67.2	
99	61.9	49.6	74.4	

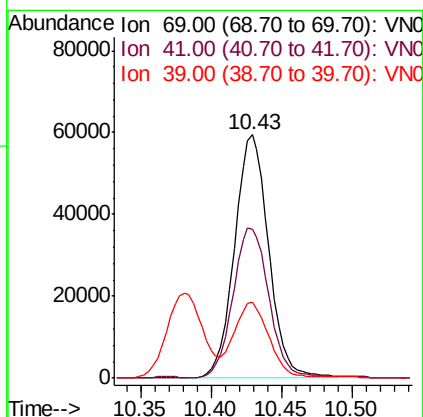
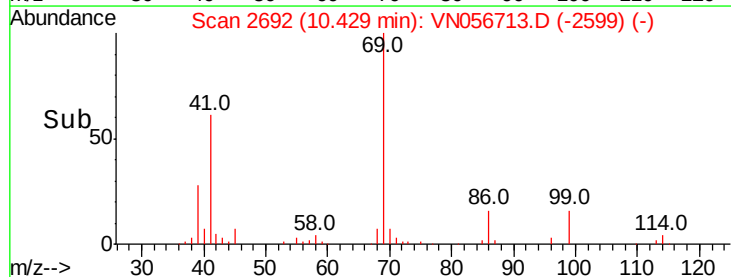
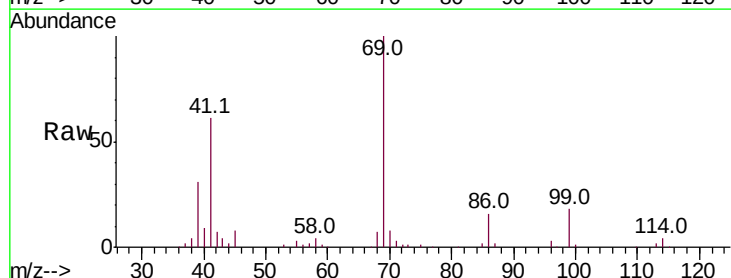
Manual Integrations
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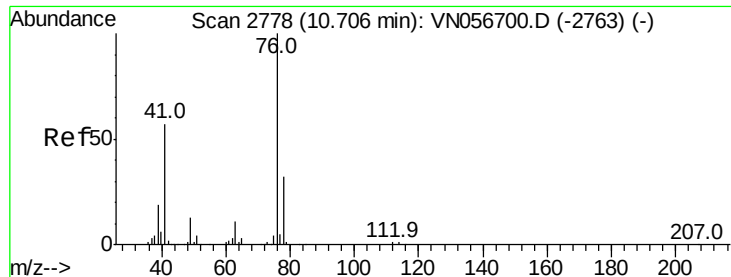
MMDadoda
 7/17/2019 1:32:07 AM



#56
 Ethyl methacrylate
 Concen: 19.291 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	64.2	51.0	76.4	
39	30.6	24.6	36.8	





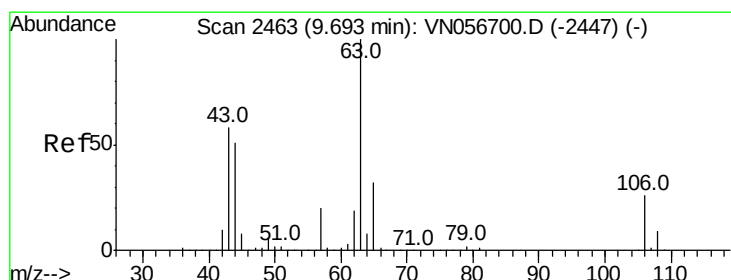
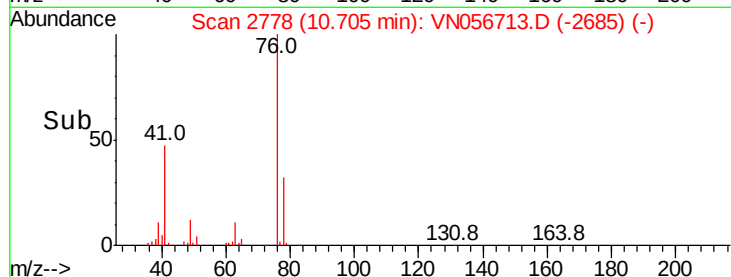
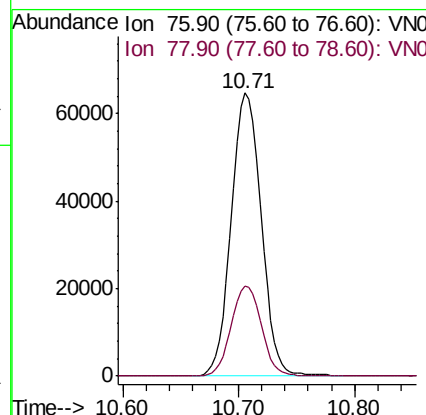
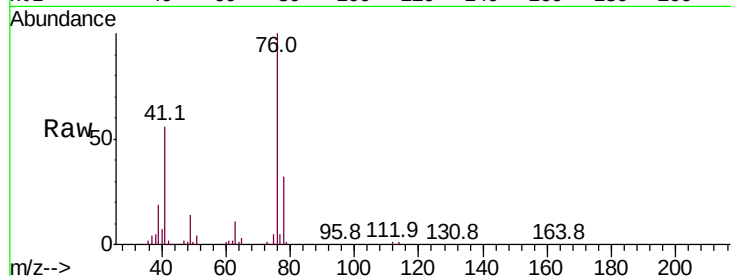
#57
 1,3-Dichloropropane
 Concen: 19.483 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS01

Tot Ion: 76 Resp: 115906
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0

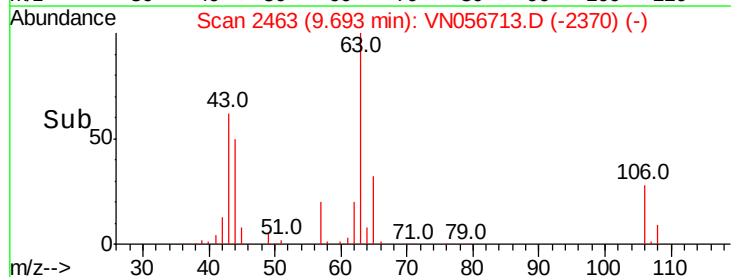
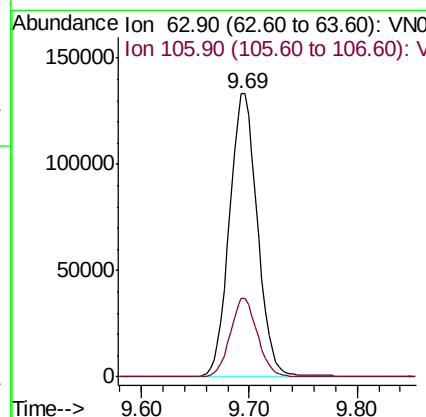
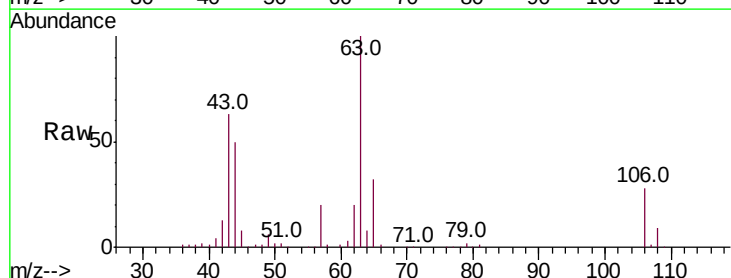
Manual Integrations
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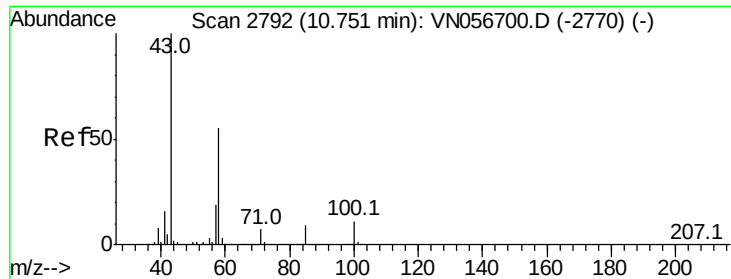
MMDadoda
 7/17/2019 1:32:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.957 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Tgt Ion: 63 Resp: 241838
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.2 31.8





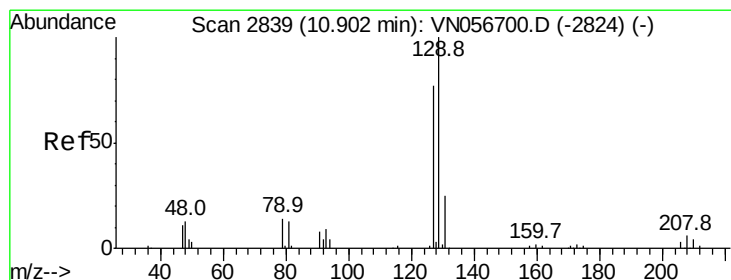
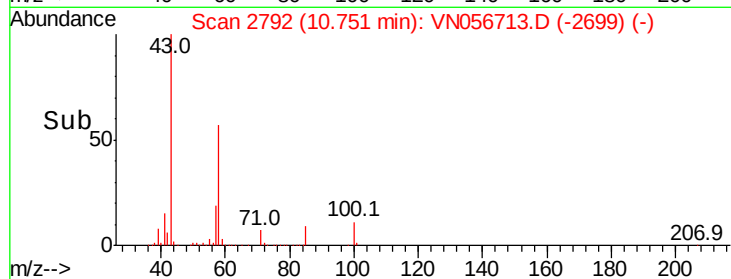
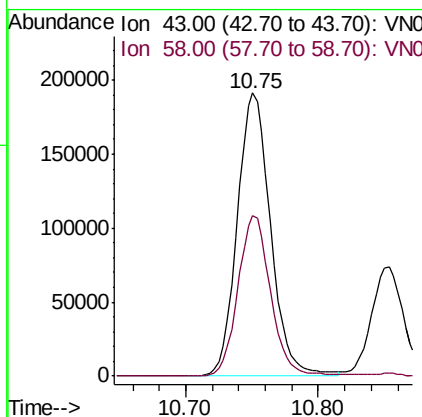
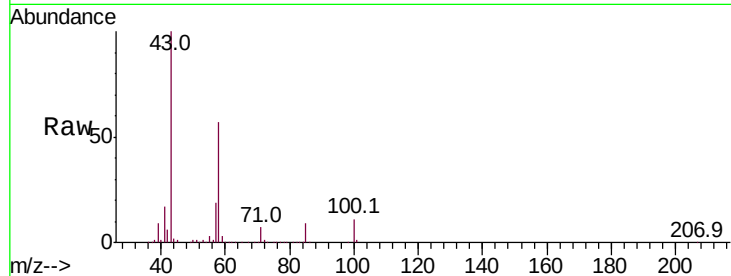
#59
2-Hexanone
Concen: 96.855 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	43	58	Ratio	100	Resp	332852	Lower	Upper
43	100							
58	55.9				27.9		83.6	

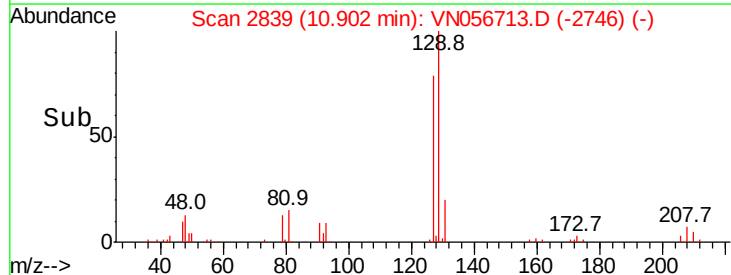
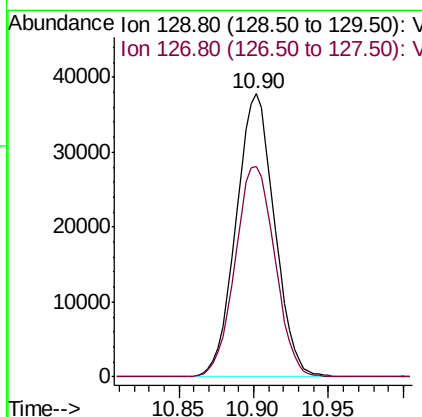
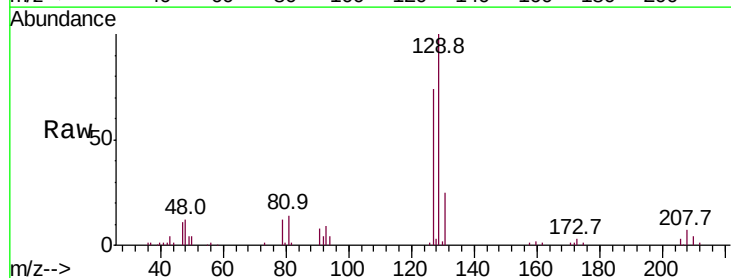
Manual Integrations
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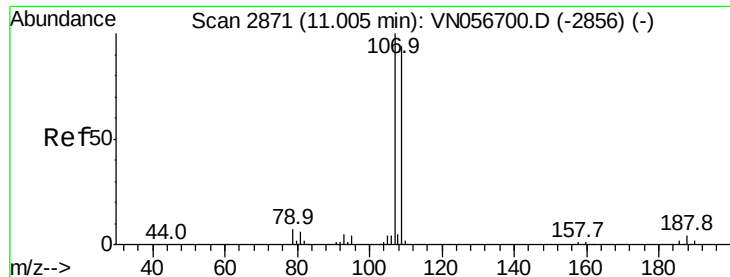
MMDadoda
7/17/2019 1:32:07 AM



#60
Dibromochloromethane
Concen: 18.885 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	129	127	Ratio	100	Resp	67654	Lower	Upper
129	100							
127	76.8				38.2		114.6	





#61

1,2-Dibromoethane

Concen: 19.879 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion:107 Resp: 71963

Ion Ratio Lower Upper

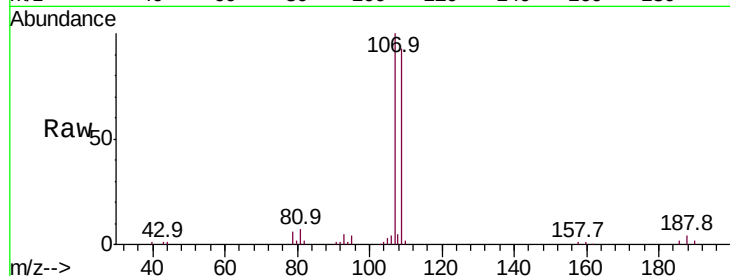
107 100

109 93.1 76.2 114.4

Manual Integrations
APPROVED

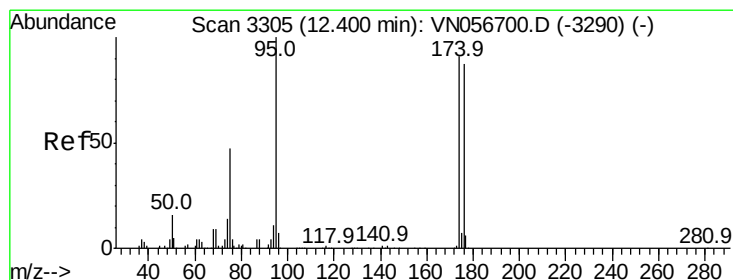
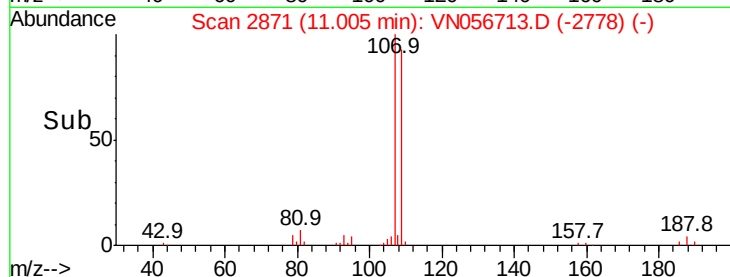
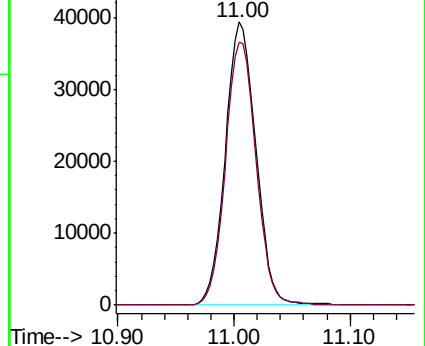
MMDadoda

7/17/2019 1:32:07 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.527 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

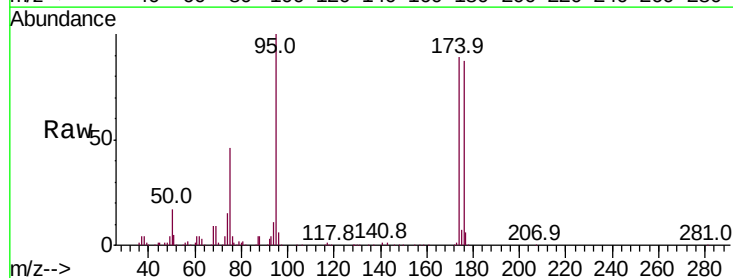
Tgt Ion: 95 Resp: 202861

Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.0

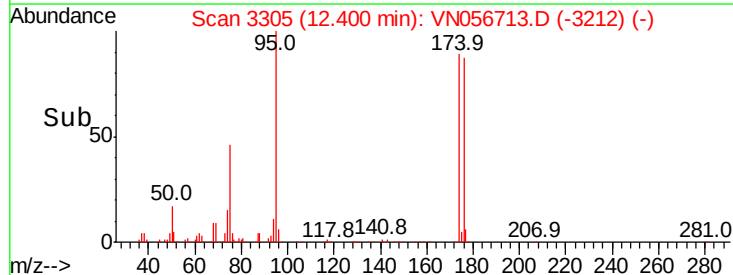
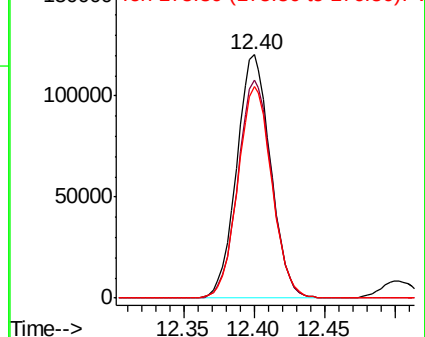
176 87.3 0.0 173.2

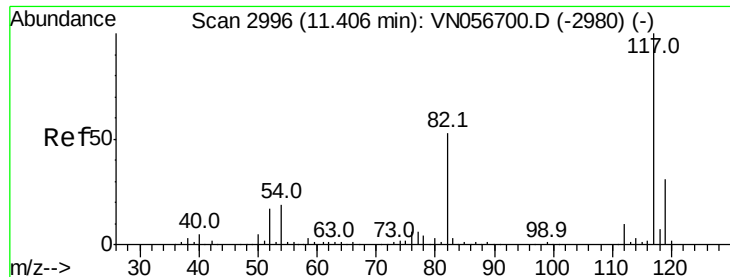


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





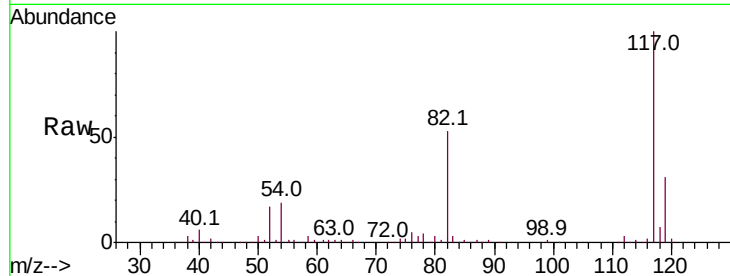
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.2	63.2
119	31.5	25.2	37.8

Manual Integrations
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7/17/2019 1:32:07 AM

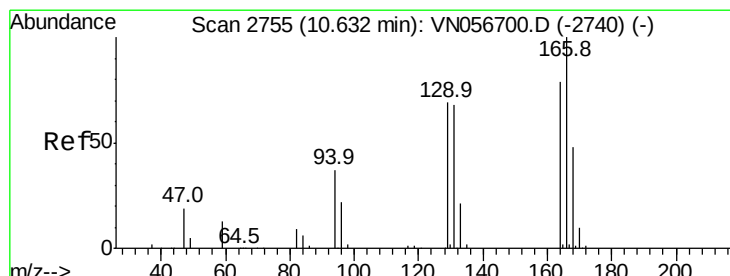
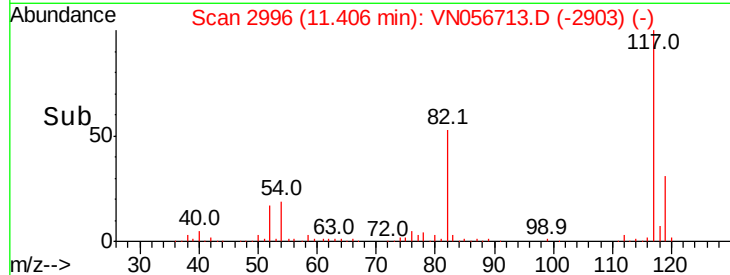
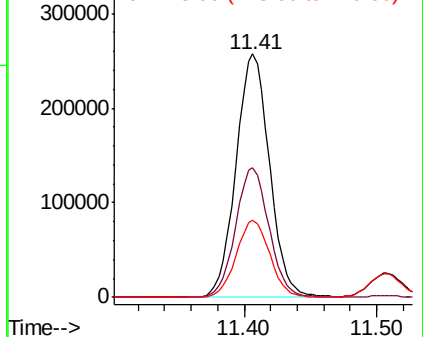


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.489 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.4	152.2
129	90.4	69.6	104.4
131	86.3	69.0	103.4

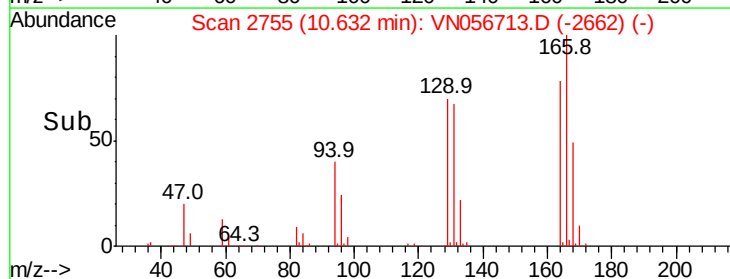
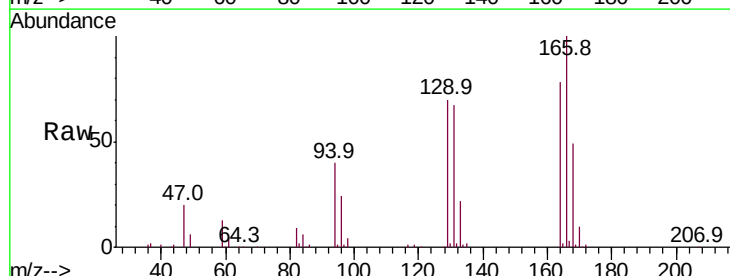
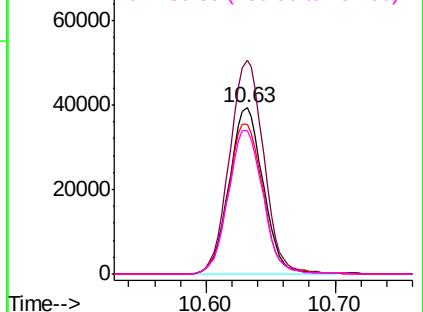
Abundance

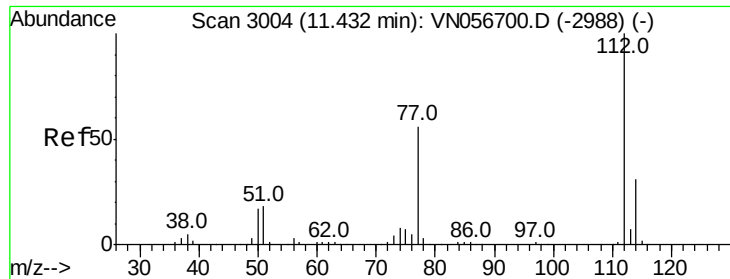
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





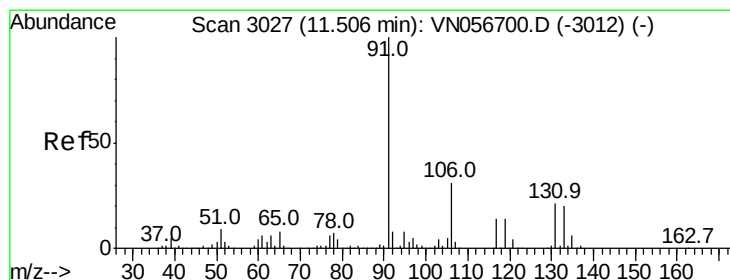
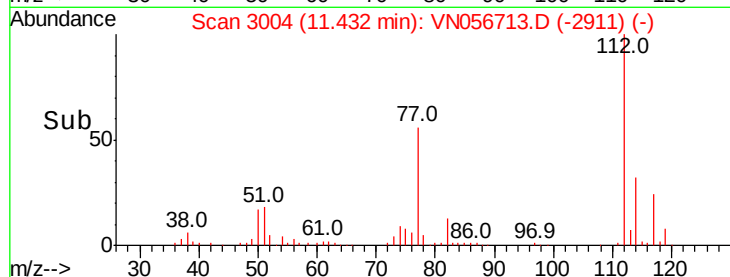
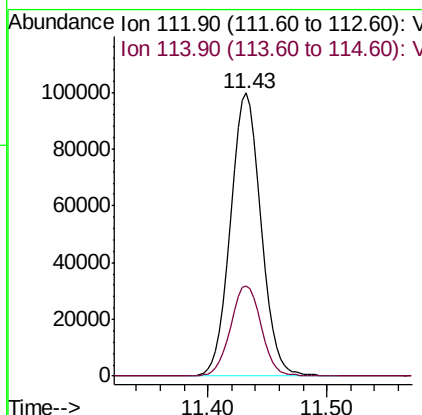
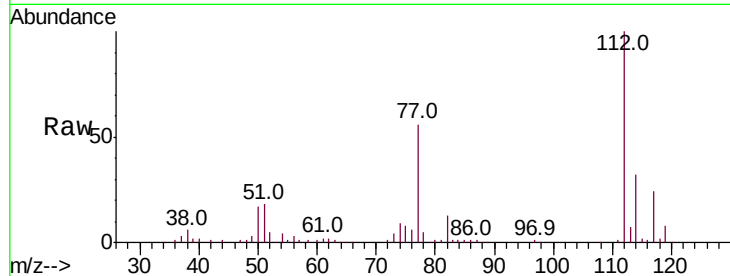
#65
Chlorobenzene
Concen: 19.154 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0715WBS01

Tot Ion:112 Resp: 177244
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8

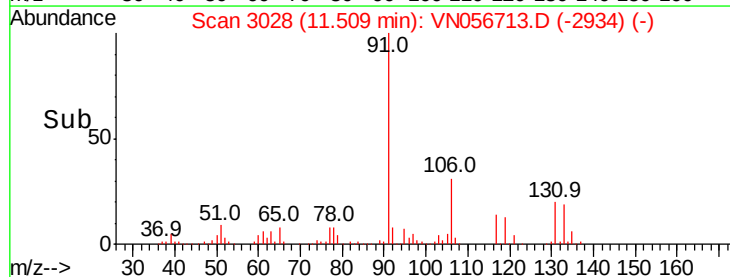
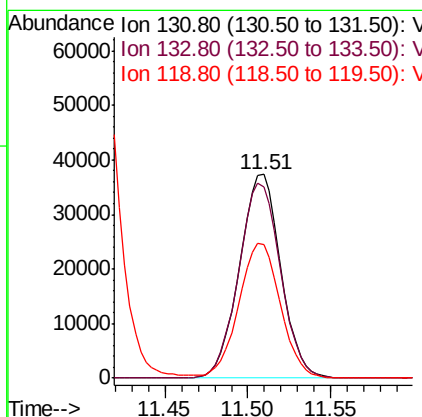
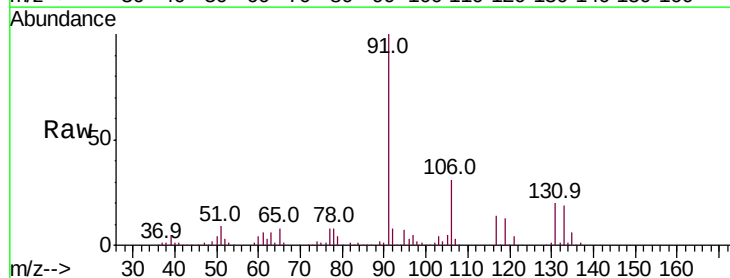
Manual Integrations
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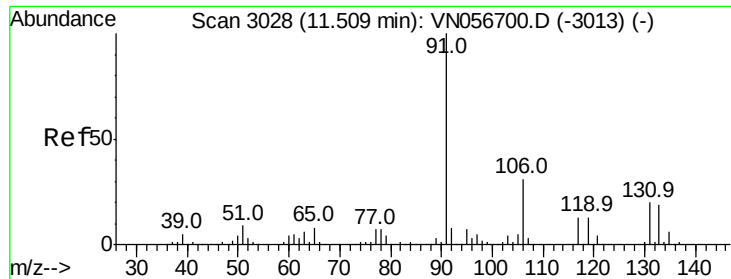
MMDadoda
7/17/2019 1:32:07 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.949 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion:131 Resp: 64562
Ion Ratio Lower Upper
131 100
133 97.3 46.9 140.7
119 67.1 32.8 98.3





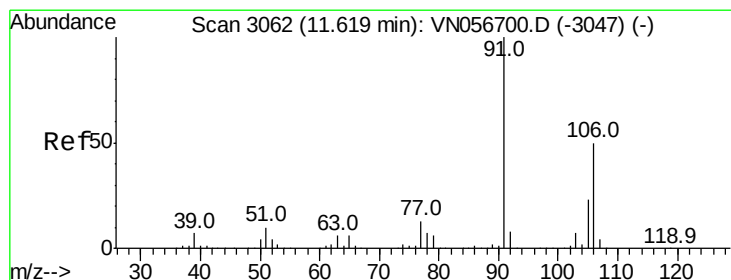
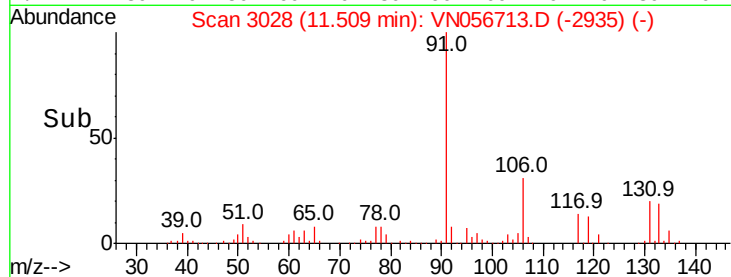
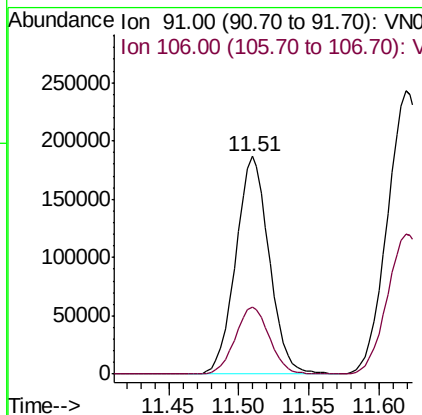
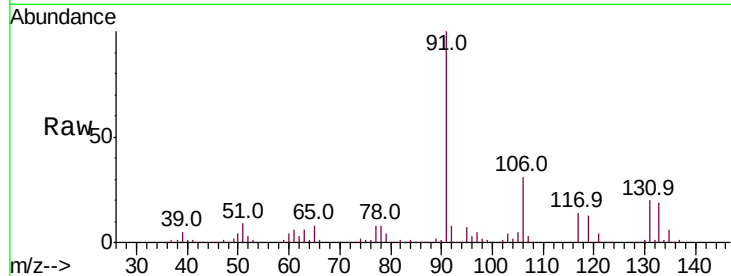
#67
Ethyl Benzene
Concen: 19.077 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampled :
VN0715WBS01

Tot Ion: 91 Resp: 310236
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2

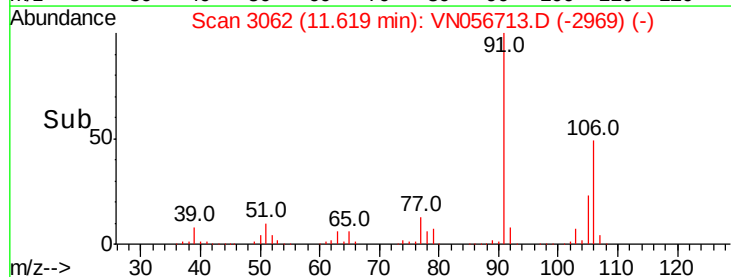
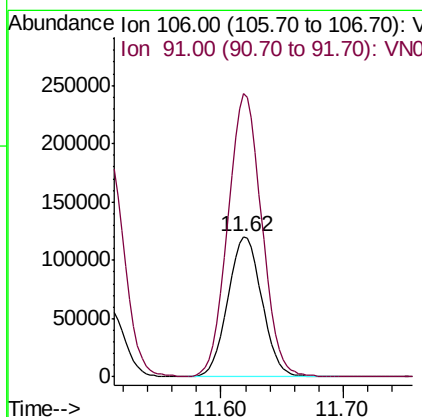
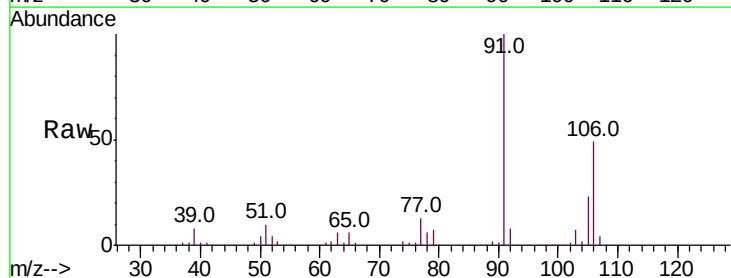
Manual Integrations
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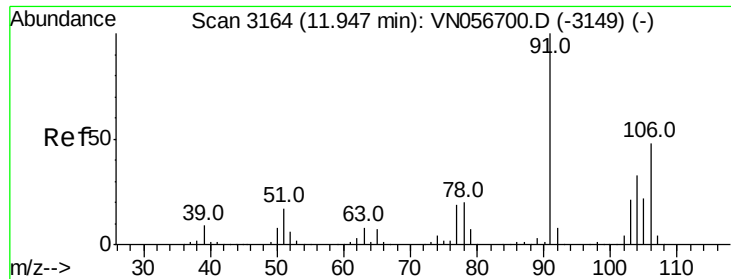
MMDadoda
7/17/2019 1:32:07 AM



#68
m/p-Xylenes
Concen: 38.525 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion: 106 Resp: 234146
Ion Ratio Lower Upper
106 100
91 201.0 160.5 240.7





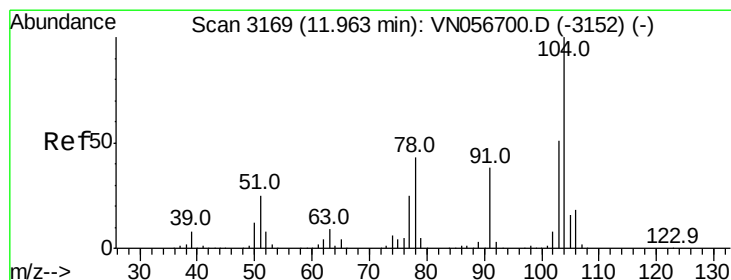
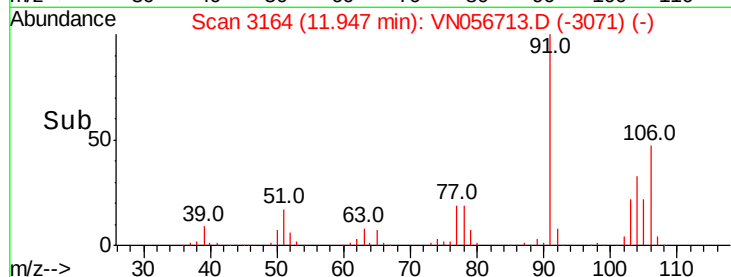
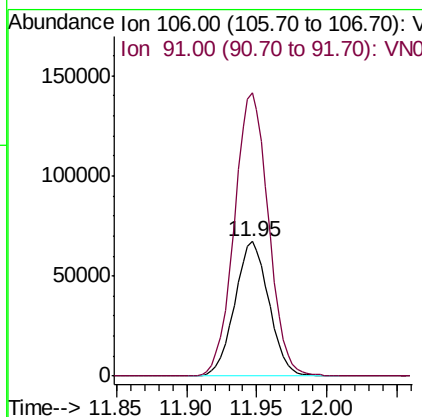
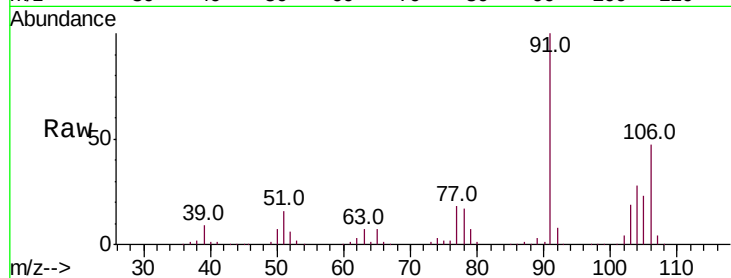
#69
o-Xylene
Concen: 19.119 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion:106 Resp: 114237
Ion Ratio Lower Upper
106 100
91 210.6 105.6 316.8

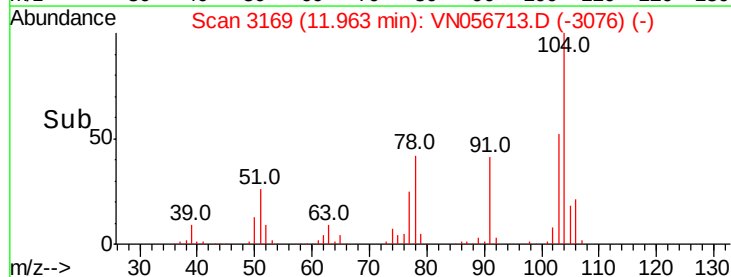
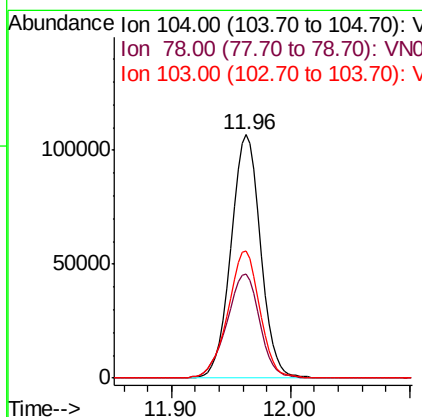
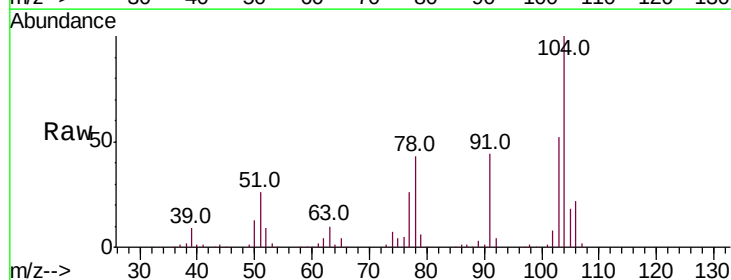
Manual Integrations
APPROVED

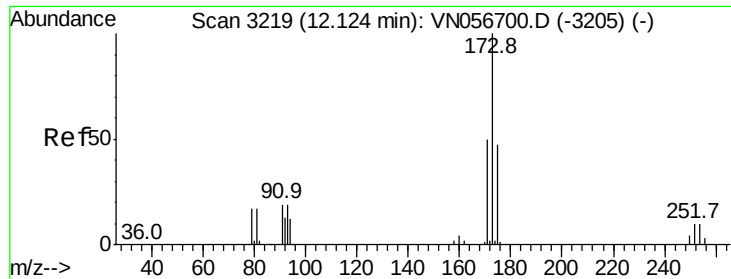
MMDadoda
7/17/2019 1:32:07 AM



#70
Styrene
Concen: 19.147 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion:104 Resp: 184964
Ion Ratio Lower Upper
104 100
78 47.5 38.6 57.8
103 56.2 44.2 66.4





#71

Bromoform

Concen: 19.019 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion:173 Resp: 49305

Ion Ratio Lower Upper

173 100

175 47.6 23.8 71.4

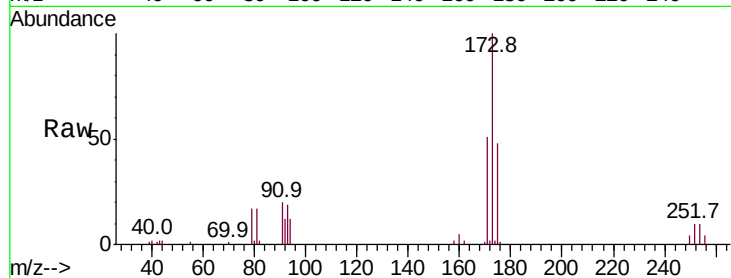
254 0.0 0.0 0.0

Manual Integrations

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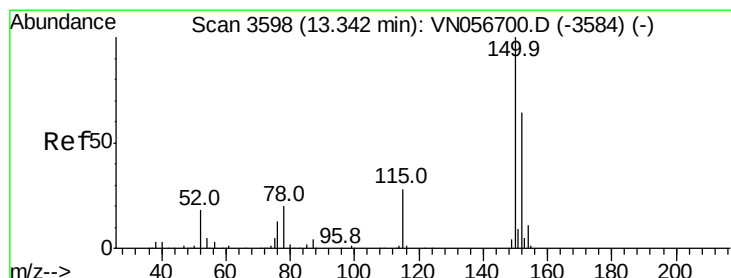
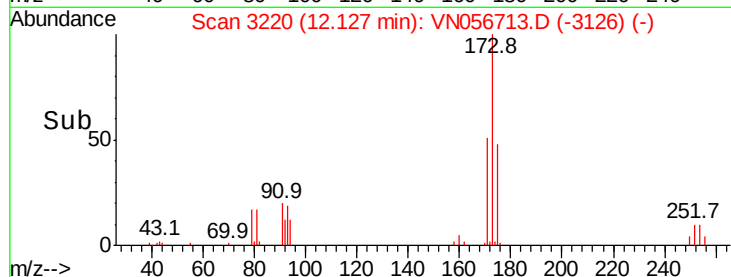
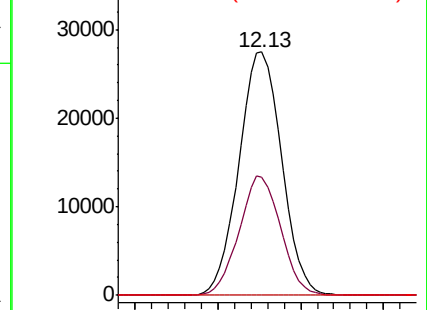
7/17/2019 1:32:07 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

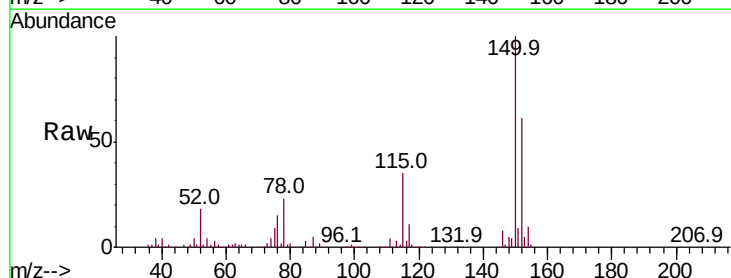
Tgt Ion:152 Resp: 186972

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.7

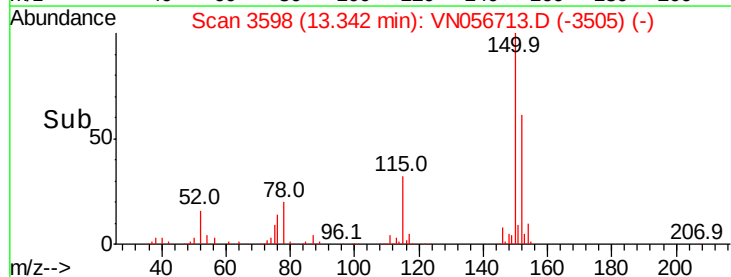
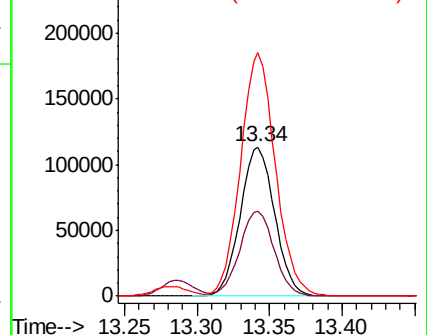
150 165.2 0.0 345.8

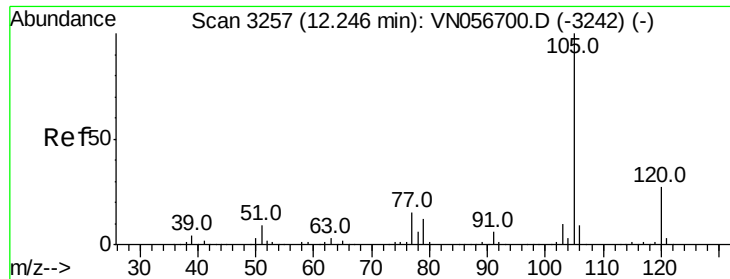


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.794 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion: 105 Resp: 298408

Ion Ratio Lower Upper

105 100

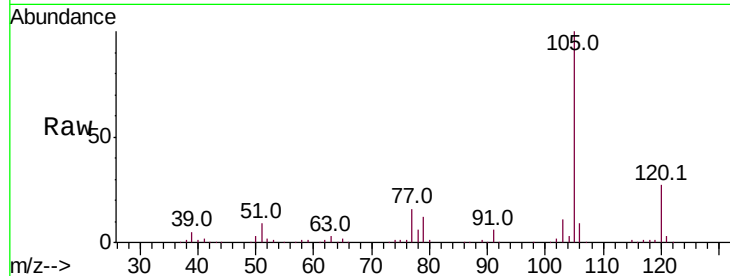
120 27.1 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

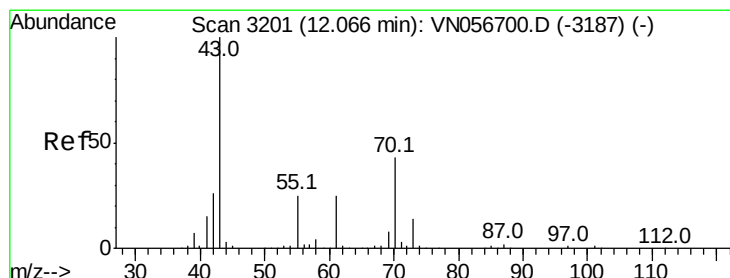
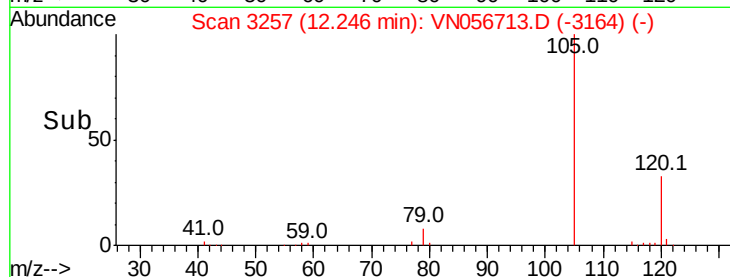
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.373 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Tgt Ion: 43 Resp: 108773

Ion Ratio Lower Upper

43 100

70 43.4 34.5 51.7

55 25.8 20.2 30.2

61 25.0 19.9 29.9

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

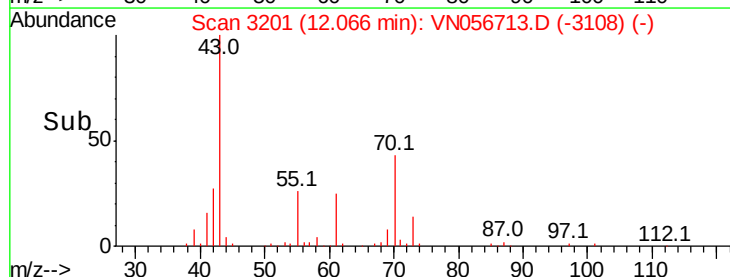
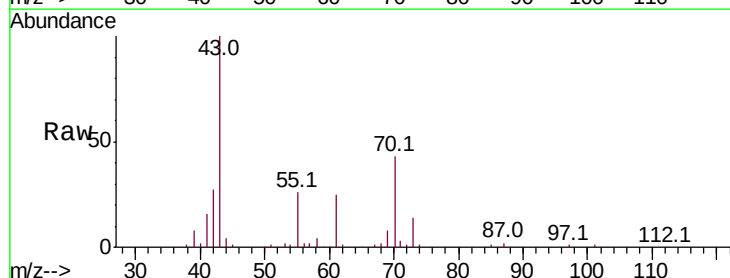
40000

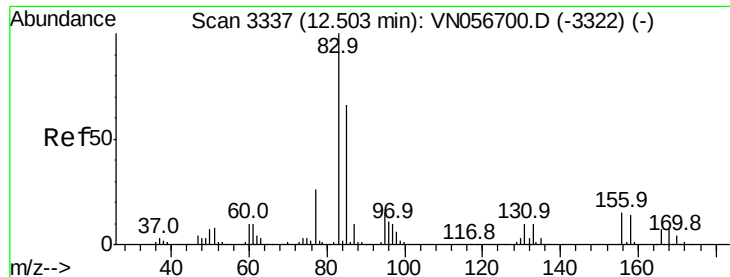
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.357 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

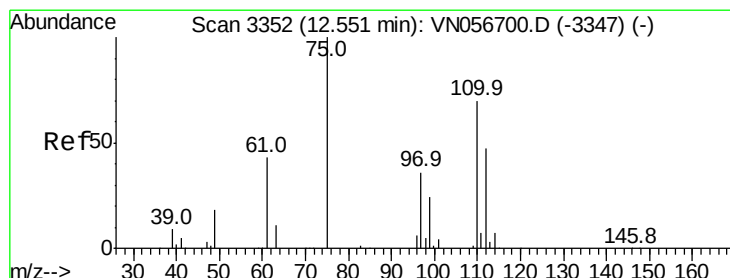
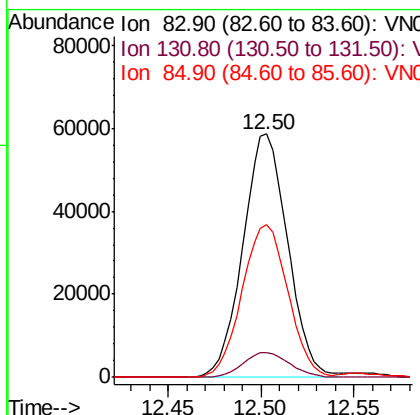
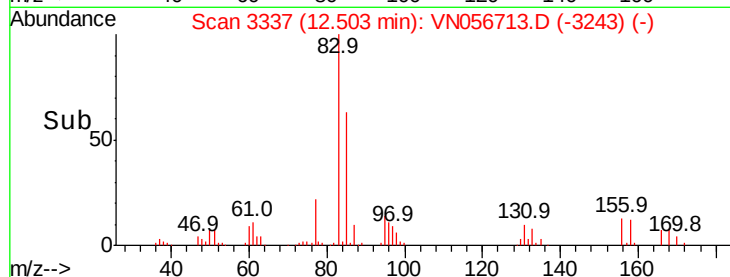
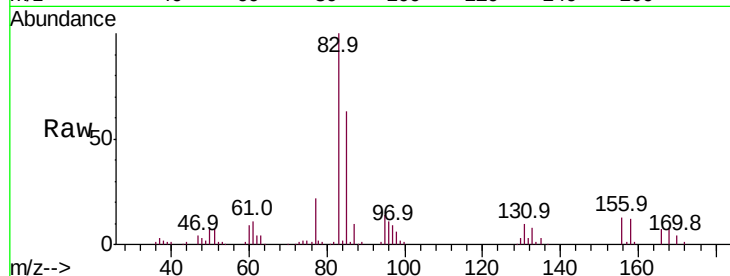
ClientSampleId :

VN0715WBS01

Tot Ion:	83	Resp:	98094
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	64.5	32.6	97.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.977 ug/l m

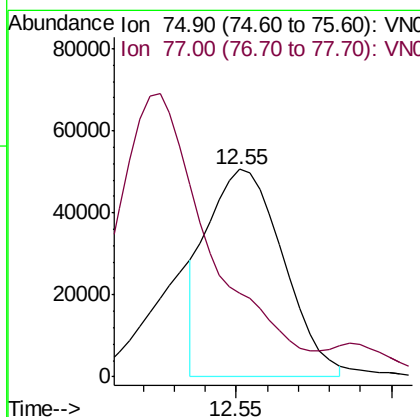
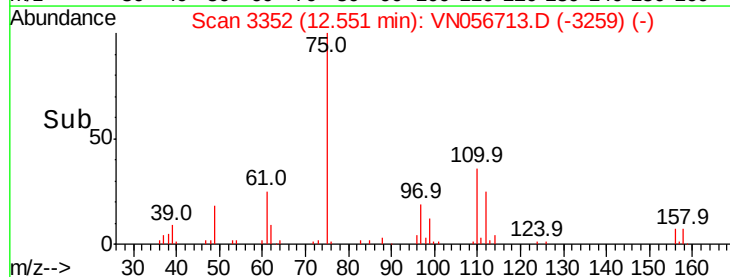
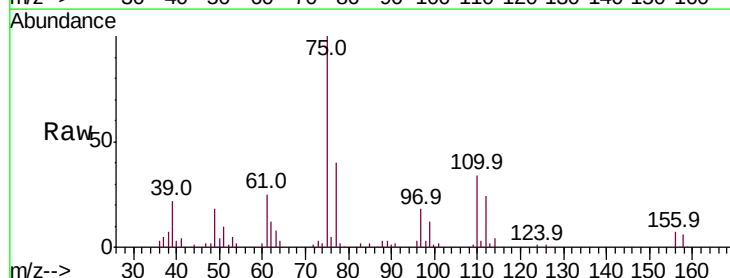
RT: 12.55 min Scan# 3352

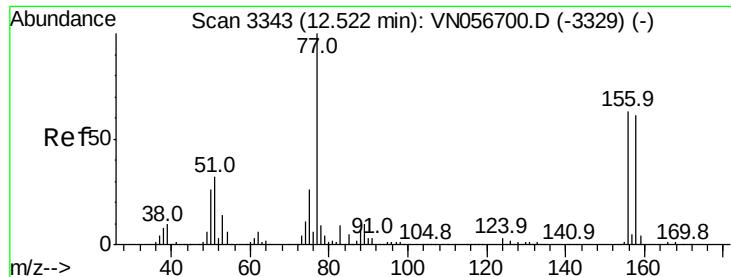
Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Tgt Ion:	75	Resp:	85784
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.571 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion:156 Resp: 77174

Ion Ratio Lower Upper

156 100

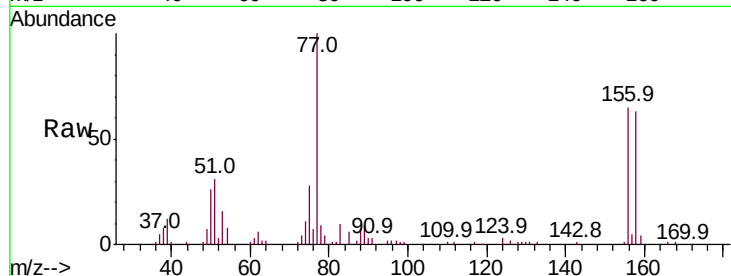
77 190.9 97.2 291.6

158 97.5 48.9 146.8

Manual Integrations
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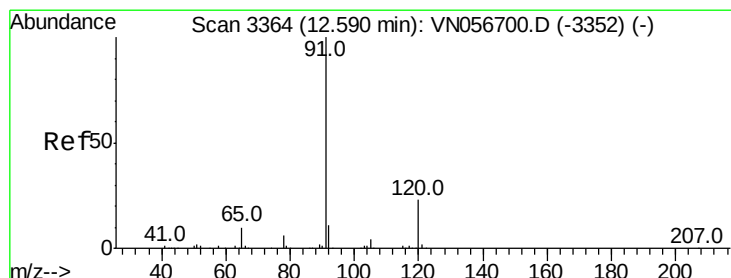
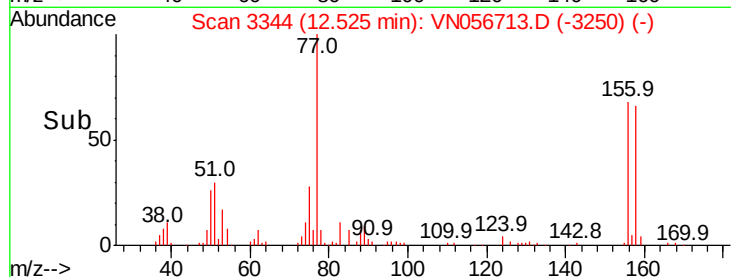
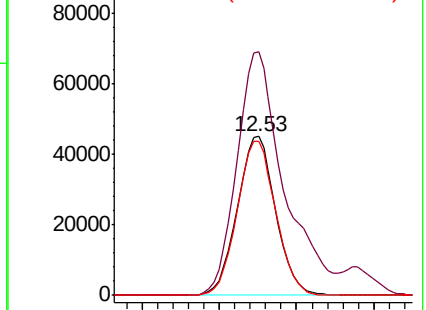
7/17/2019 1:32:07 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.295 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056713.D

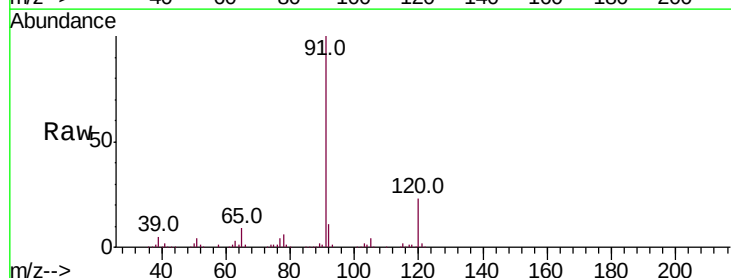
Acq: 15 Jul 2019 15:39

Tgt Ion: 91 Resp: 322931

Ion Ratio Lower Upper

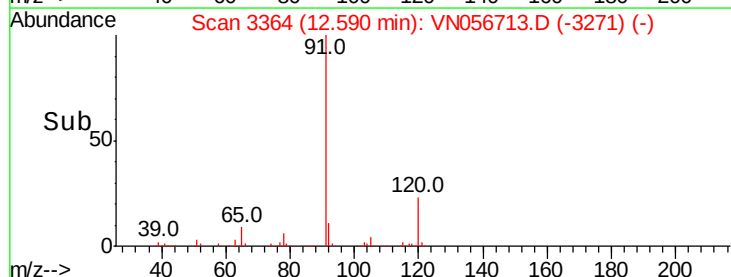
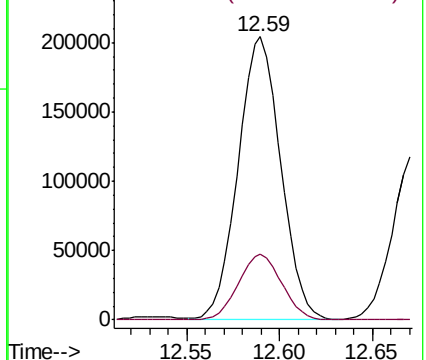
91 100

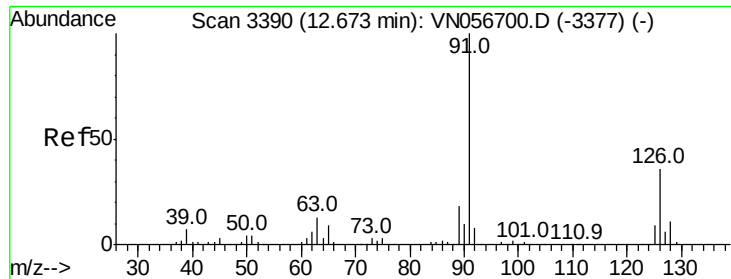
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.657 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion: 91 Resp: 199959

Ion Ratio Lower Upper

91 100

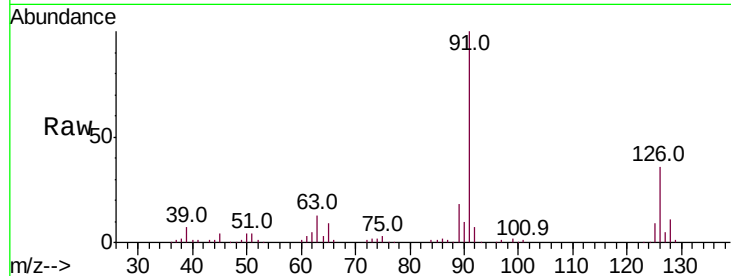
126 35.7 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN056713.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN056713.D (-3297) (-)

200000

150000

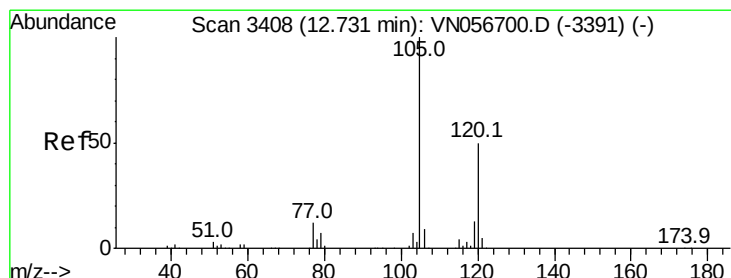
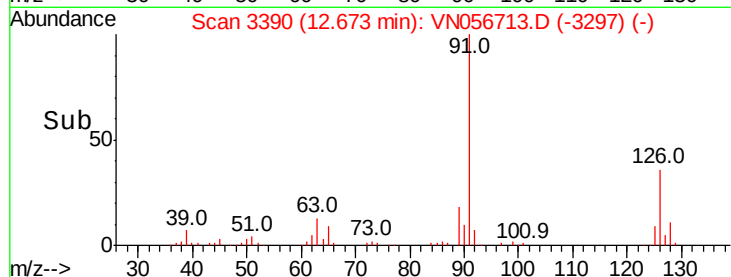
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.000 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056713.D

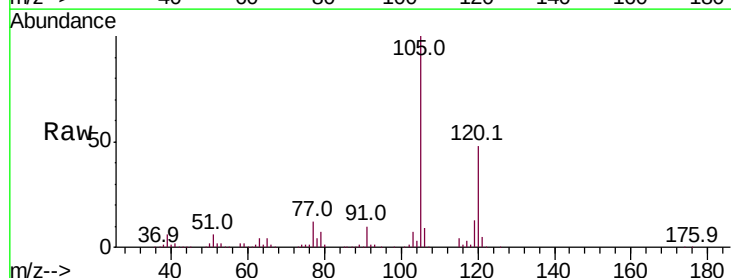
Acq: 15 Jul 2019 15:39

Tgt Ion: 105 Resp: 255542

Ion Ratio Lower Upper

105 100

120 48.5 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056713.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056713.D (-3315) (-)

150000

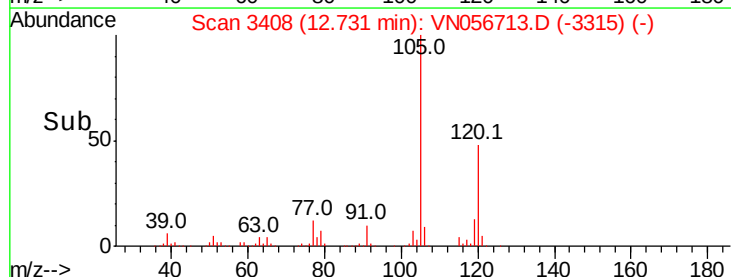
100000

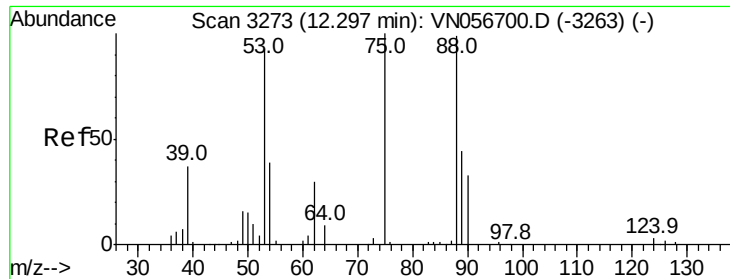
50000

0

12.65 12.70 12.75 12.80

Time-->





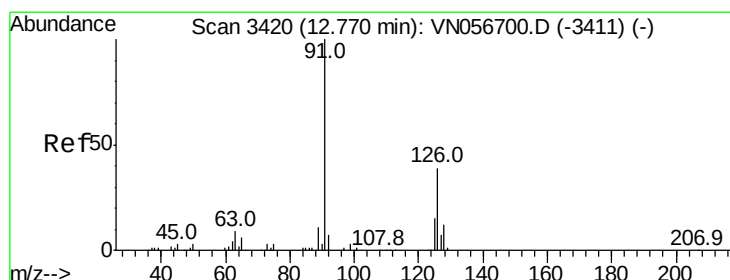
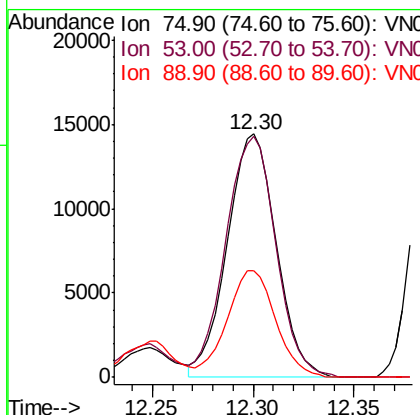
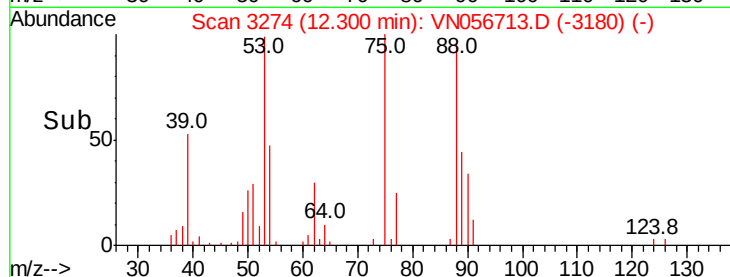
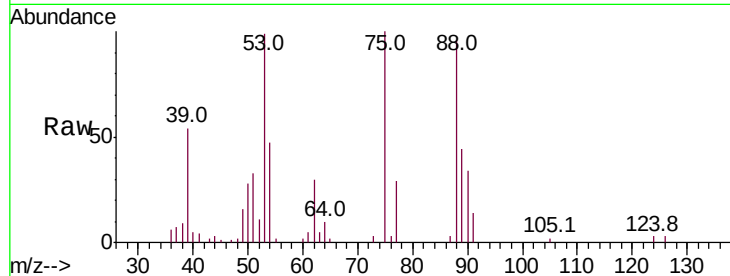
#81
trans-1,4-Dichloro-2-butene
Concen: 18.544 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.5	73.7	110.5
89	43.5	36.2	54.2

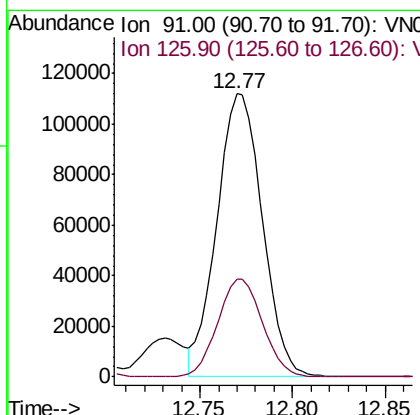
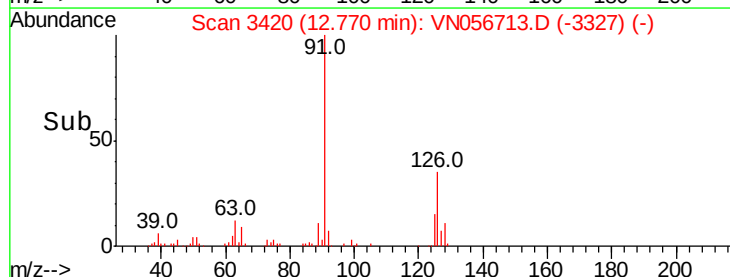
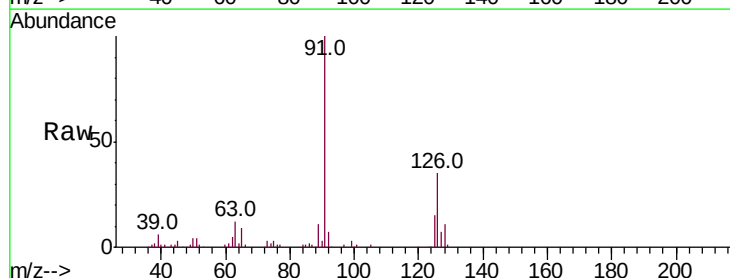
Manual Integrations
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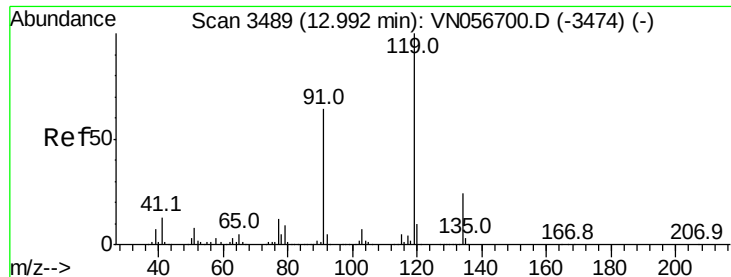
MMDadoda
7/17/2019 1:32:07 AM



#82
4-Chlorotoluene
Concen: 19.267 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.6	52.8





#83

tert-Butylbenzene

Concen: 21.000 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

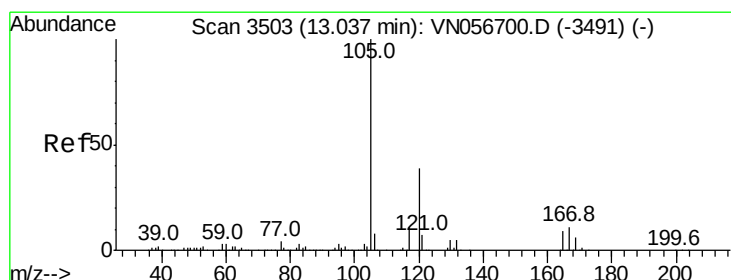
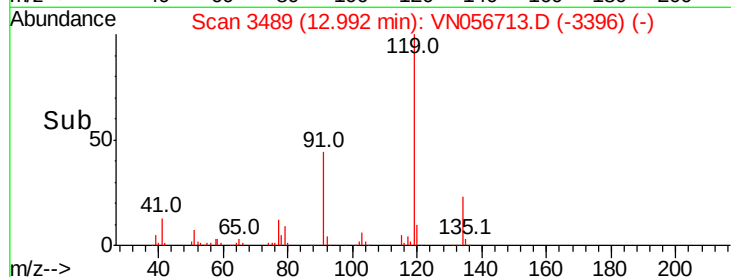
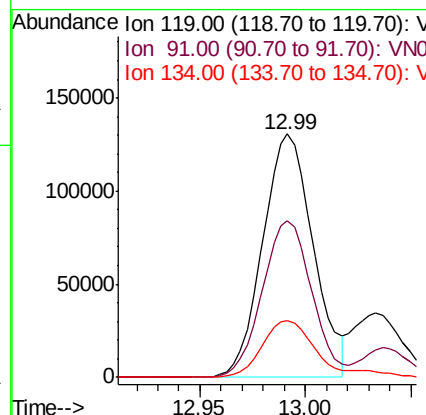
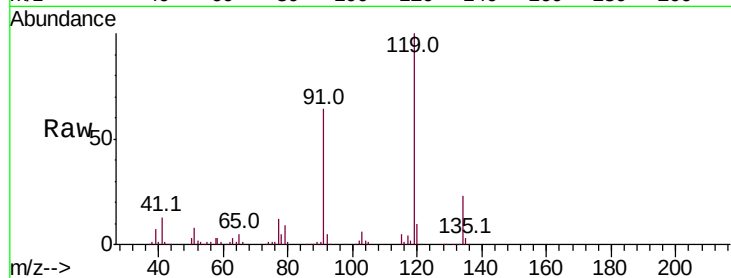
ClientSampled :

VN0715WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	31.8	95.4
134	25.8	13.0	38.9

Manual Integrations
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7/17/2019 1:32:07 AM



#84

1,2,4-Trimethylbenzene

Concen: 20.113 ug/l

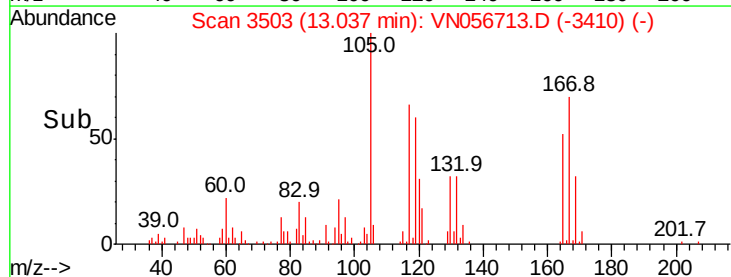
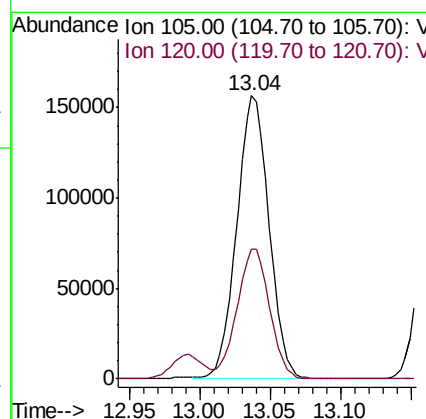
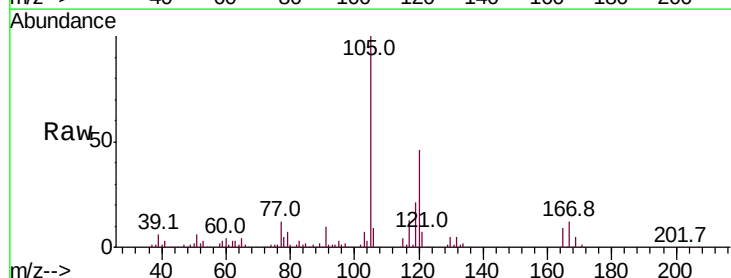
RT: 13.04 min Scan# 3503

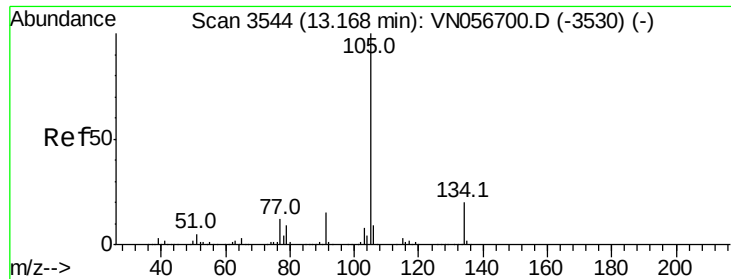
Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 19.736 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBS01

Tot Ion:105 Resp: 280208

Ion Ratio Lower Upper

105 100

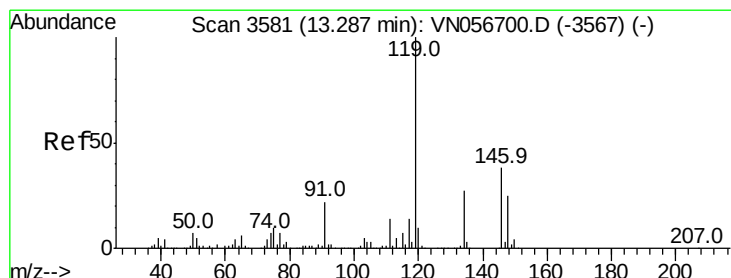
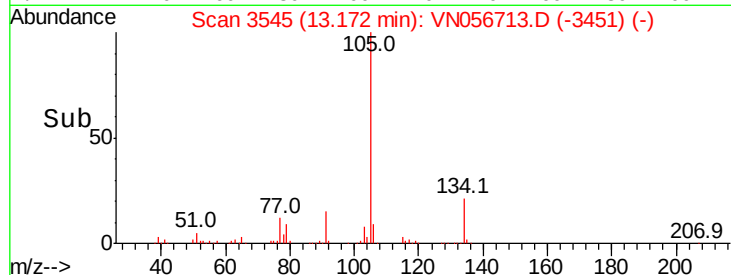
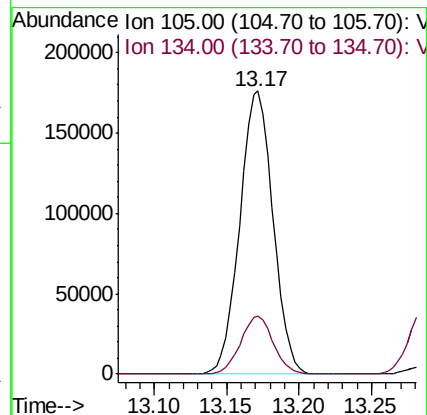
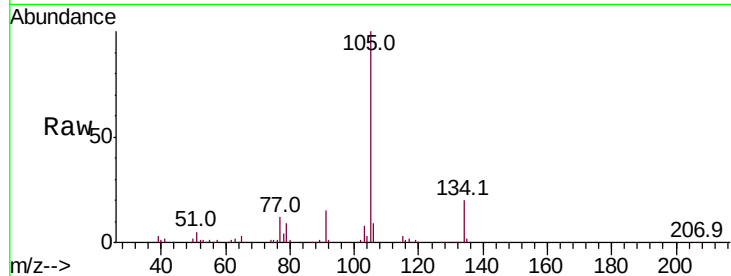
134 20.1 10.1 30.1

Manual Integrations

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7/17/2019 1:32:07 AM



#86

p-Isopropyltoluene

Concen: 19.346 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

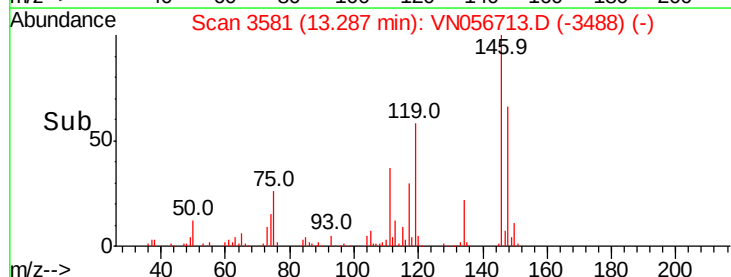
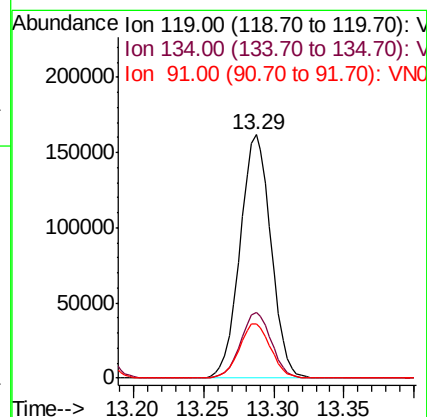
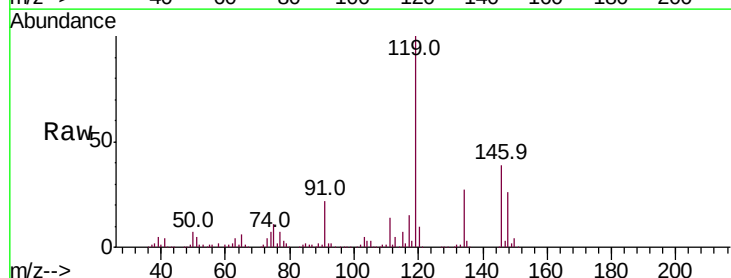
Tgt Ion:119 Resp: 248823

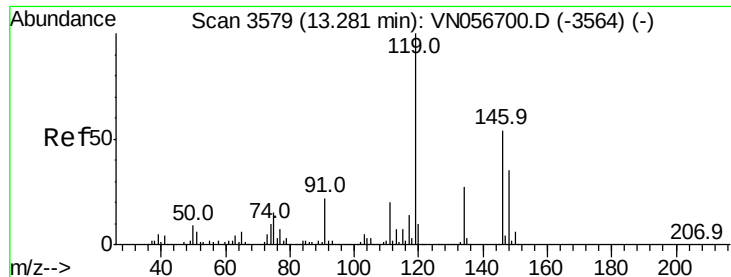
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.7

91 22.6 11.2 33.5





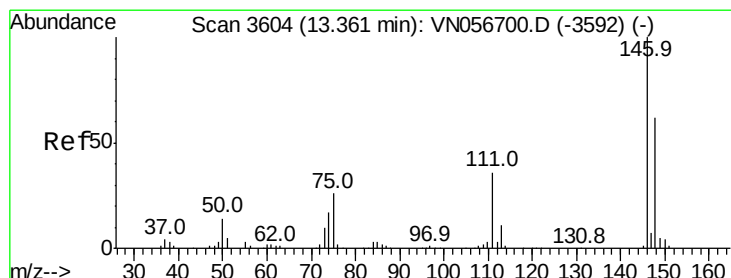
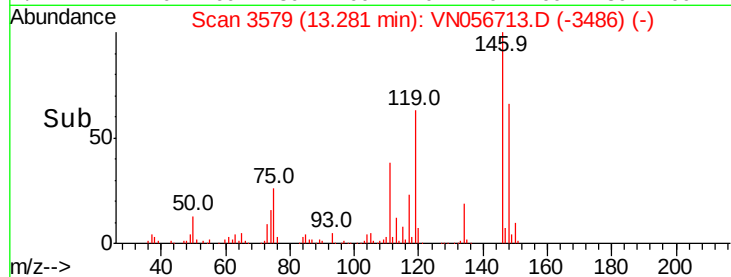
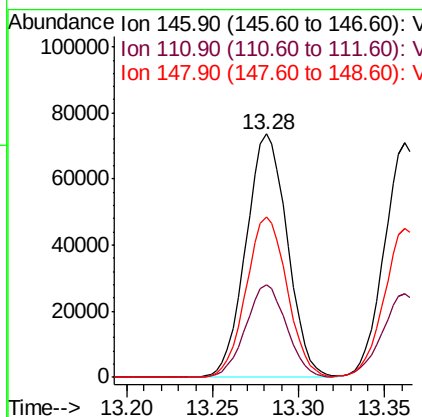
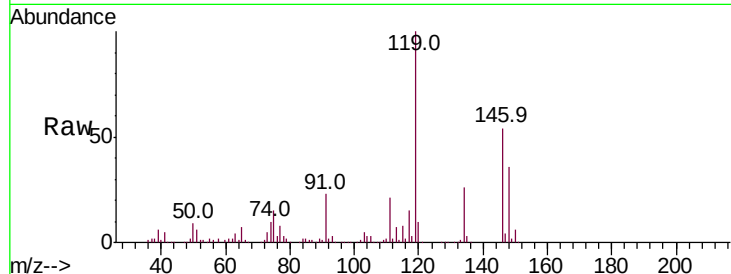
#87
 1,3-Dichlorobenzene
 Concen: 19.005 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122813		
111	37.4	18.8	56.3	
148	65.3	32.3	96.8	

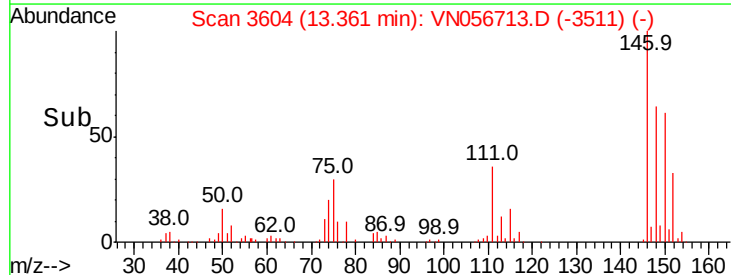
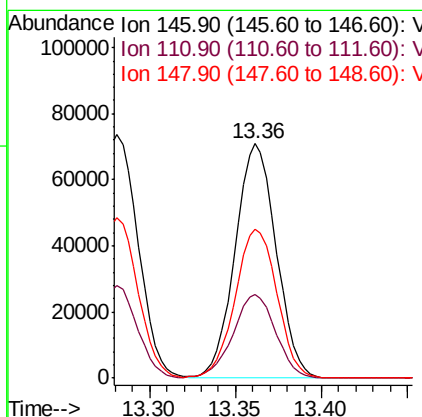
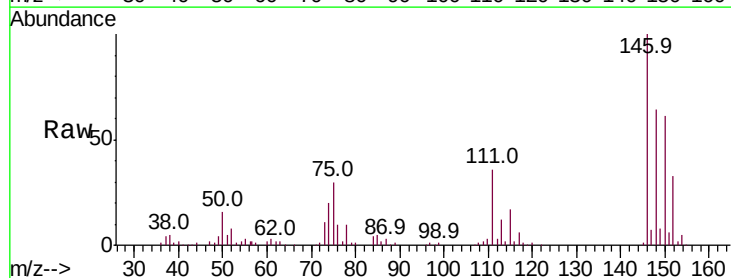
Manual Integrations
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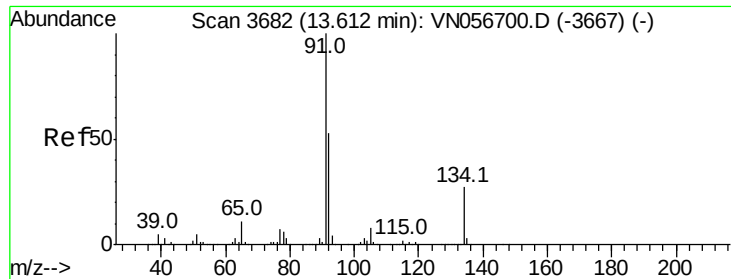
MMDadoda
 7/17/2019 1:32:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.738 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	117787		
111	37.1	18.6	55.8	
148	65.1	31.9	95.7	





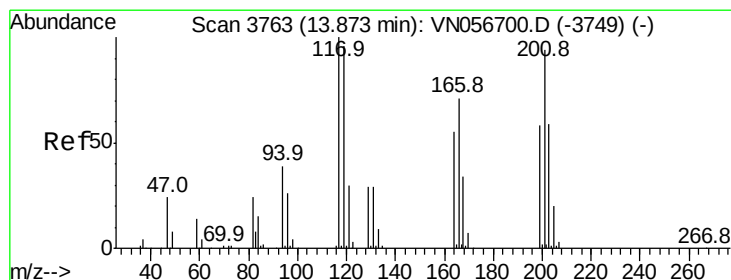
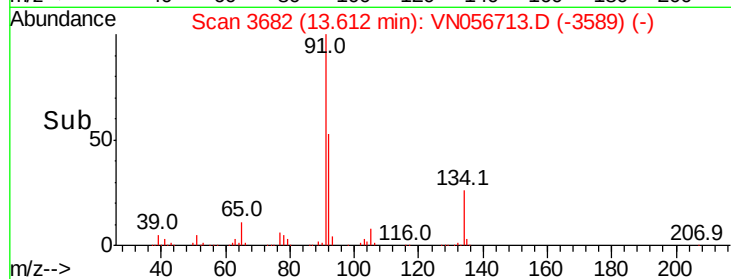
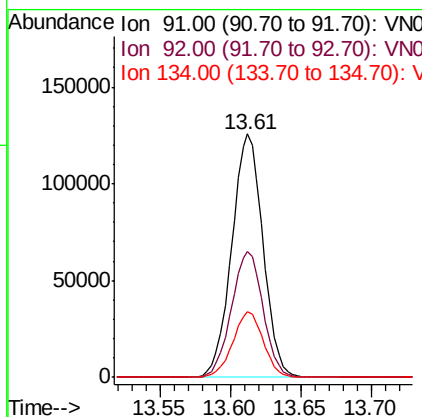
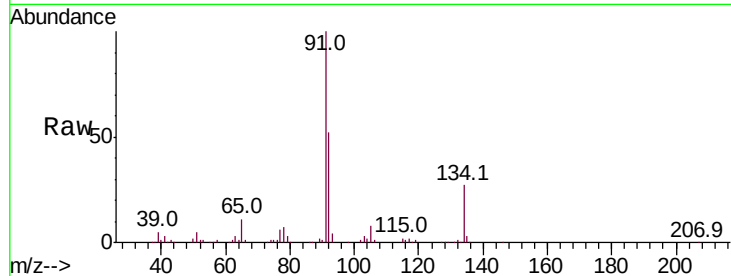
#89
n-Butylbenzene
Concen: 18.769 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	26.4	13.4	40.2

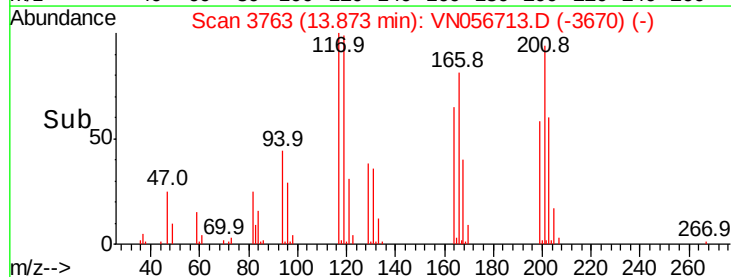
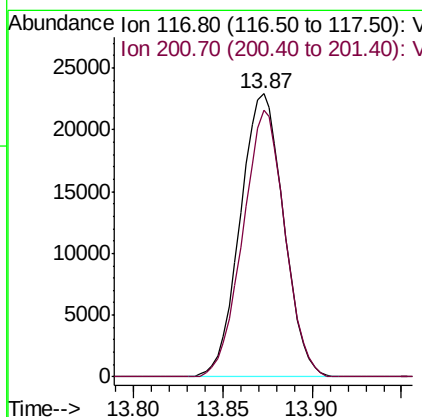
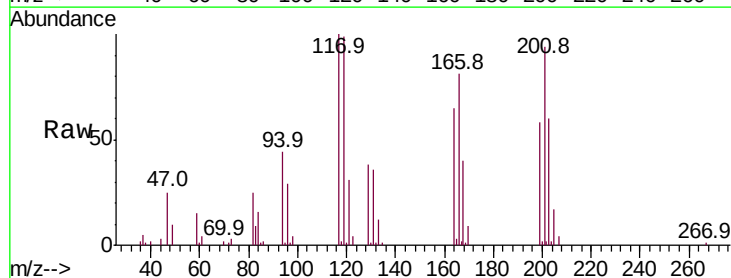
Manual Integrations
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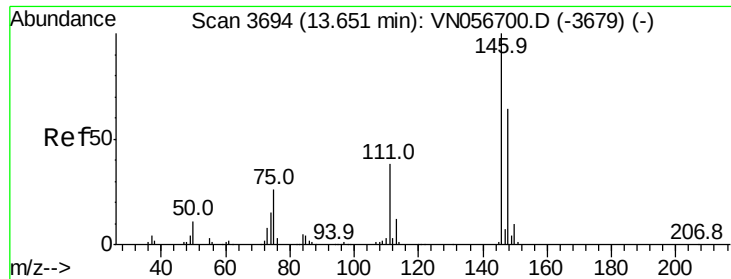
MMDadoda
7/17/2019 1:32:07 AM



#90
Hexachloroethane
Concen: 18.771 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.2	46.5	139.5





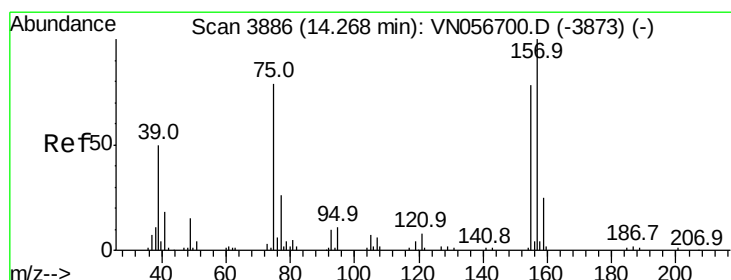
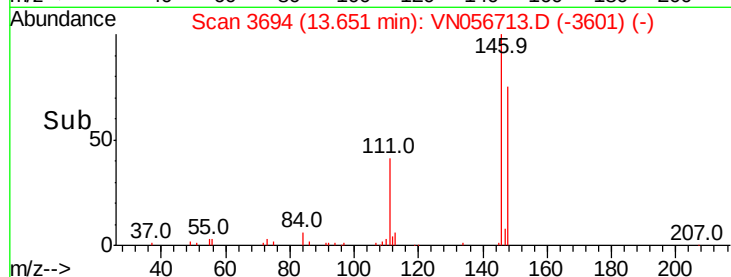
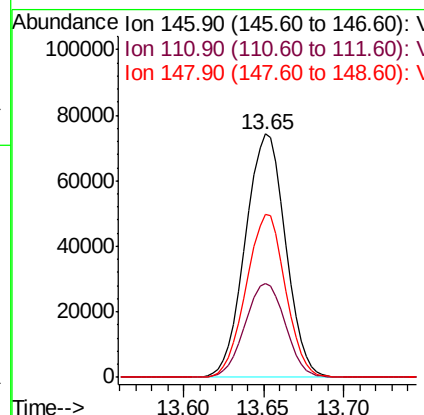
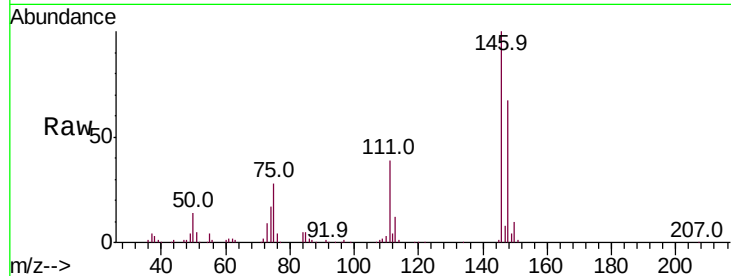
#91
 1,2-Dichlorobenzene
 Concen: 19.289 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0715WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	65.4	31.7	95.1

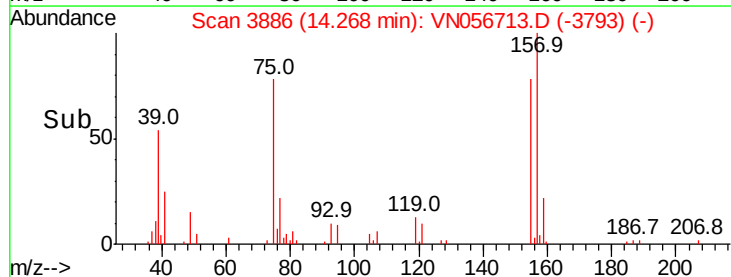
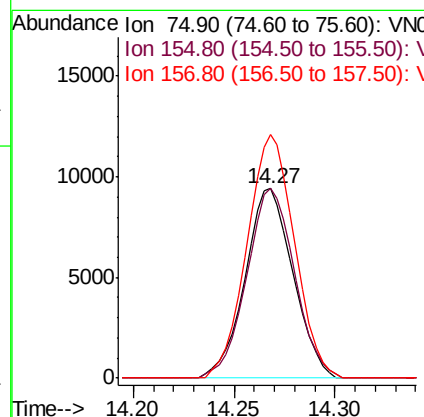
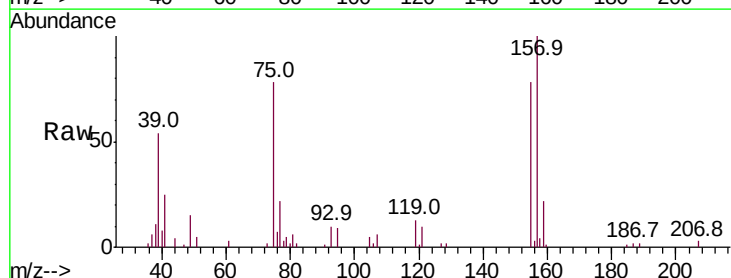
Manual Integrations
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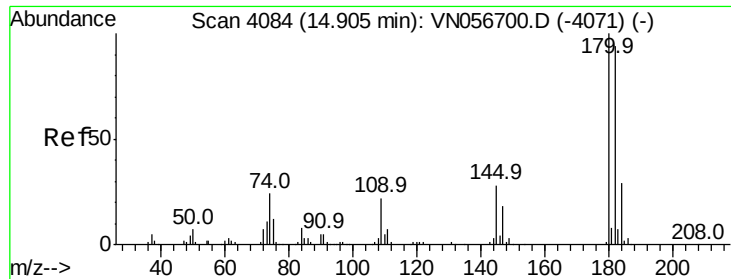
MMDadoda
 7/17/2019 1:32:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.354 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056713.D
 Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	49.3	147.9
157	127.3	62.4	187.1





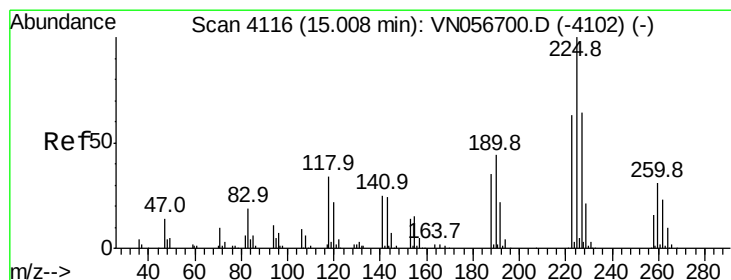
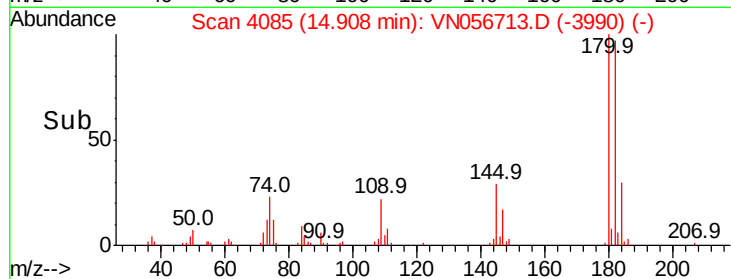
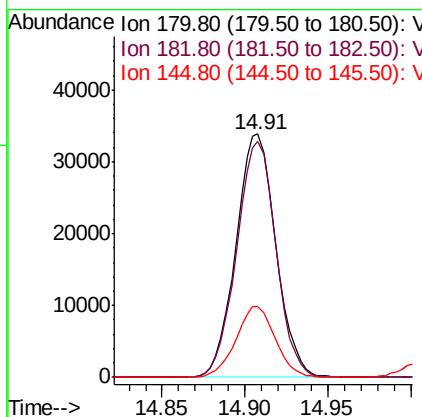
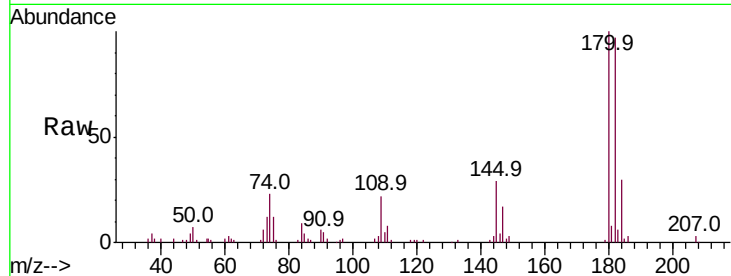
#93
1,2,4-Trichlorobenzene
Concen: 18.005 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.2	141.6	
145	28.8	14.2	42.8	

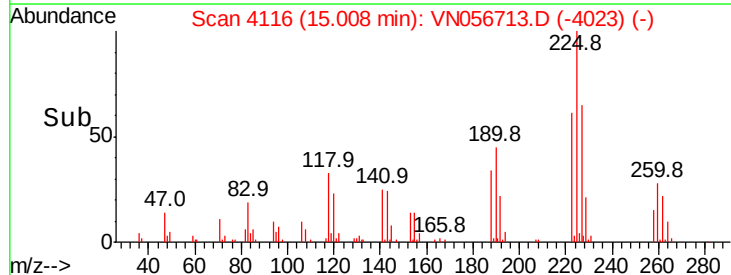
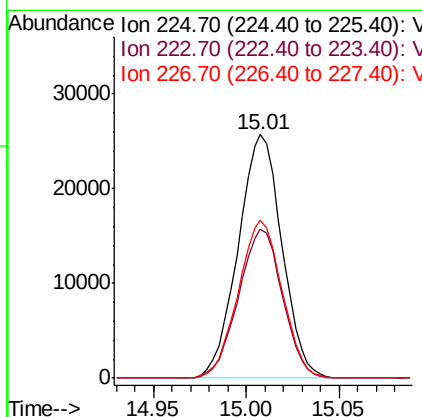
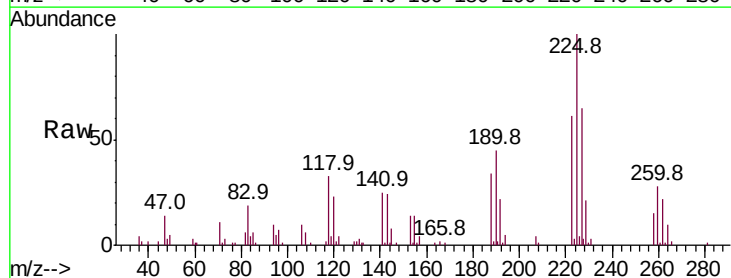
Manual Integrations
APPROVED

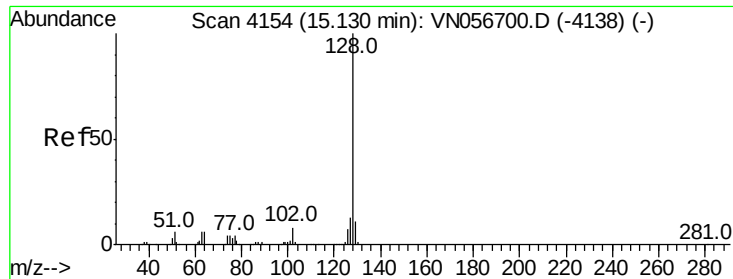
MMDadoda
7/17/2019 1:32:07 AM



#94
Hexachlorobutadiene
Concen: 19.483 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056713.D
Acq: 15 Jul 2019 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.3	31.5	94.5	
227	64.8	32.0	96.2	





#95

Naphthalene

Concen: 17.568 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Instrument :

MSVOA_N

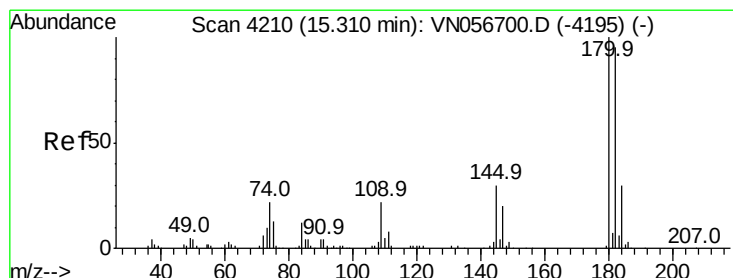
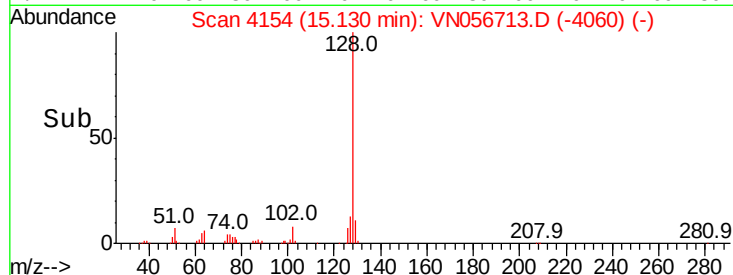
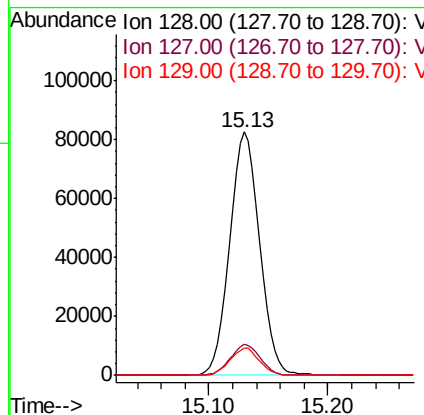
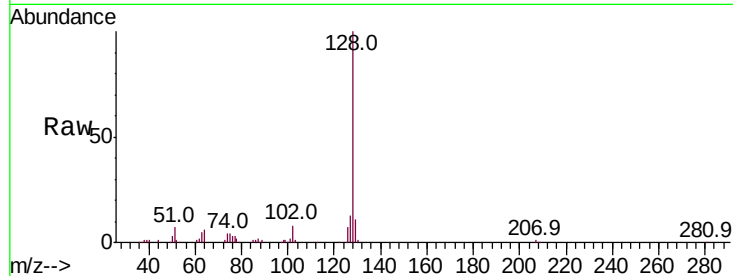
ClientSampleId :

VN0715WBS01

Tot Ion:	128	Resp:	143660
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/17/2019 1:32:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.072 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056713.D

Acq: 15 Jul 2019 15:39

Tgt Ion:	180	Resp:	61157
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.1	141.3
145	30.4	15.0	45.1

