

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056765.D
 Acq On : 16 Jul 2019 13:49
 Operator : JC/SP
 Sample : VN0716WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 4:57:26 PM

Quant Time: Jul 17 02:01:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	306335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	474996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	418520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	174770	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	7.59	113	152559	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.09	98	589284	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.40	95	190696	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	53825	18.712	ug/l	100
3) Chloromethane	2.06	50	73492	19.004	ug/l	99
4) Vinyl Chloride	2.18	62	71948	19.319	ug/l	97
5) Bromomethane	2.55	94	44224	20.194	ug/l	99
6) Chloroethane	2.70	64	41380	19.068	ug/l	98
7) Trichlorofluoromethane	3.01	101	93107	19.484	ug/l	100
8) Diethyl Ether	3.41	74	37180	19.956	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	55994	19.504	ug/l	98
10) Methyl Iodide	3.95	142	72587	18.903	ug/l	99
11) Tert butyl alcohol	4.79	59	59809	106.042	ug/l	100
12) 1,1-Dichloroethene	3.73	96	56301	19.551	ug/l	96
13) Acrolein	3.61	56	19996	110.040	ug/l	97
14) Allyl chloride	4.32	41	95230	19.122	ug/l	99
15) Acrylonitrile	4.99	53	170038	104.395	ug/l	98
16) Acetone	3.82	43	131902	84.471	ug/l	100
17) Carbon Disulfide	4.05	76	137211	18.031	ug/l	100
18) Methyl Acetate	4.33	43	76099	21.137	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	180959	19.722	ug/l	99
20) Methylene Chloride	4.55	84	67098	19.663	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	60256	19.795	ug/l	97
22) Diisopropyl ether	5.95	45	200110	20.357	ug/l	97
23) Vinyl Acetate	5.90	43	813959	102.183	ug/l	99
24) 1,1-Dichloroethane	5.85	63	113684	19.947	ug/l	99
25) 2-Butanone	6.84	43	218784	95.835	ug/l	100
26) 2,2-Dichloropropane	6.83	77	75278	18.319	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	71211	20.331	ug/l	99
28) Bromochloromethane	7.20	49	55490	20.708	ug/l	100
29) Tetrahydrofuran	7.21	42	153243	102.918	ug/l	98
30) Chloroform	7.37	83	112946	19.804	ug/l	99
31) Cyclohexane	7.65	56	109404	20.197	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	90305	20.022	ug/l	99
36) 1,1-Dichloropropene	7.79	75	82900	18.861	ug/l	99
37) Ethyl Acetate	6.93	43	87889	20.288	ug/l	100
38) Carbon Tetrachloride	7.77	117	78185	18.968	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	101925	18.780	ug/l	99
40) Benzene	8.04	78	262806	19.514	ug/l	99
41) Methacrylonitrile	7.17	41	35223m	18.510	ug/l	
42) 1,2-Dichloroethane	8.12	62	85365	20.055	ug/l	99
43) Isopropyl Acetate	8.17	43	137872	20.244	ug/l	99
44) Trichloroethene	8.84	130	71169	19.460	ug/l	96
45) 1,2-Dichloropropane	9.12	63	72257	20.191	ug/l	99
46) Dibromomethane	9.21	93	44745	20.176	ug/l	99
47) Bromodichloromethane	9.40	83	83377	19.785	ug/l	99
48) Methyl methacrylate	9.20	41	66089	20.066	ug/l	99
49) 1,4-Dioxane	9.20	88	28496	421.653	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	447931	101.548	ug/l	99
52) Toluene	10.16	92	160986	20.128	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	83836	19.068	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	98123	19.232	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	66231	19.743	ug/l	98
56) Ethyl methacrylate	10.43	69	98515	20.409	ug/l	99
57) 1,3-Dichloropropane	10.71	76	110732	20.210	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	228484	98.435	ug/l	99
59) 2-Hexanone	10.75	43	314675	99.421	ug/l	100
60) Dibromochloromethane	10.90	129	64937	19.682	ug/l	99
61) 1,2-Dibromoethane	11.00	107	67936	20.377	ug/l	100
64) Tetrachloroethene	10.63	164	72424	20.058	ug/l	98
65) Chlorobenzene	11.43	112	171192	20.005	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	62936	19.974	ug/l	98
67) Ethyl Benzene	11.51	91	296288	19.701	ug/l	99
68) m/p-Xylenes	11.62	106	225037	40.038	ug/l	99
69) o-Xylene	11.95	106	107407	19.438	ug/l	96
70) Styrene	11.96	104	180021	20.151	ug/l	100
71) Bromoform	12.12	173	46301	19.313	ug/l #	97
73) Isopropylbenzene	12.25	105	285294	20.064	ug/l	100
74) N-amyl acetate	12.07	43	104520	19.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	94241	21.792	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	82559m	21.405	ug/l	
77) Bromobenzene	12.52	156	73954	19.885	ug/l	98
78) n-propylbenzene	12.59	91	307839	19.501	ug/l	100
79) 2-Chlorotoluene	12.67	91	195048	21.422	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	241573	20.046	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	22912	18.346	ug/l	92
82) 4-Chlorotoluene	12.77	91	180778	19.514	ug/l	100
83) tert-Butylbenzene	12.99	119	207030	21.206	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	239288	20.325	ug/l	100
85) sec-Butylbenzene	13.17	105	268675	20.064	ug/l	100
86) p-Isopropyltoluene	13.29	119	241401	19.900	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	119449	19.598	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115364	19.459	ug/l	99
89) n-Butylbenzene	13.61	91	184283	18.859	ug/l	99
90) Hexachloroethane	13.87	117	37039	18.881	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	122454	19.644	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15595	20.453	ug/l	97

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Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52948	17.931	ug/l	99
94) Hexachlorobutadiene	15.01	225	40587	19.947	ug/l	100
95) Naphthalene	15.13	128	132198	17.251	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57042	18.897	ug/l	99

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

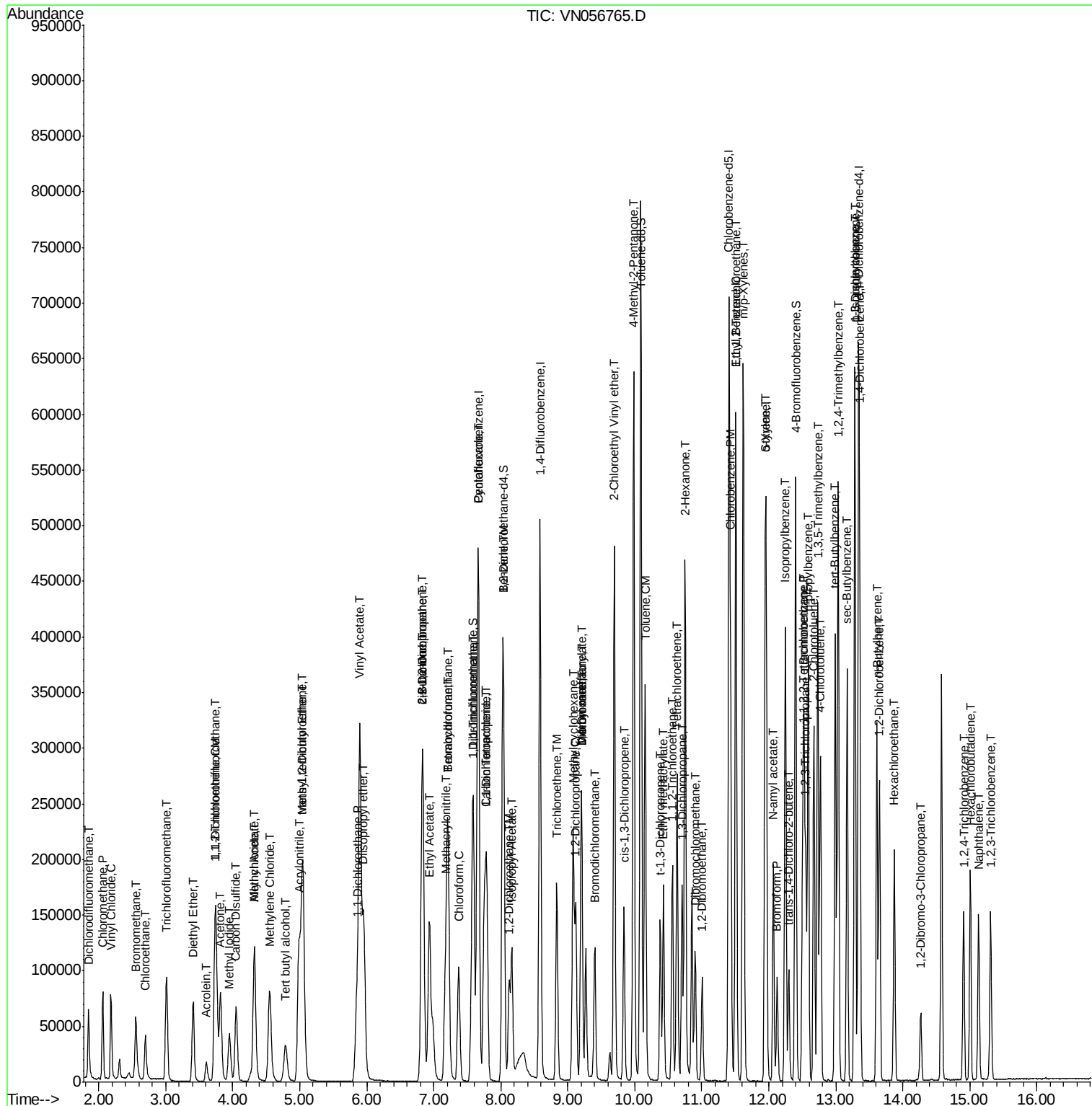
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Data File : VN056765.D
Acq On : 16 Jul 2019 13:49
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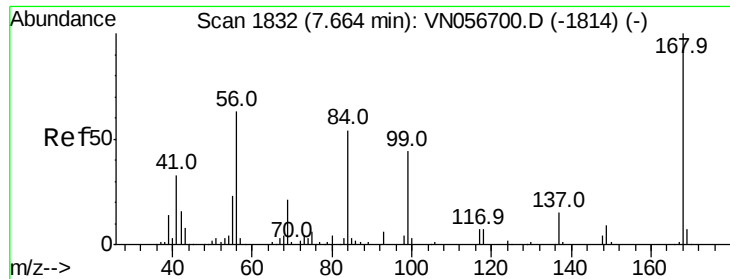
Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion:168 Resp: 306335

Ion Ratio Lower Upper

168 100

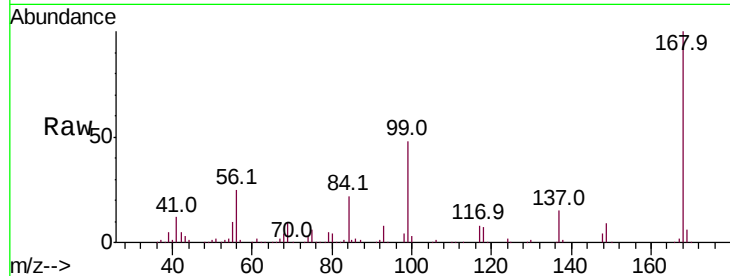
99 48.0 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

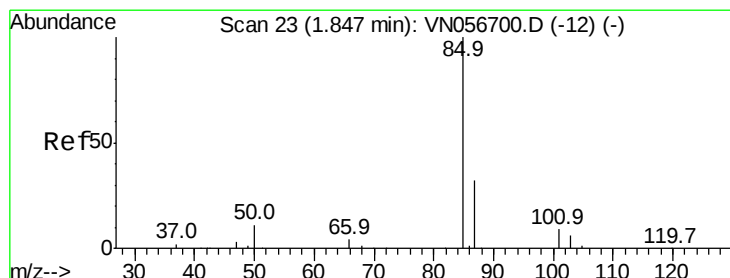
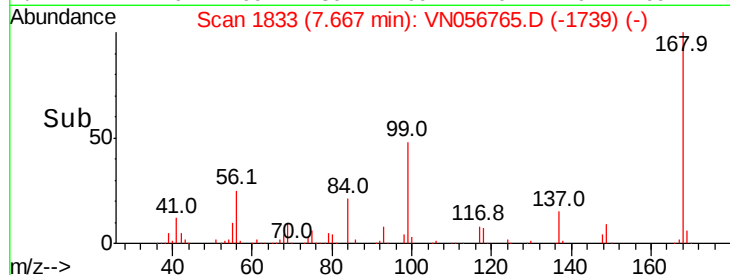
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.712 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056765.D

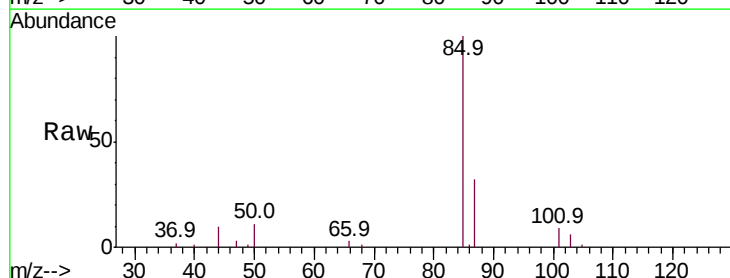
Acq: 16 Jul 2019 13:49

Tgt Ion: 85 Resp: 53825

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

40000

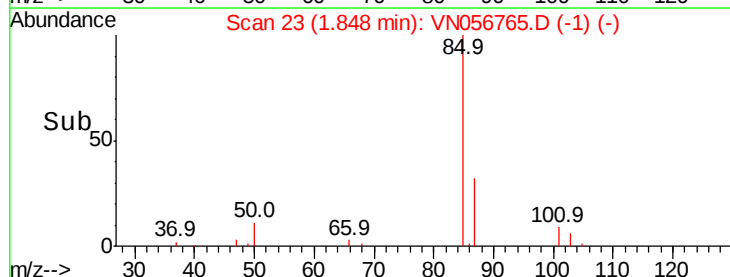
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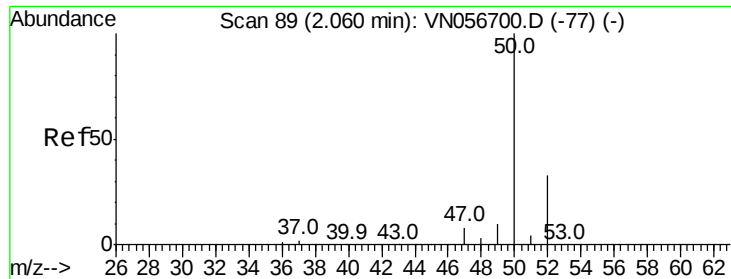
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10000

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Time-->





#3

Chloromethane

Concen: 19.004 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion: 50 Resp: 73492

Ion Ratio Lower Upper

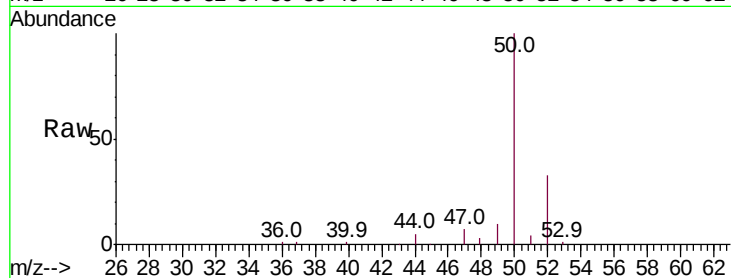
50 100

52 32.6 26.5 39.7

Manual Integrations
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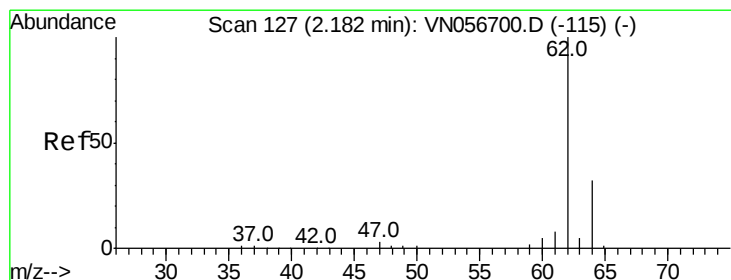
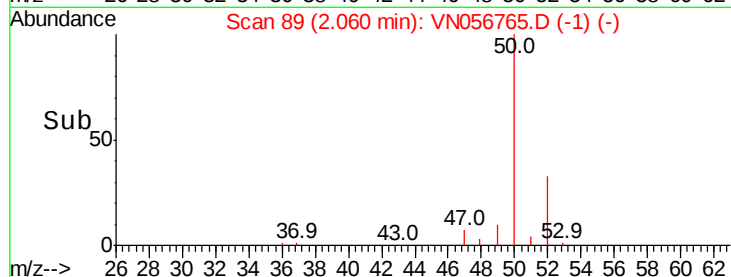
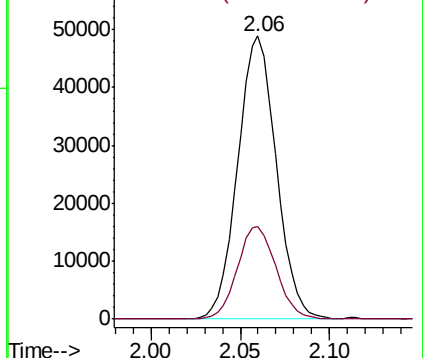
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 19.319 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056765.D

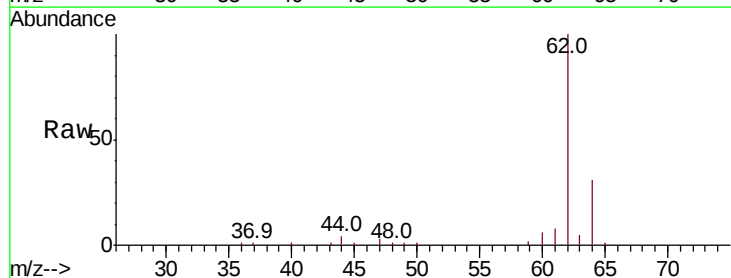
Acq: 16 Jul 2019 13:49

Tgt Ion: 62 Resp: 71948

Ion Ratio Lower Upper

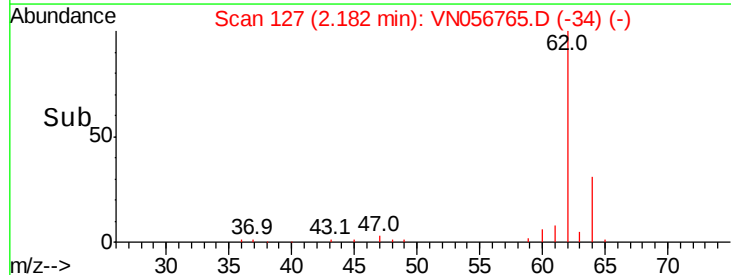
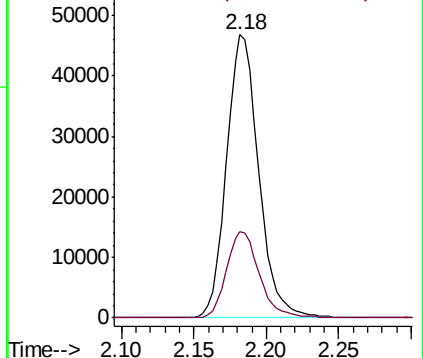
62 100

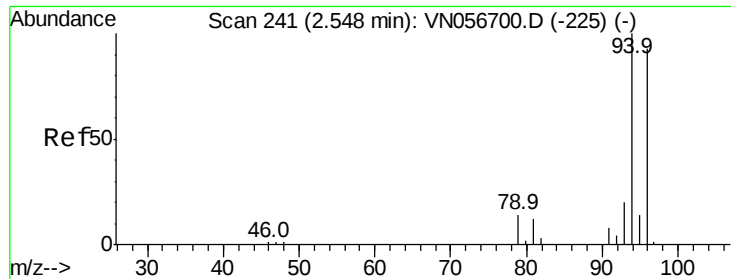
64 30.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 20.194 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion: 94 Resp: 44224

Ion Ratio Lower Upper

94 100

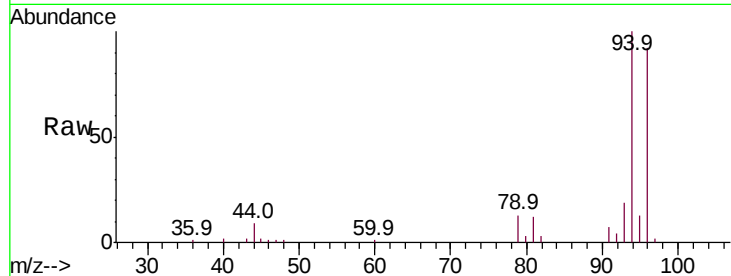
96 91.9 74.0 111.0

Manual Integrations

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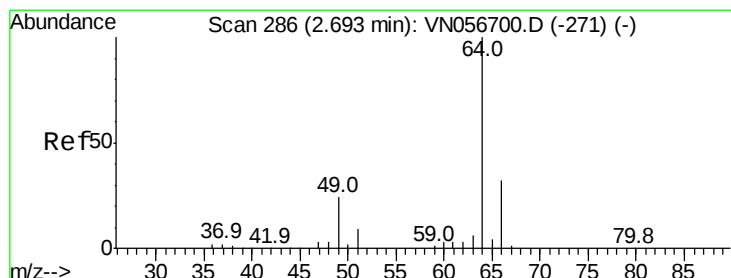
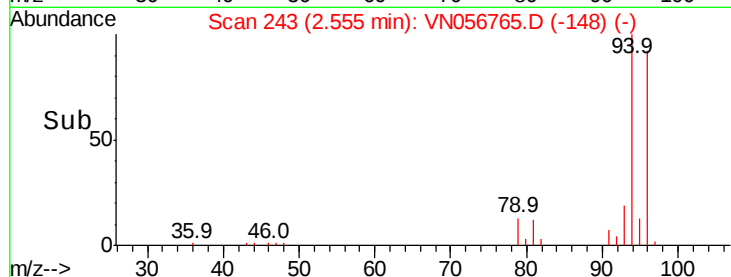
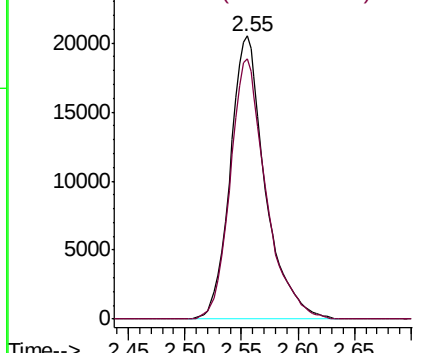
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.068 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN056765.D

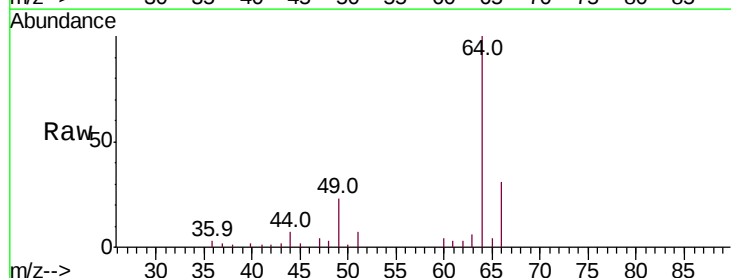
Acq: 16 Jul 2019 13:49

Tgt Ion: 64 Resp: 41380

Ion Ratio Lower Upper

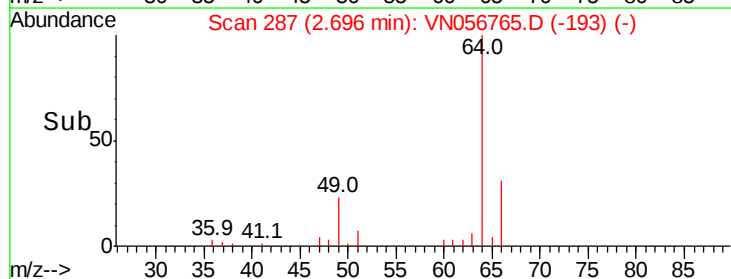
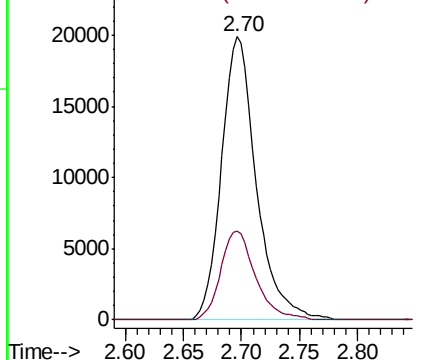
64 100

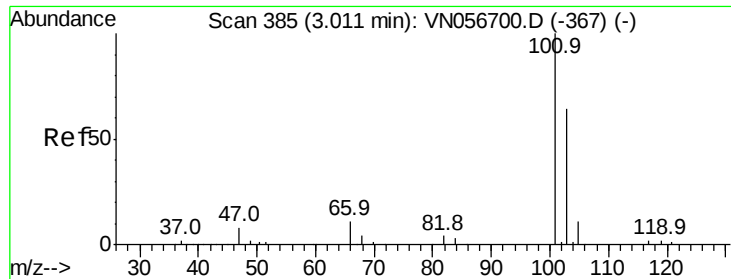
66 31.4 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

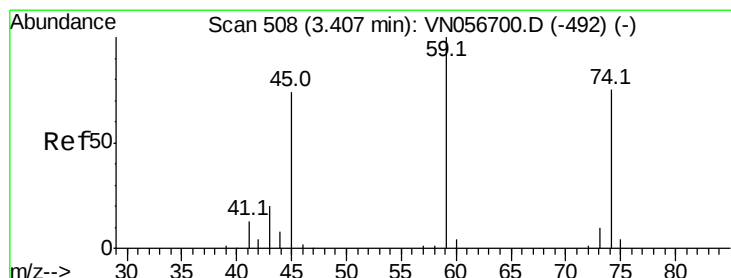
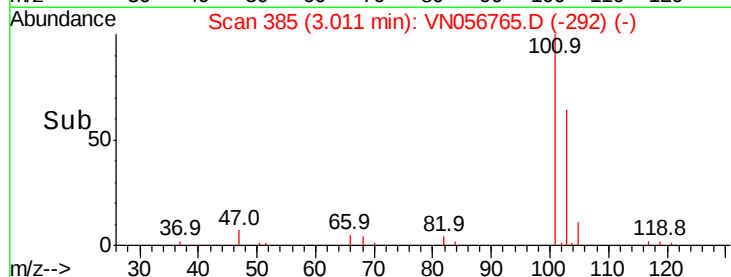
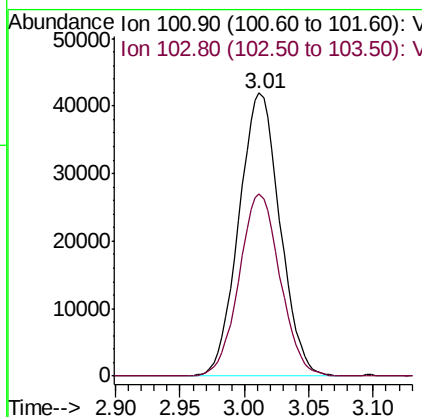
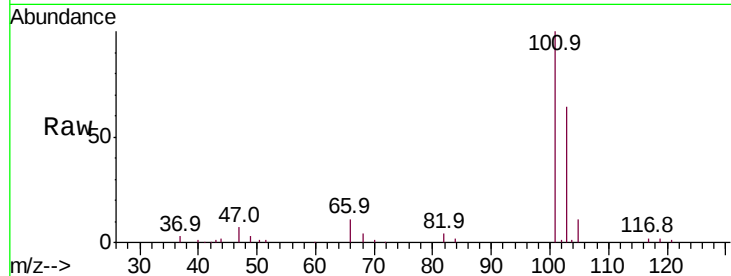
Trichlorofluoromethane
Concen: 19.484 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
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ClientSampleId :
VN0716WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.5	77.3

Manual Integrations
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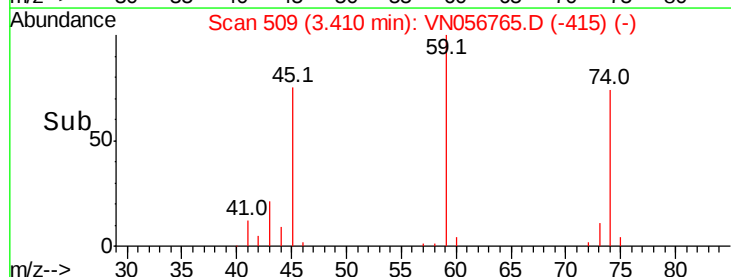
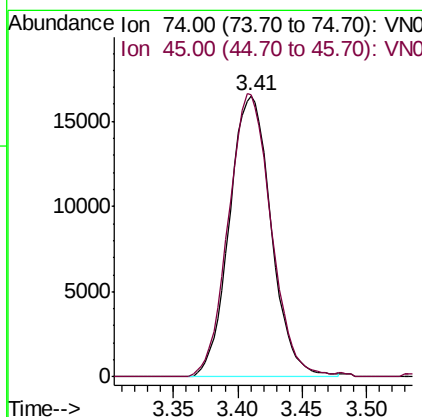
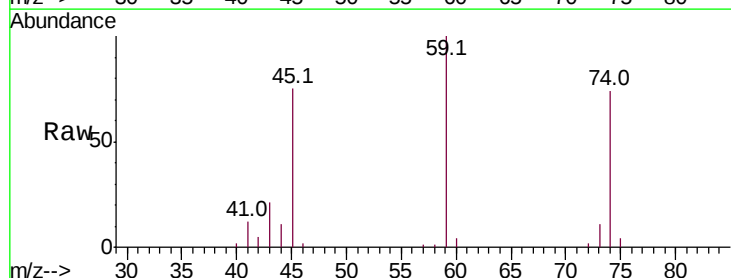
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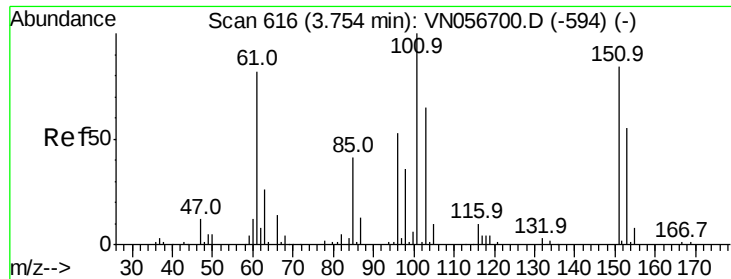


#8

Diethyl Ether
Concen: 19.956 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	49.4	148.2





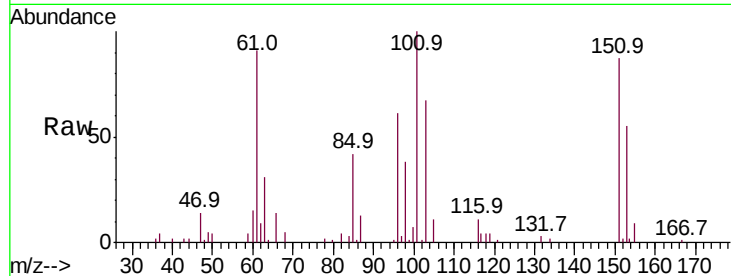
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.504 ug/l
RT: 3.75 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

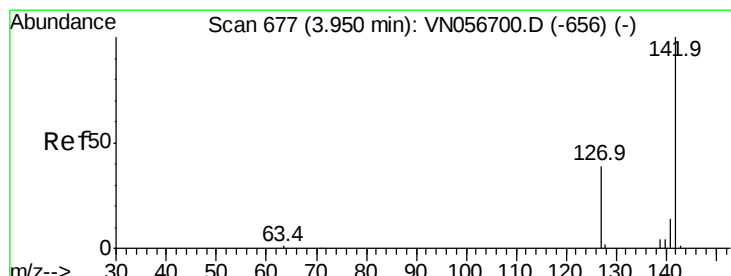
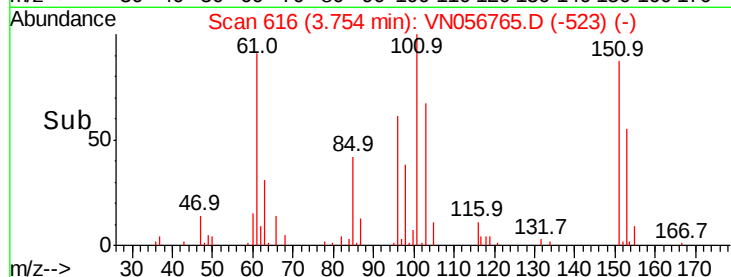
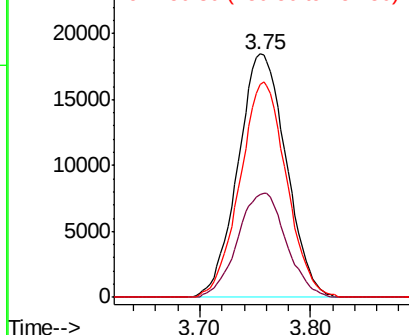
Tot Ion	Ratio	Lower	Upper
101	100		
85	42.9	33.3	49.9
151	85.3	67.0	100.6

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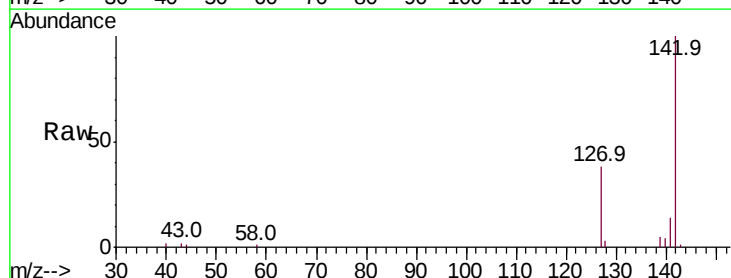


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

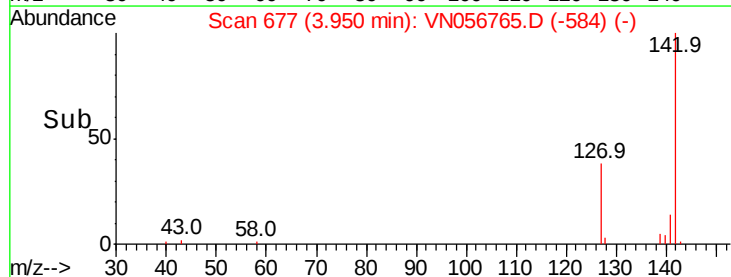
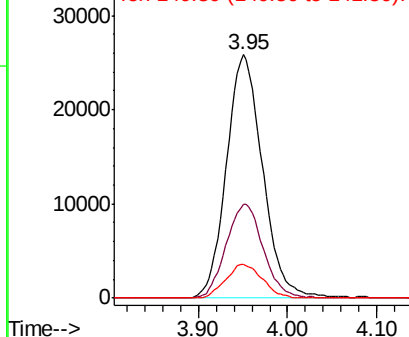


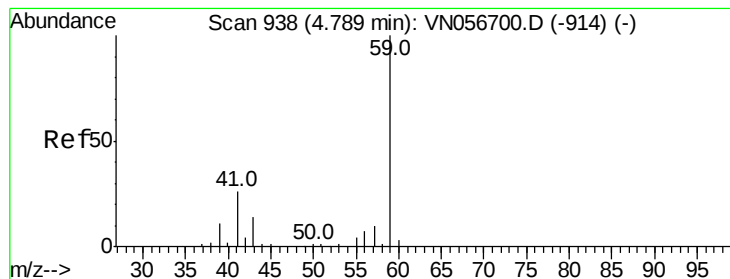
#10
Methyl Iodide
Concen: 18.903 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.3	30.7	46.1
141	14.0	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

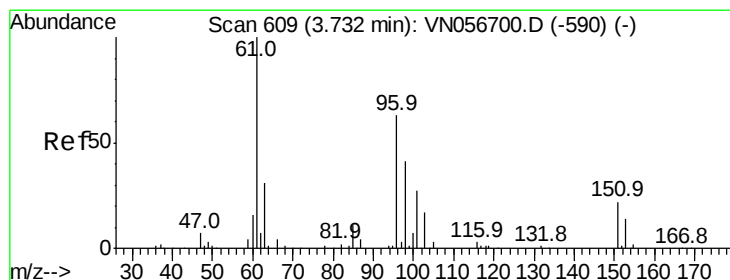
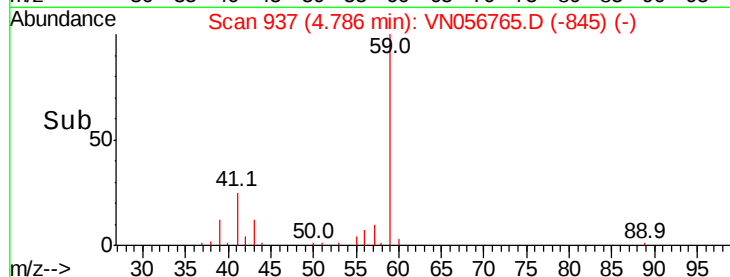
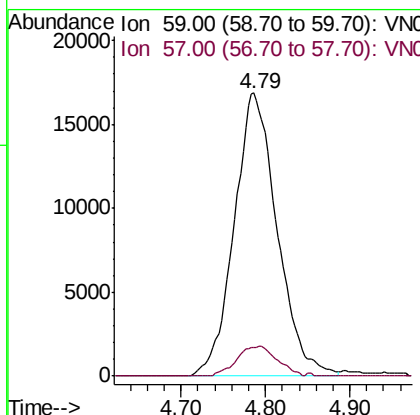
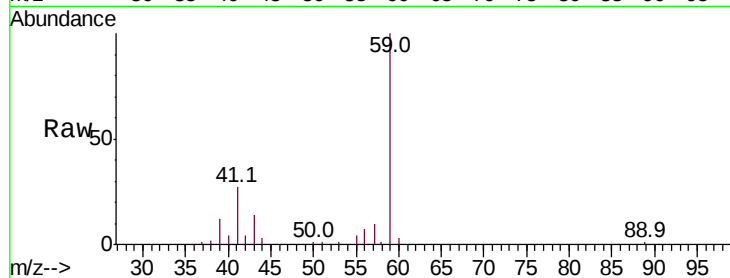
Tert butyl alcohol
Concen: 106.042 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion	59	Resp	59809
Ion Ratio	100	Lower	Upper
57	9.9	8.0	12.0

Manual Integrations
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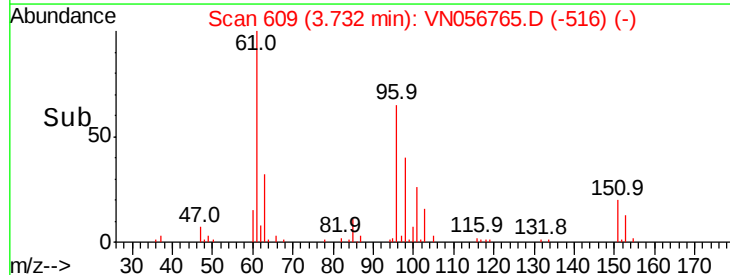
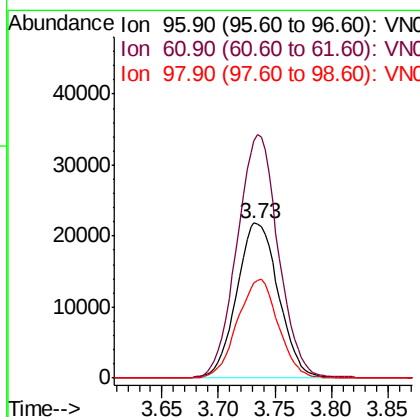
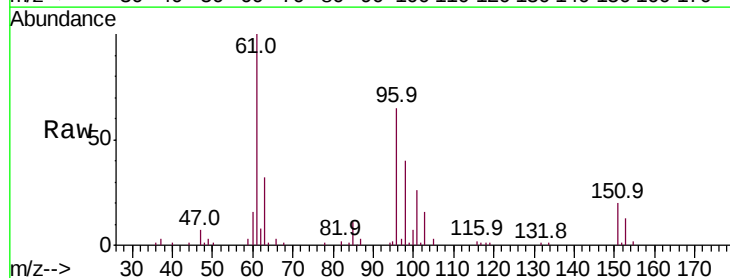
MMDadoda
7/17/2019 4:57:26 PM

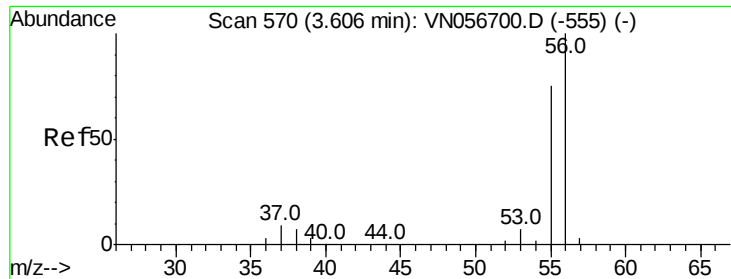


#12

1,1-Dichloroethene
Concen: 19.551 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion	96	Resp	56301
Ion Ratio	100	Lower	Upper
61	153.0	126.6	189.8
98	61.3	51.4	77.2





#13

Acrolein

Concen: 110.040 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion: 56 Resp: 19996

Ion Ratio Lower Upper

56 100

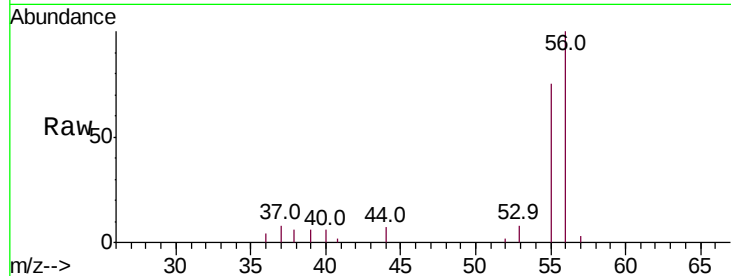
55 74.8 58.0 87.0

Manual Integrations

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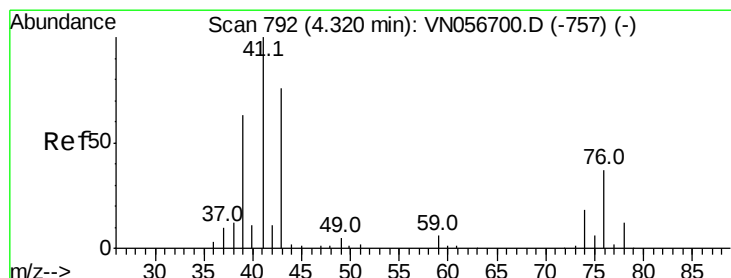
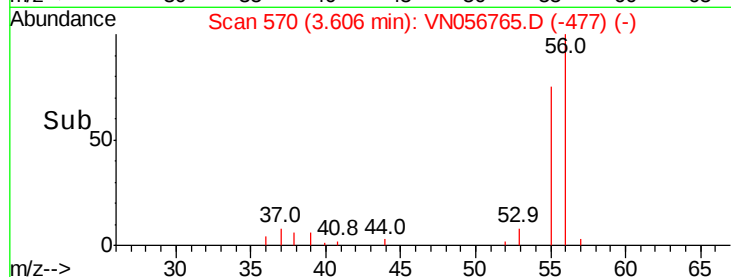
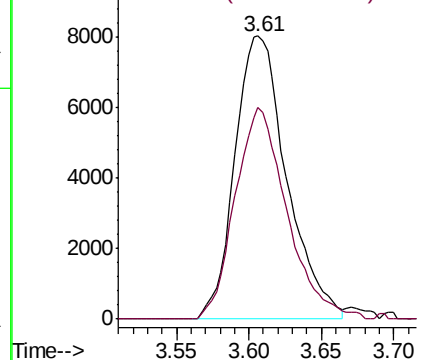
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.122 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

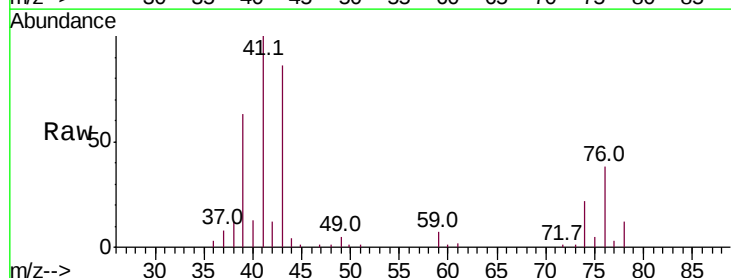
Tgt Ion: 41 Resp: 95230

Ion Ratio Lower Upper

41 100

39 59.5 46.9 70.3

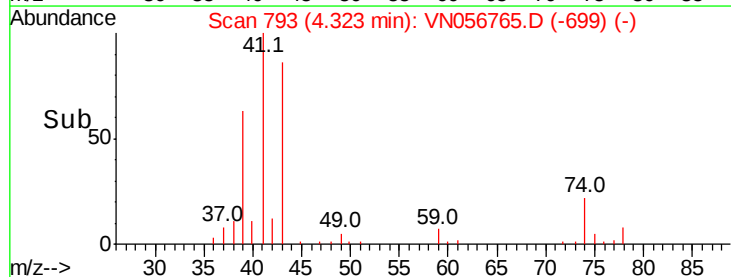
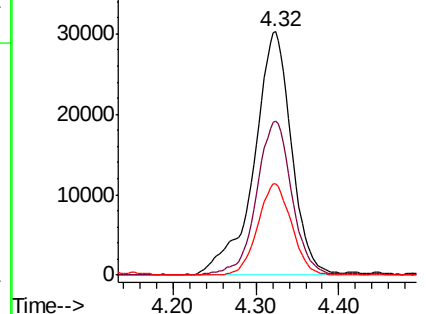
76 33.8 26.5 39.7

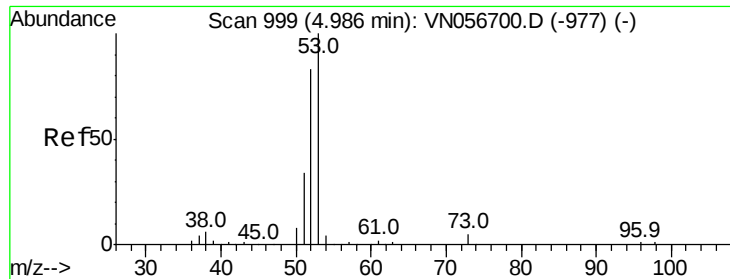


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.395 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

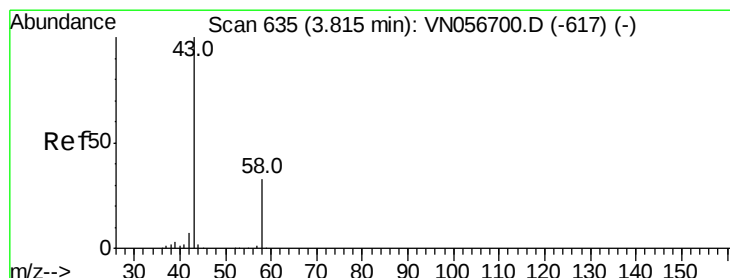
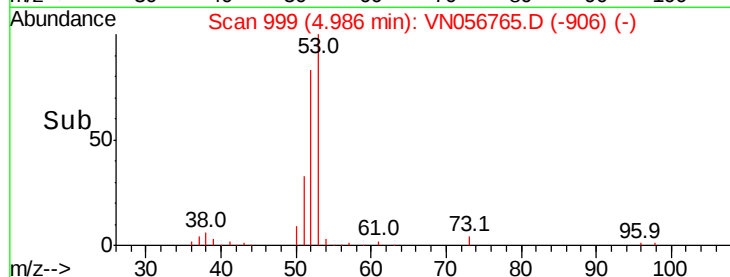
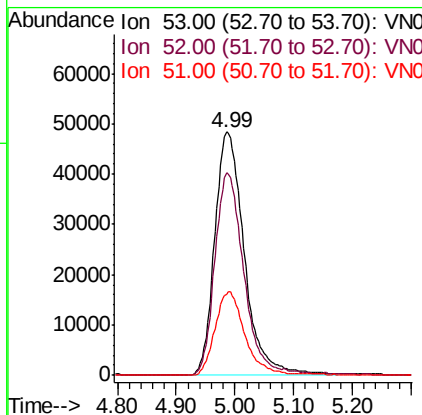
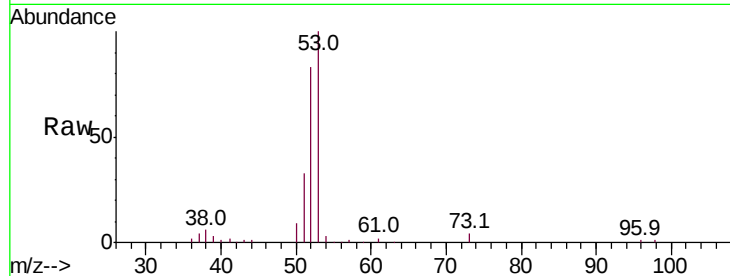
ClientSampleId :

VN0716WBSD01

Tot Ion:	53	Resp:	170038
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	99.8
51	34.6	28.4	42.6

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#16

Acetone

Concen: 84.471 ug/l

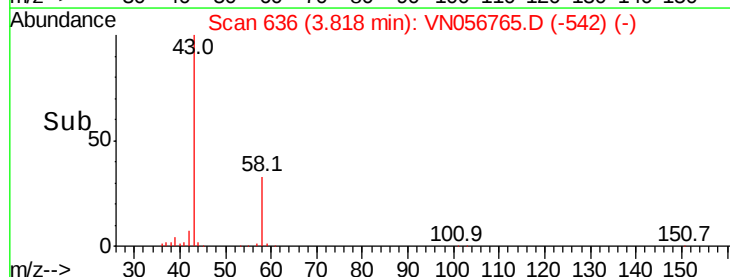
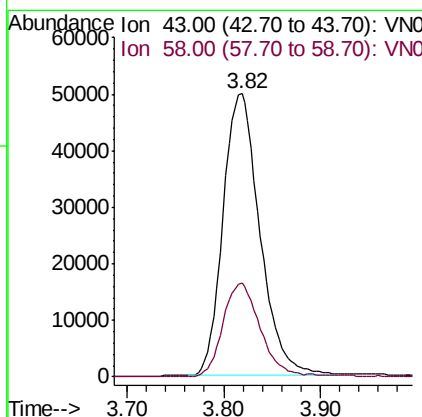
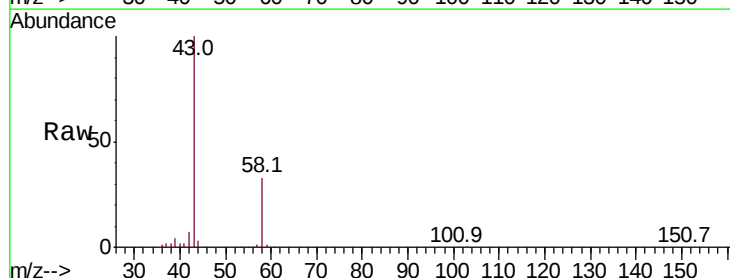
RT: 3.82 min Scan# 636

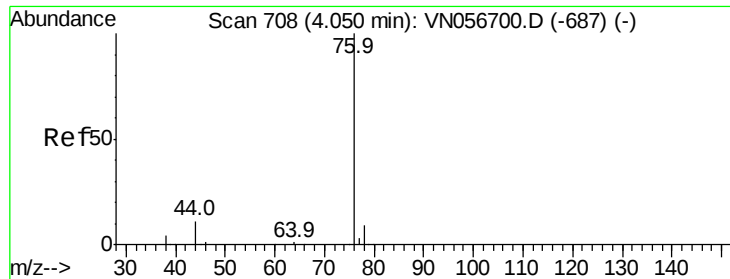
Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Tgt Ion:	43	Resp:	131902
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.7	40.1





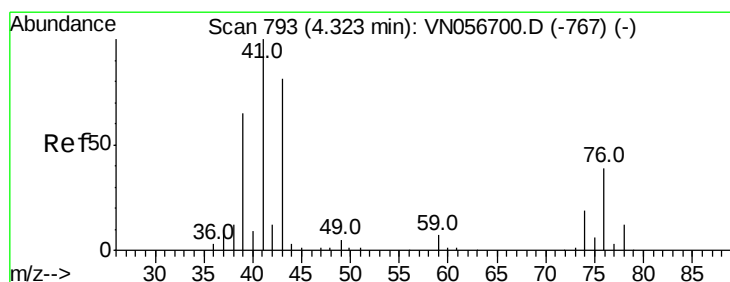
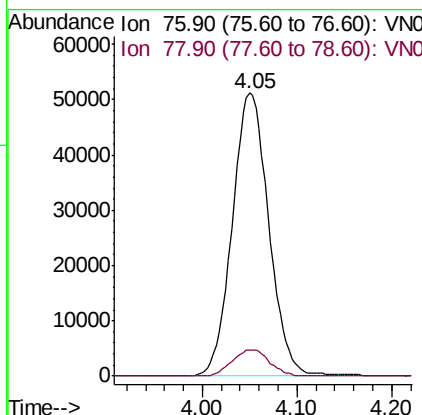
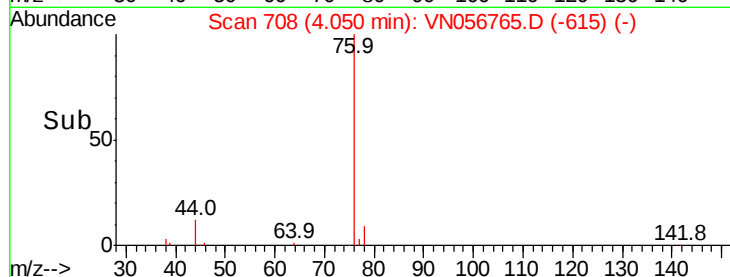
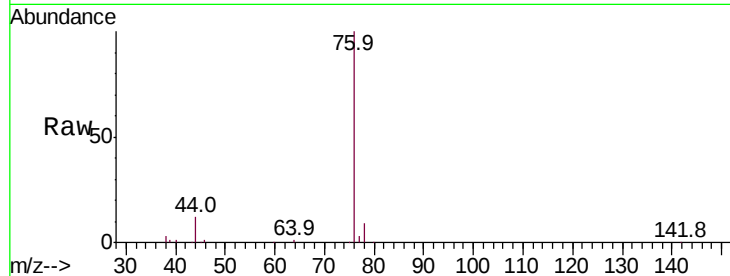
#17
Carbon Disulfide
Concen: 18.031 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion: 76 Resp: 137211
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

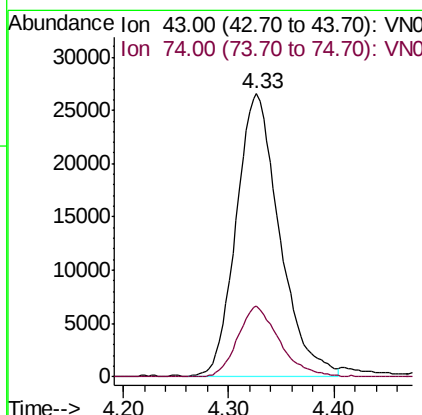
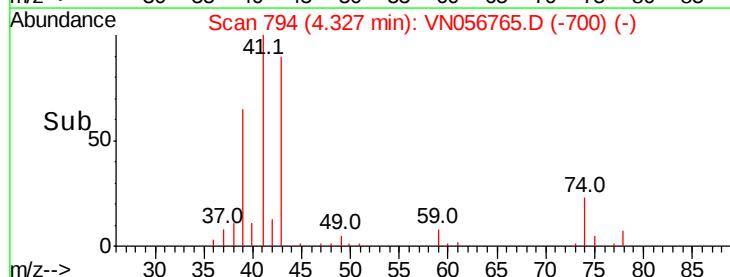
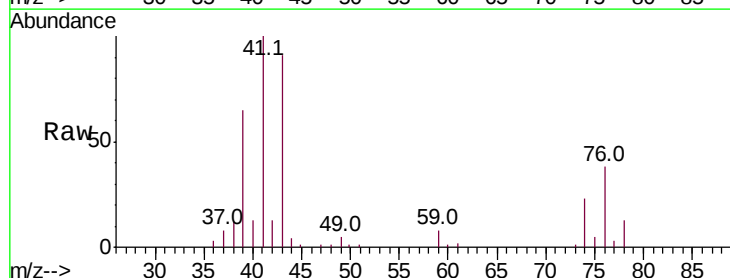
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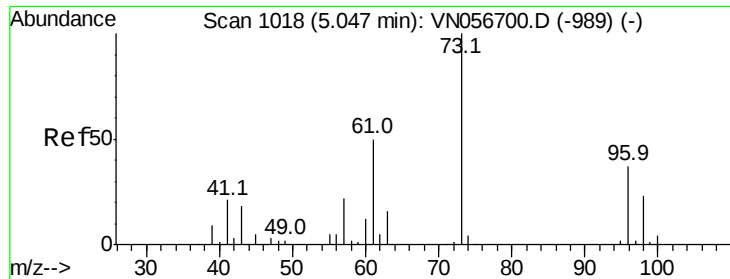
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#18
Methyl Acetate
Concen: 21.137 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion: 43 Resp: 76099
Ion Ratio Lower Upper
43 100
74 24.0 18.9 28.3





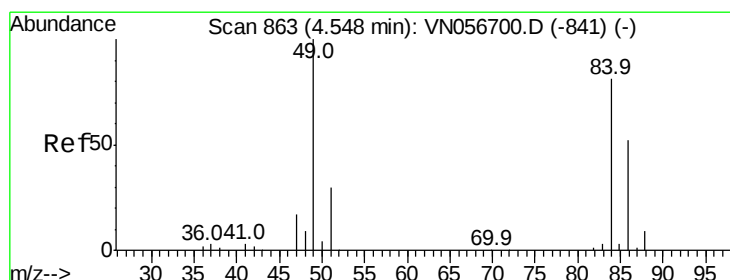
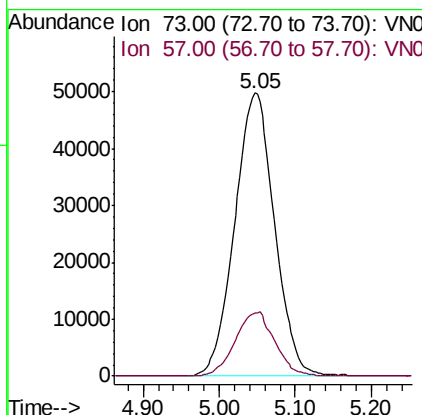
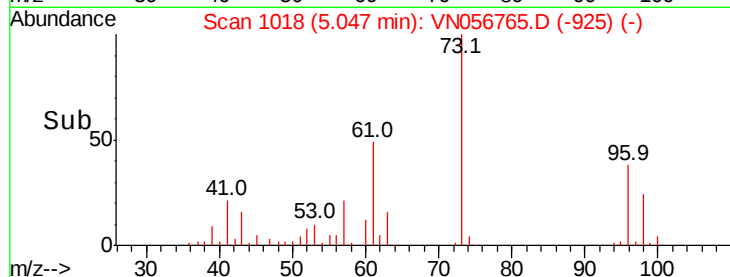
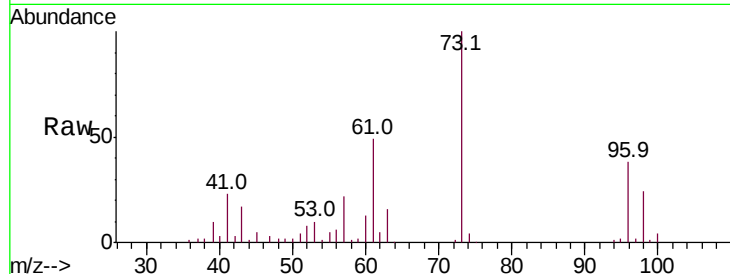
#19
Methyl tert-butyl Ether
Concen: 19.722 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion: 73 Resp: 180959
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9

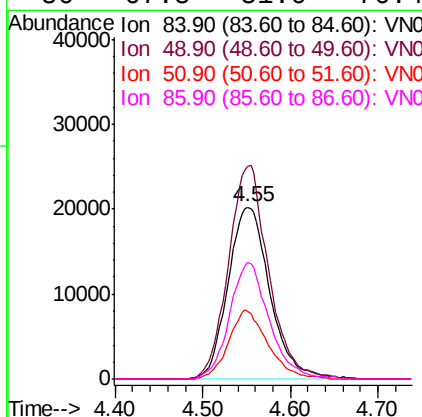
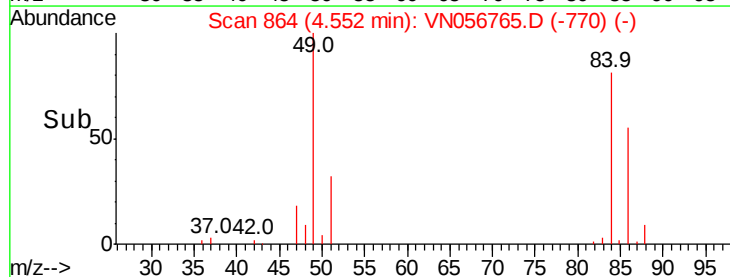
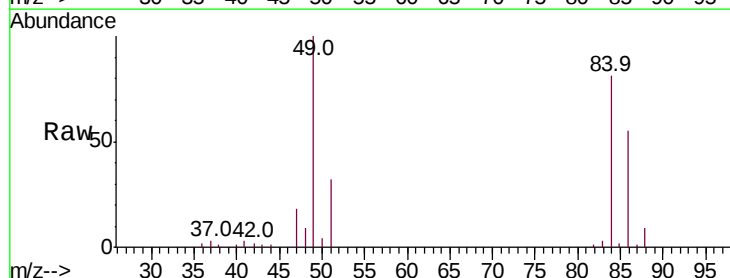
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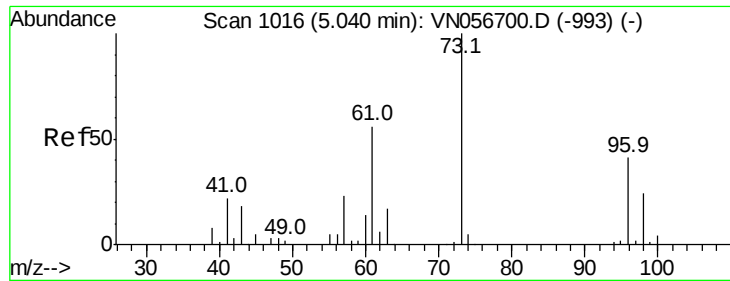
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#20
Methylene Chloride
Concen: 19.663 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion: 84 Resp: 67098
Ion Ratio Lower Upper
84 100
49 123.4 98.2 147.4
51 39.8 29.6 44.4
86 67.5 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 19.795 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampled :

VN0716WBSD01

Tot Ion: 96 Resp: 60256

Ion Ratio Lower Upper

96 100

61 133.5 109.4 164.2

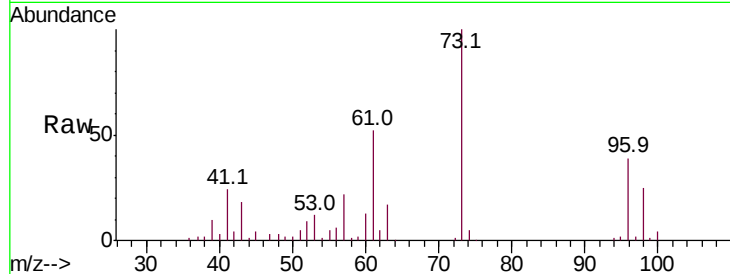
98 64.0 48.0 72.0

Manual Integrations

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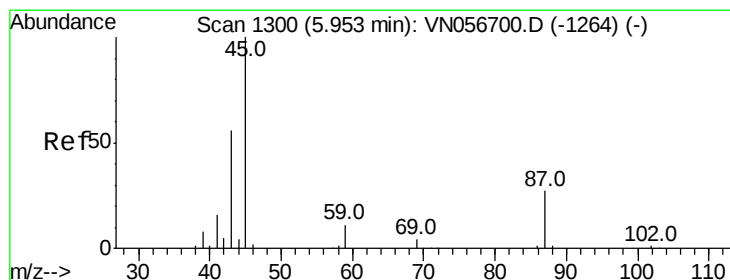
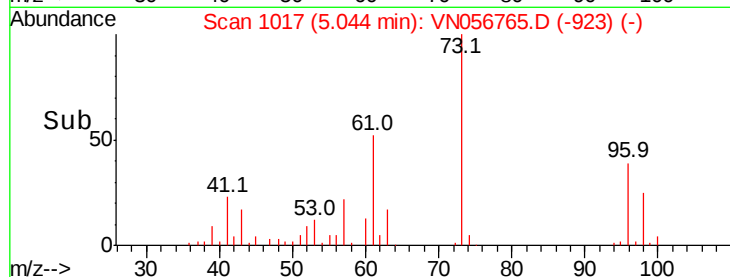
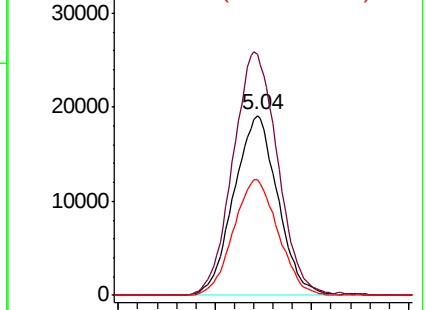
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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.357 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Tgt Ion: 45 Resp: 200110

Ion Ratio Lower Upper

45 100

43 60.0 45.6 68.4

87 26.7 22.0 33.0

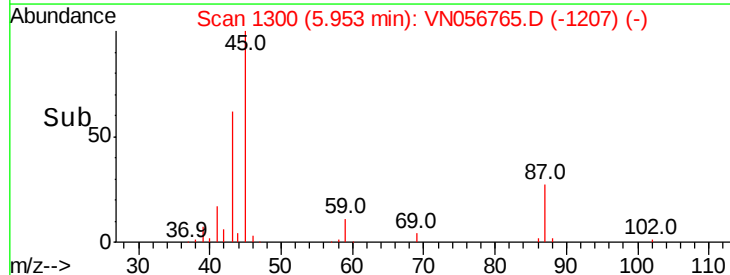
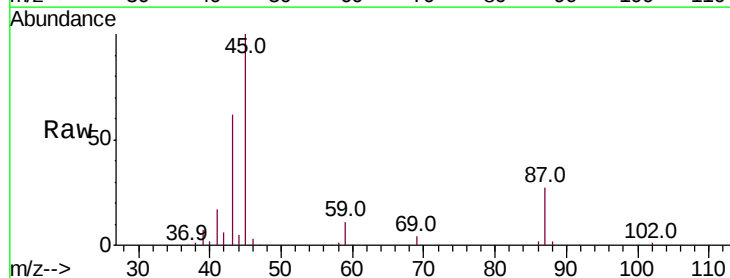
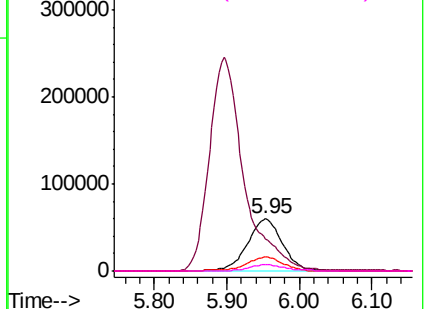
59 11.1 9.3 13.9

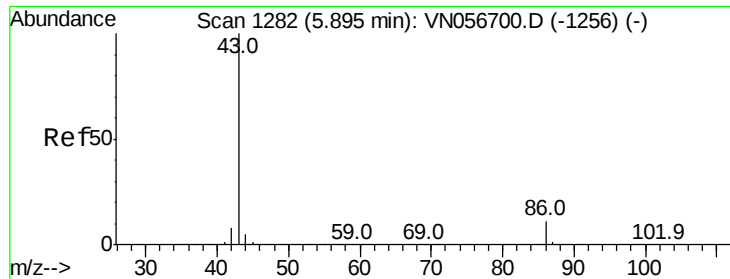
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





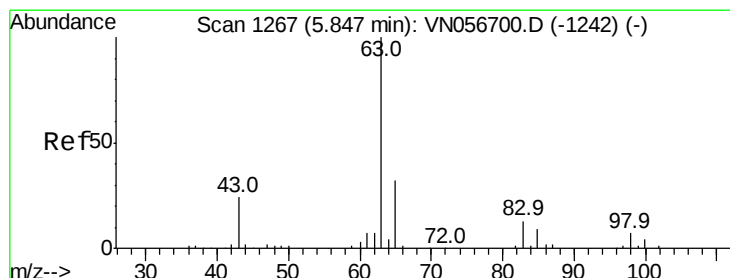
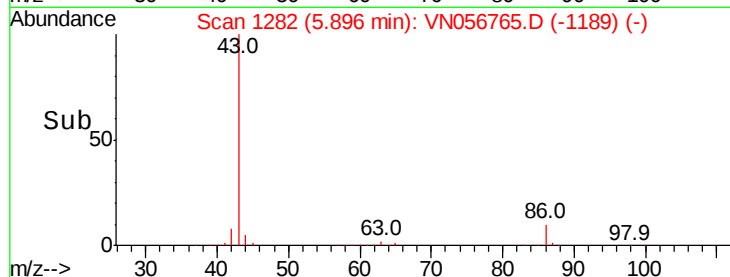
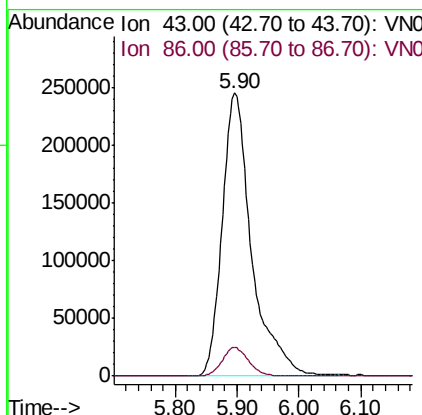
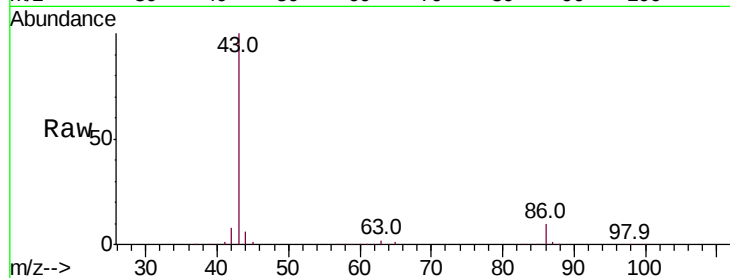
#23
 Vinyl Acetate
 Concen: 102.183 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.5	12.7

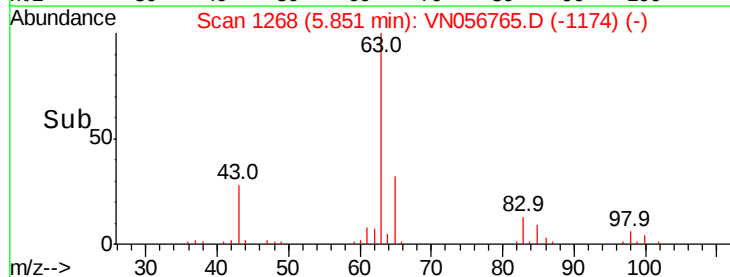
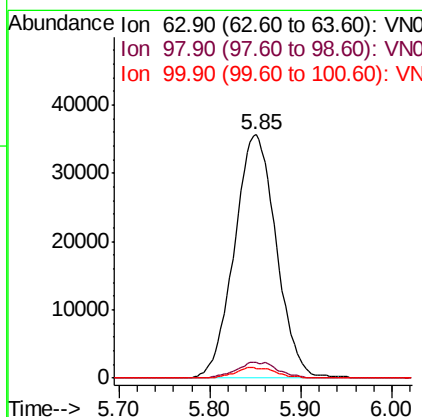
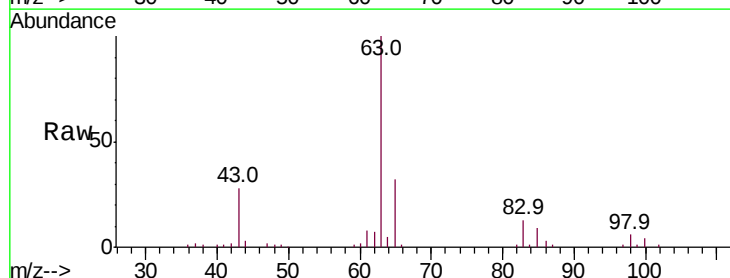
Manual Integrations
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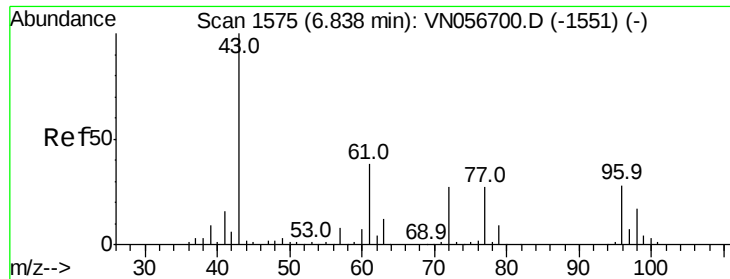
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.947 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.9
100	4.0	2.0	5.8





#25

2-Butanone

Concen: 95.835 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion: 43 Resp: 218784

Ion Ratio Lower Upper

43 100

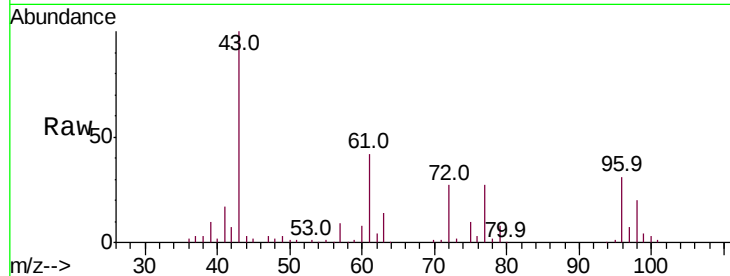
72 26.7 21.2 31.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

80000

60000

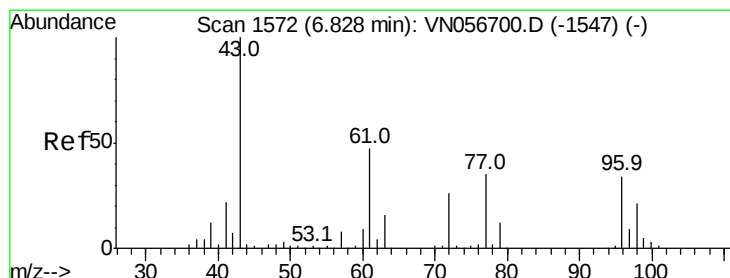
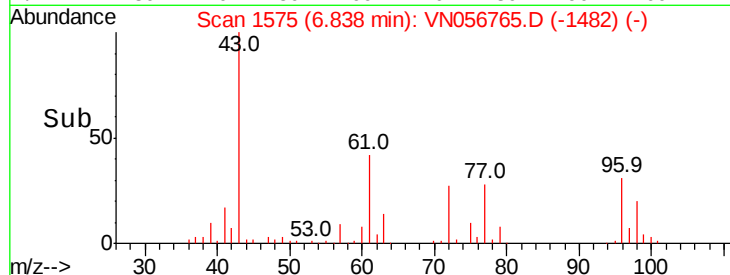
40000

20000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 18.319 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056765.D

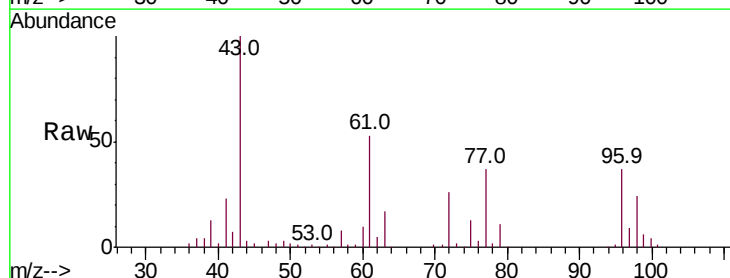
Acq: 16 Jul 2019 13:49

Tgt Ion: 77 Resp: 75278

Ion Ratio Lower Upper

77 100

97 24.3 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

25000

20000

15000

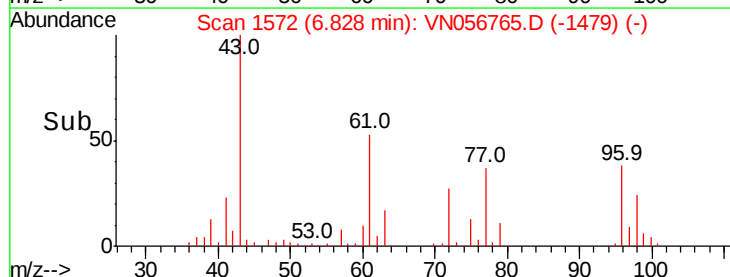
10000

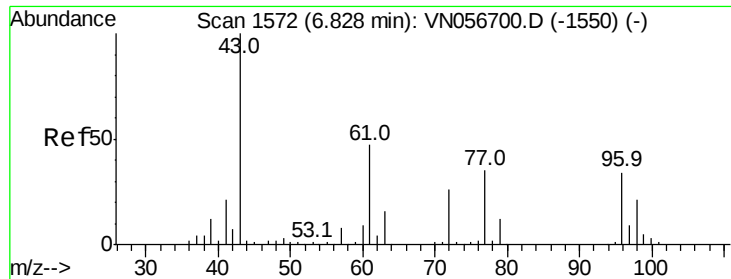
5000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.331 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

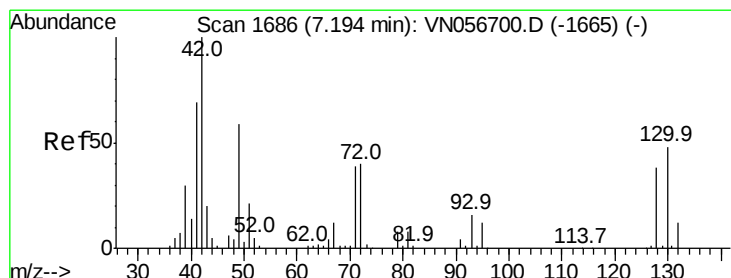
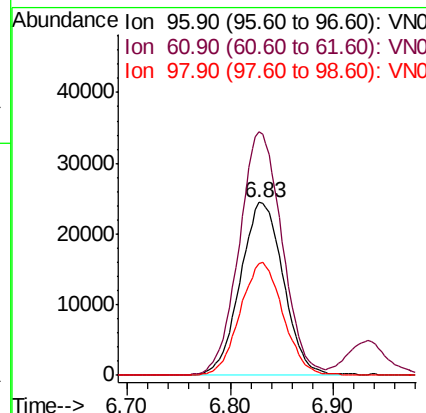
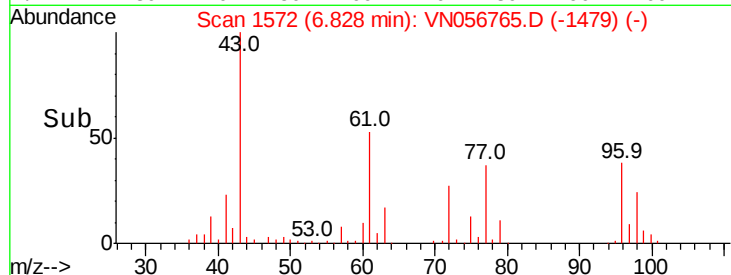
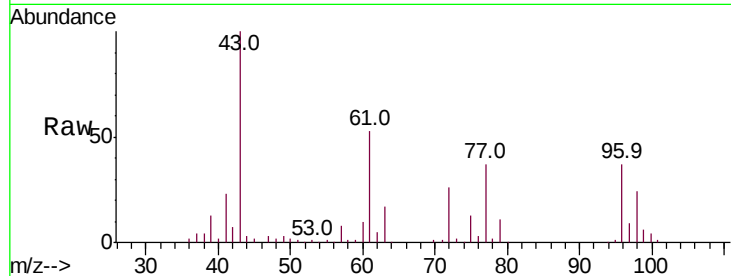
ClientSampleId :

VN0716WBSD01

Tot Ion:	96	Resp:	71211
Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	281.4
98	64.7	0.0	127.8

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#28

Bromochloromethane

Concen: 20.708 ug/l

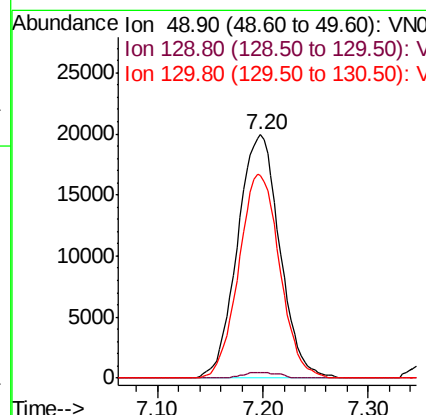
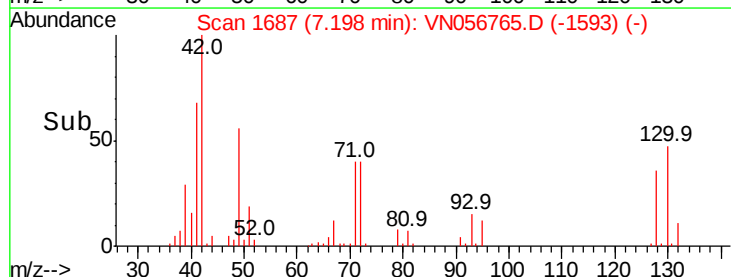
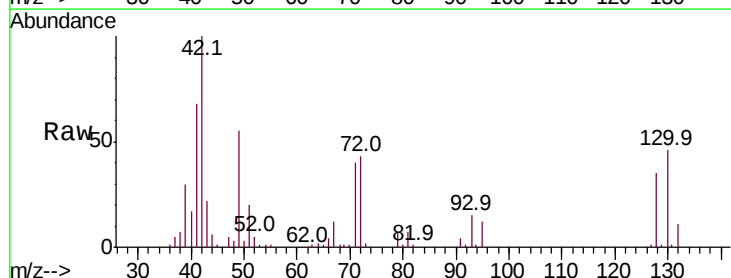
RT: 7.20 min Scan# 1687

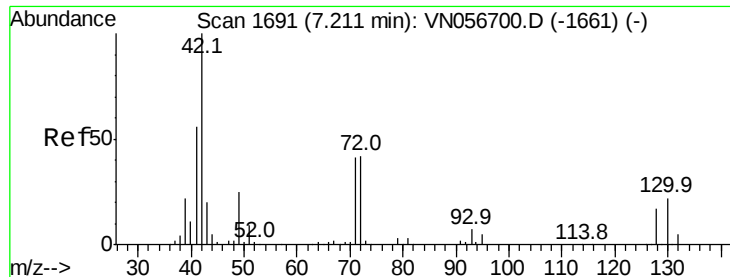
Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Tgt Ion:	49	Resp:	55490
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	81.0	64.7	97.1





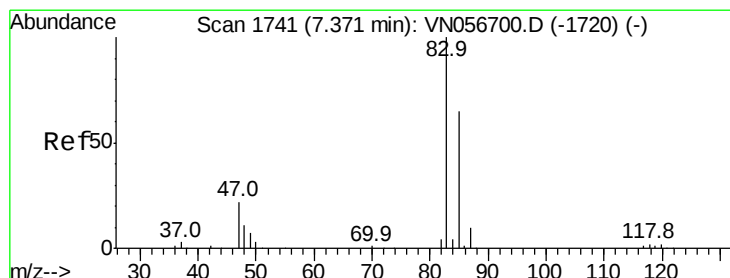
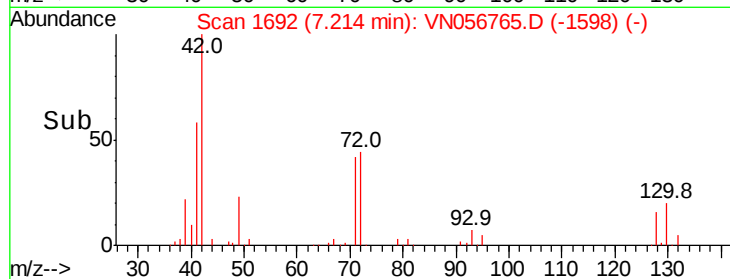
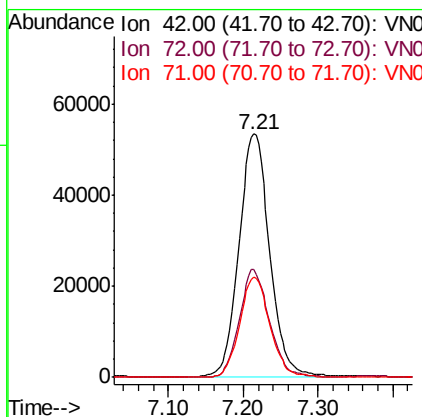
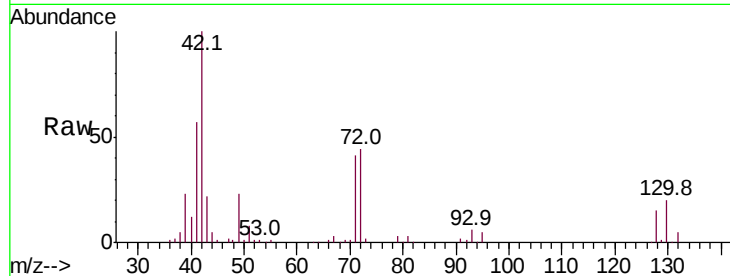
#29
Tetrahydrofuran
Concen: 102.918 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0716WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.5	50.3
71	40.5	31.8	47.8

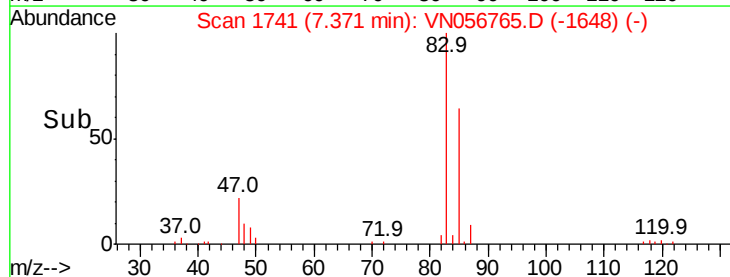
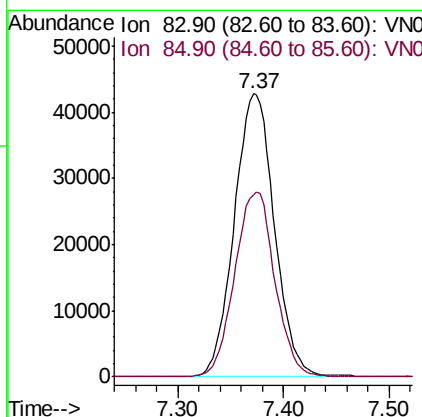
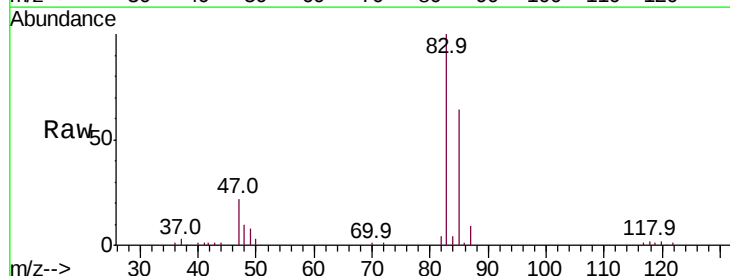
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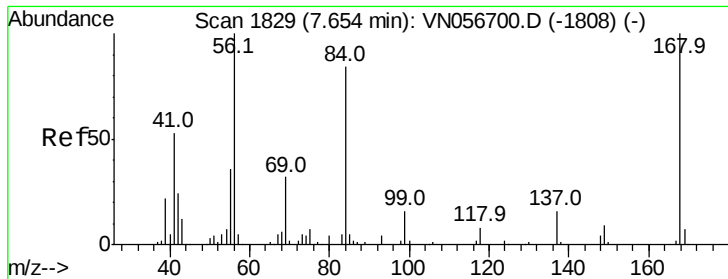
MMDadoda
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#30
Chloroform
Concen: 19.804 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.9	77.9





#31

Cyclohexane

Concen: 20.197 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

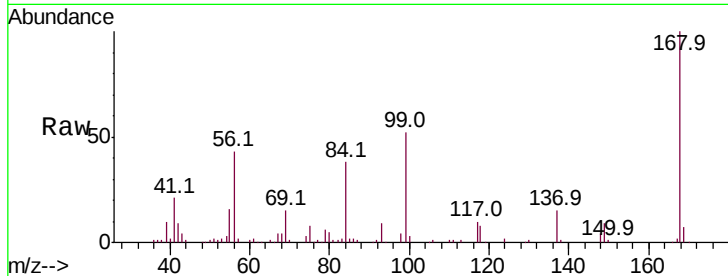
ClientSampleId :

VN0716WBSD01

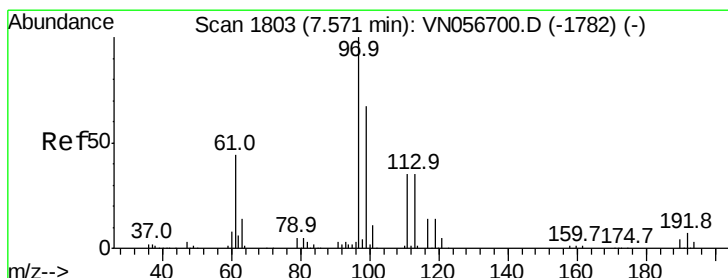
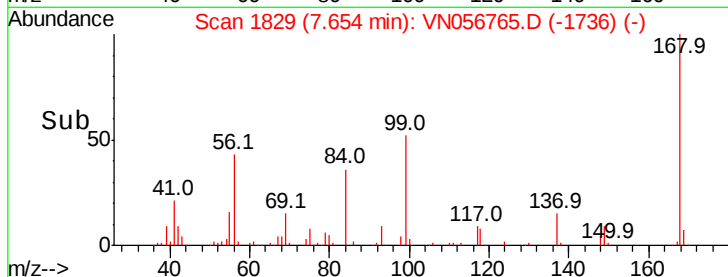
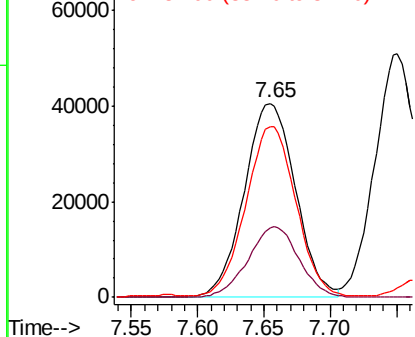
Tot Ion:	56	Resp:	109404
Ion Ratio	Lower	Upper	
56	100		
69	36.1	25.8	38.8
84	87.4	67.4	101.0

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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 20.022 ug/l

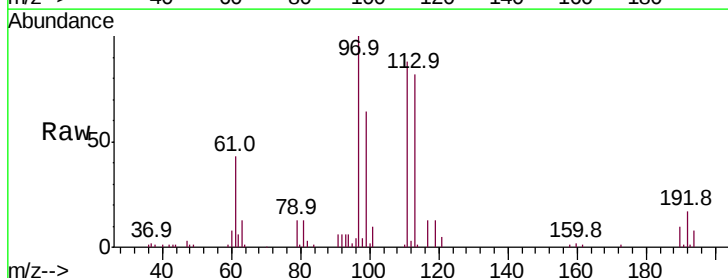
RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

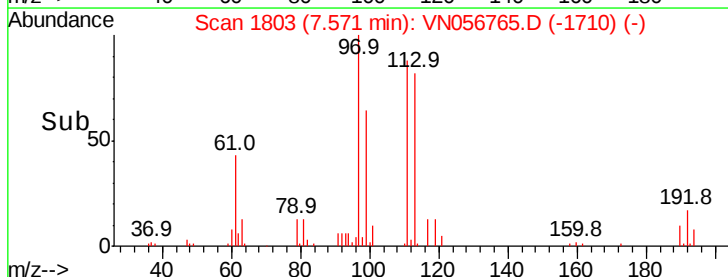
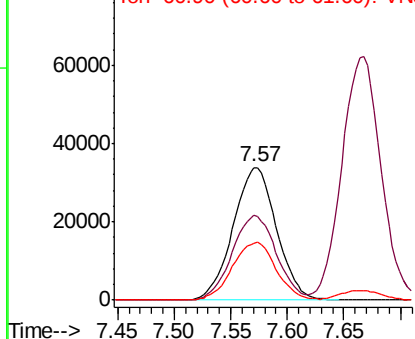
Lab File: VN056765.D

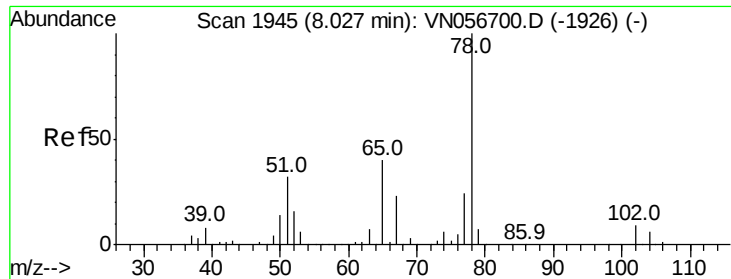
Acq: 16 Jul 2019 13:49

Tgt Ion:	97	Resp:	90305
Ion Ratio	Lower	Upper	
97	100		
99	65.0	52.0	78.0
61	44.2	34.3	51.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 51.578 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion: 65 Resp: 174770

Ion Ratio Lower Upper

65 100

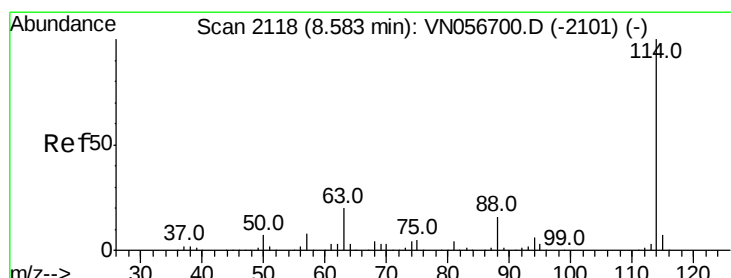
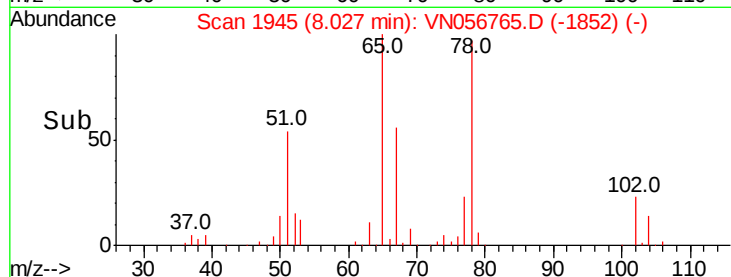
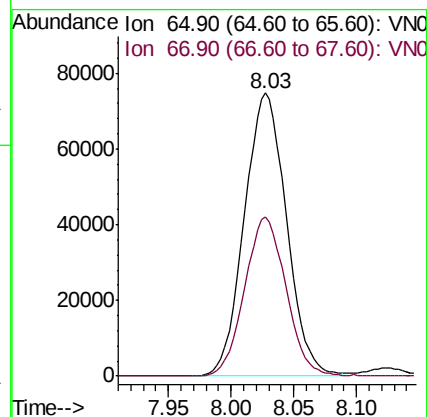
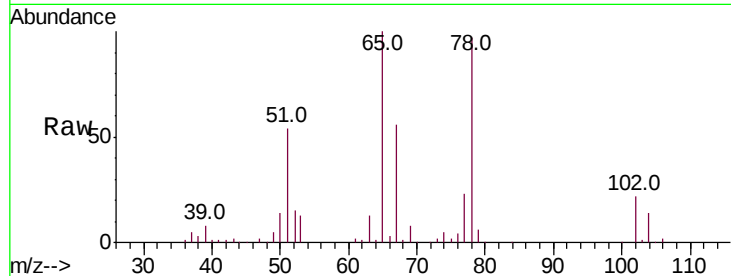
67 55.0 0.0 109.0

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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: VN056765.D

Acq: 16 Jul 2019 13:49

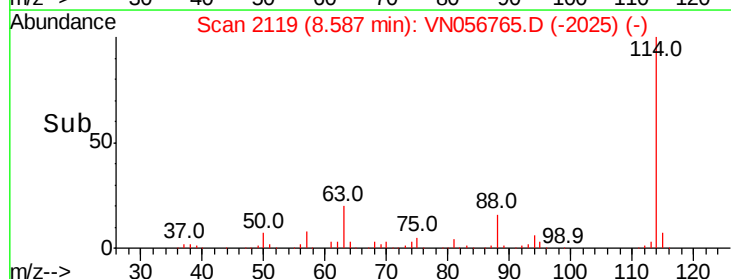
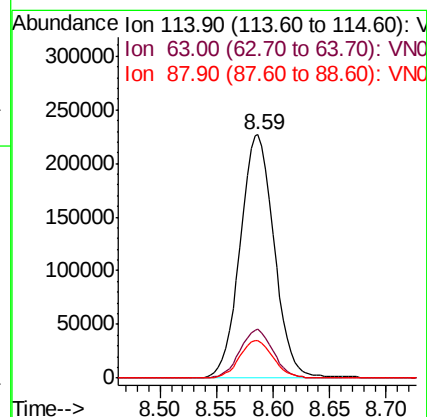
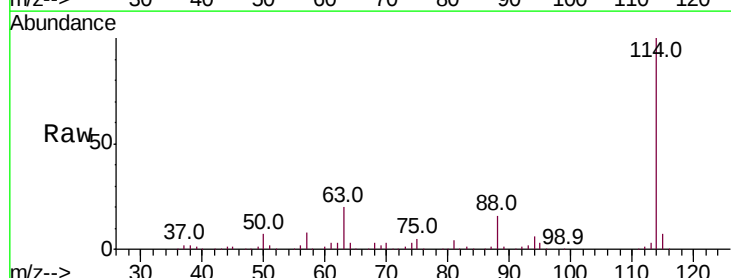
Tgt Ion: 114 Resp: 474996

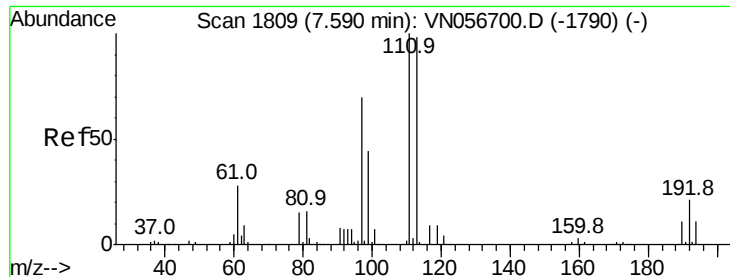
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 15.6 0.0 31.2





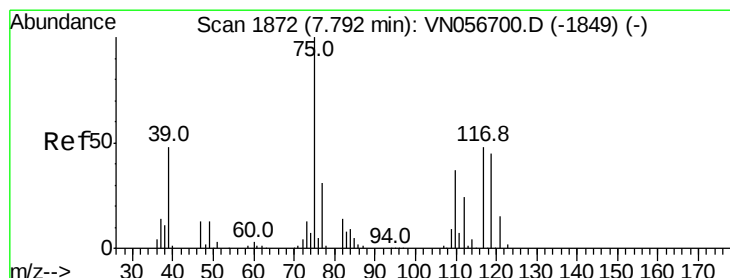
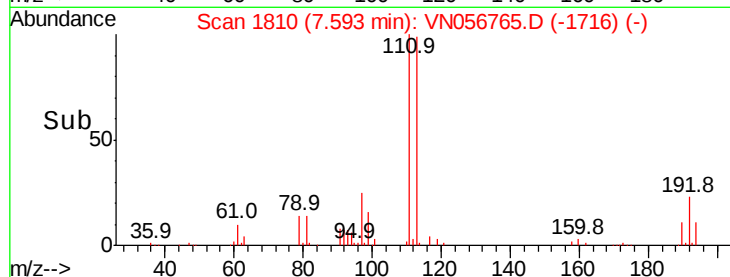
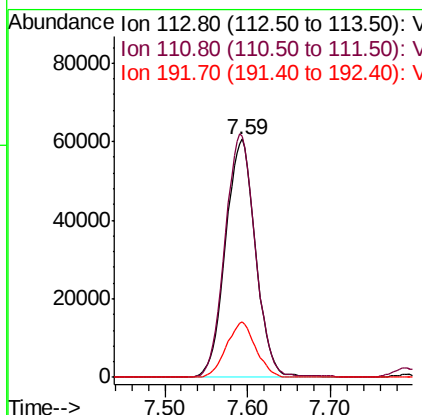
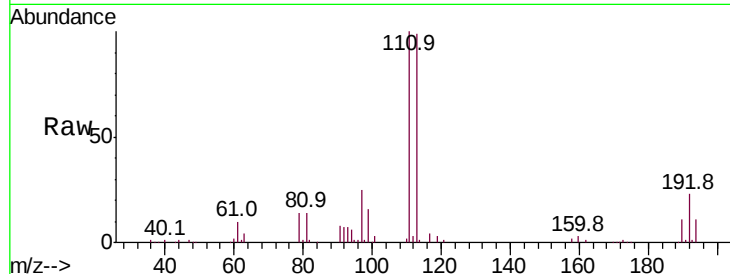
#35
 Dibromofluoromethane
 Concen: 51.610 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	81.8	122.6	
192	22.5	17.5	26.3	

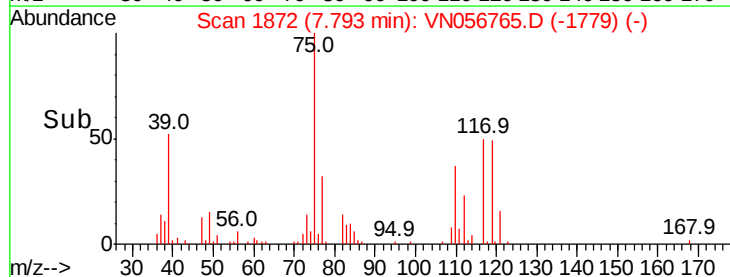
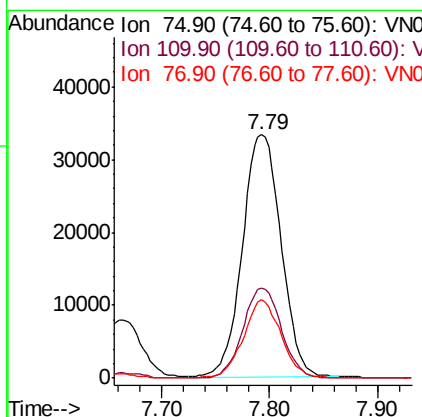
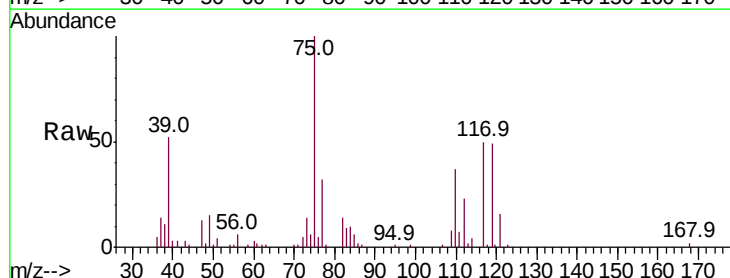
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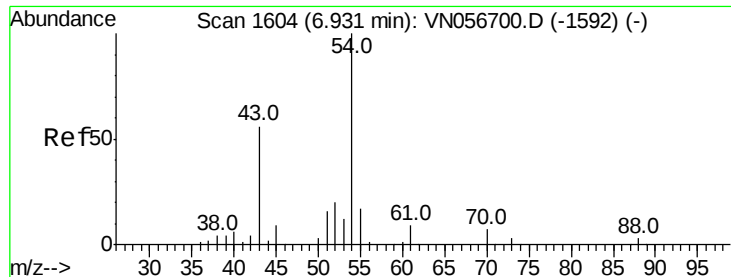
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#36
 1,1-Dichloropropene
 Concen: 18.861 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	18.4	55.4	
77	31.5	24.6	36.8	





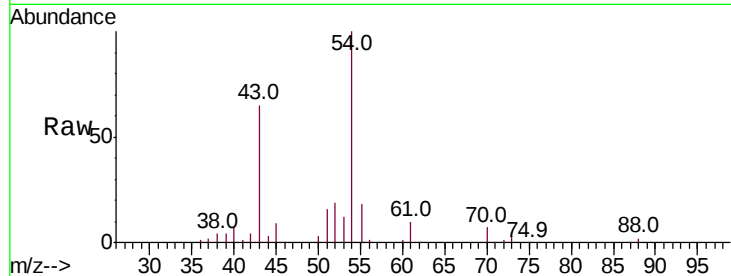
#37
Ethyl Acetate
Concen: 20.288 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.3	16.9
70	10.8	8.5	12.7

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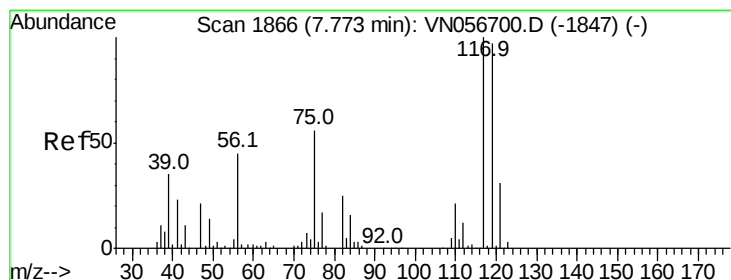
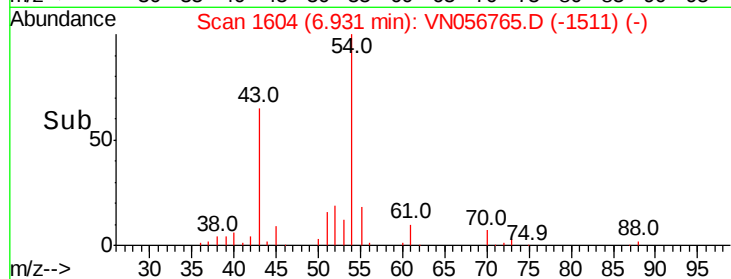
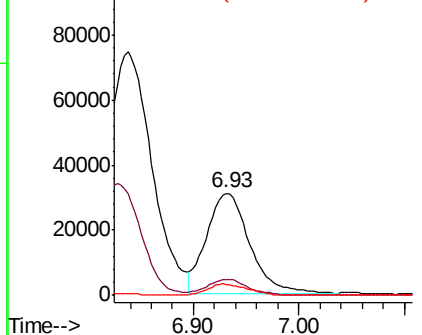


Abundance

Ion 43.00 (42.70 to 43.70): VN0

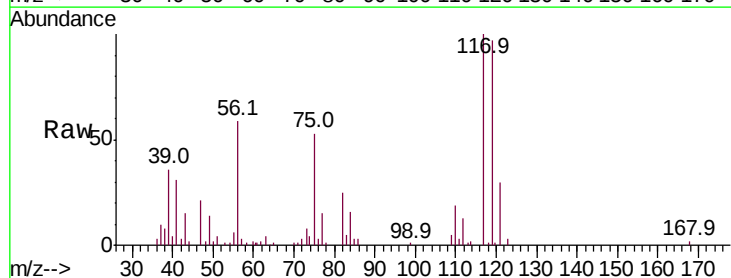
Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38
Carbon Tetrachloride
Concen: 18.968 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.5	116.3
121	29.9	24.7	37.1

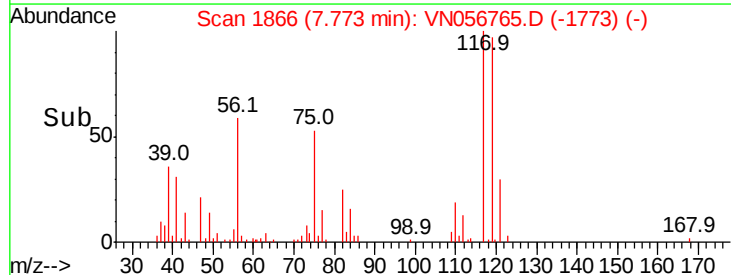
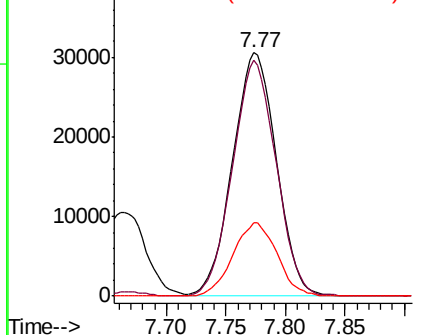


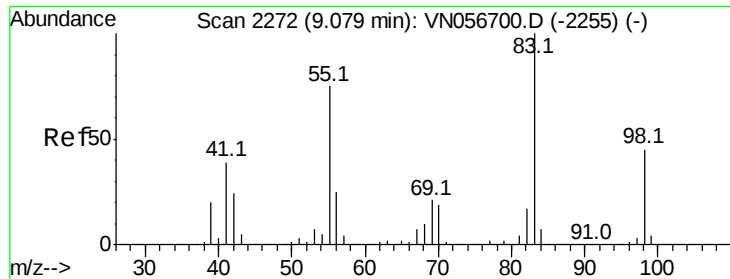
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





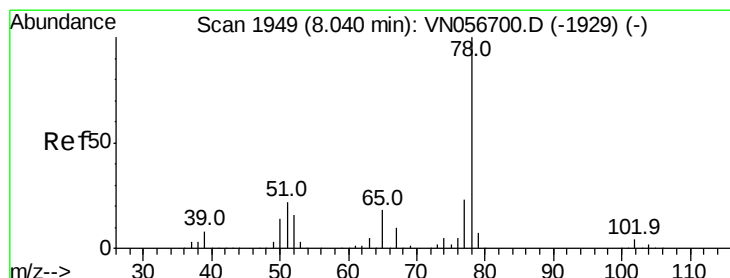
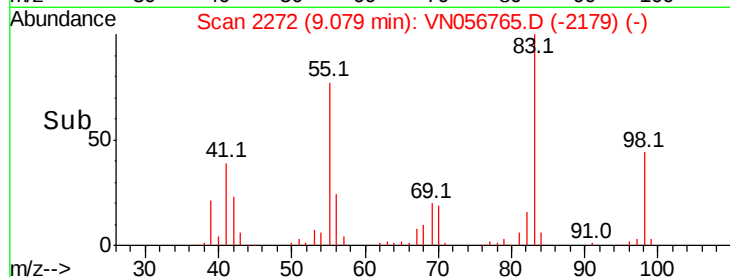
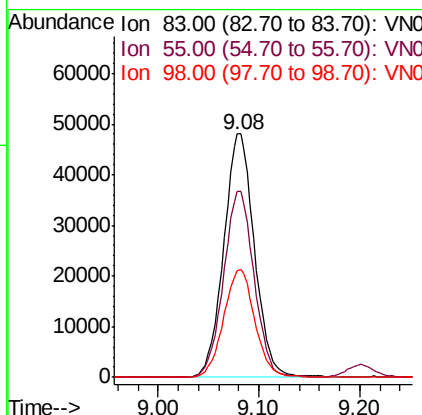
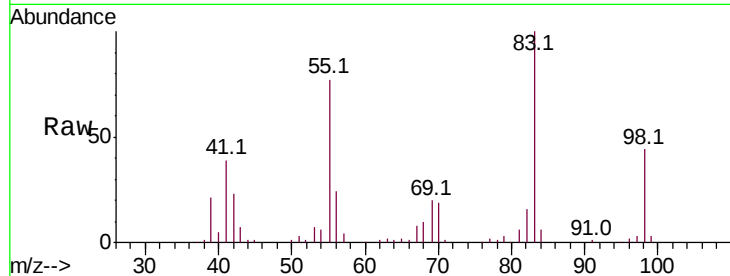
#39
Methvlcvclohexane
Concen: 18.780 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.6	60.4	90.6	
98	43.9	35.8	53.8	

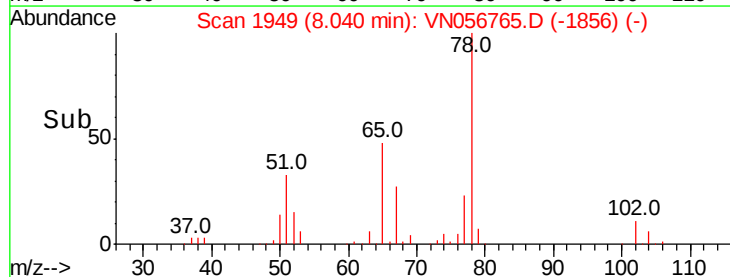
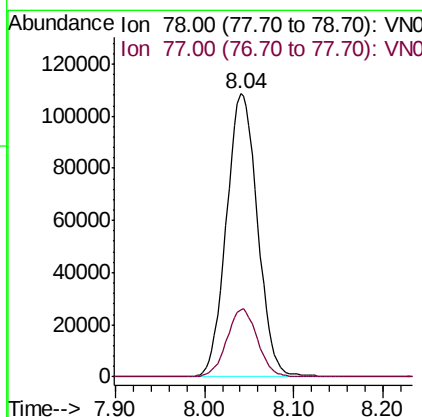
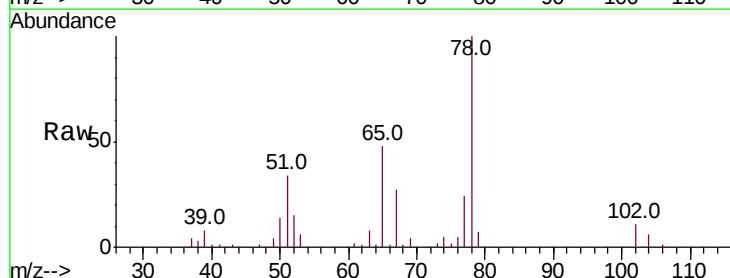
Manual Integrations
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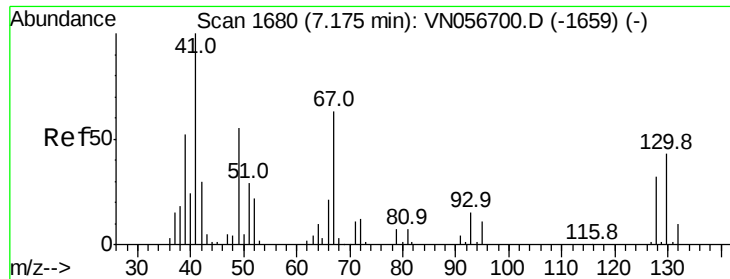
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#40
Benzene
Concen: 19.514 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	18.6	27.8	





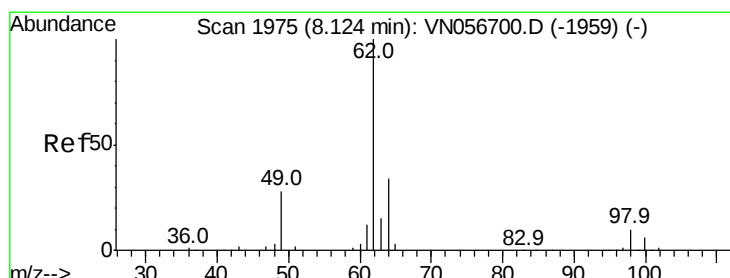
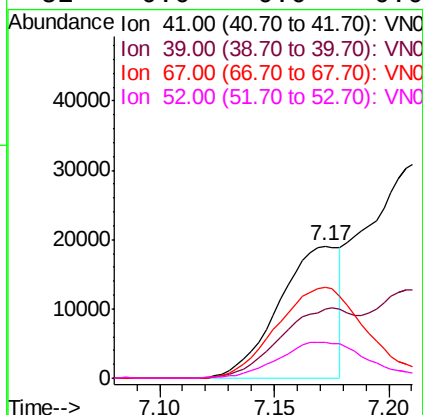
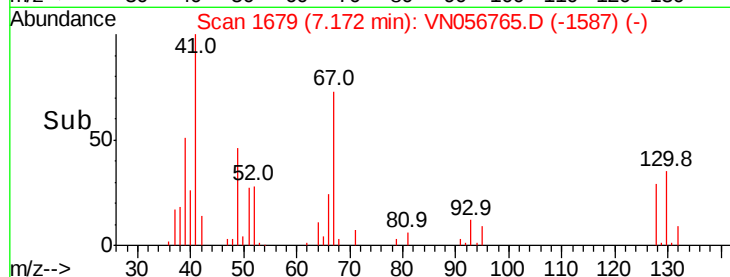
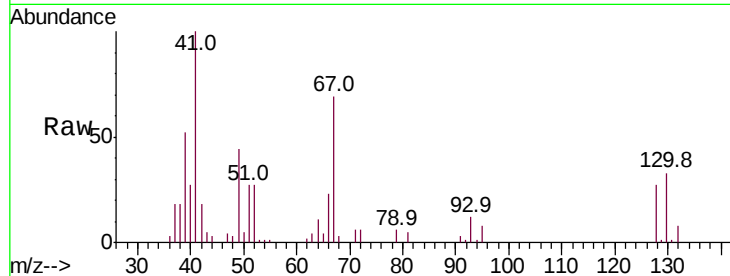
#41
Methacrylonitrile
Concen: 18.510 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion	41	Resp	35223
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

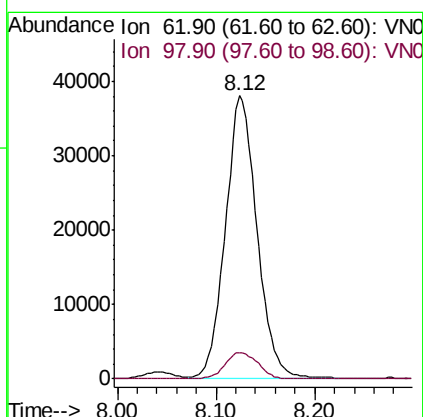
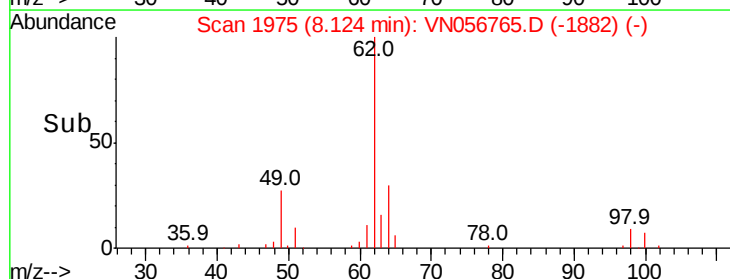
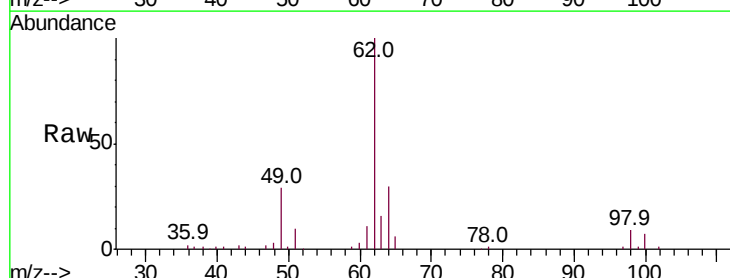
Manual Integrations
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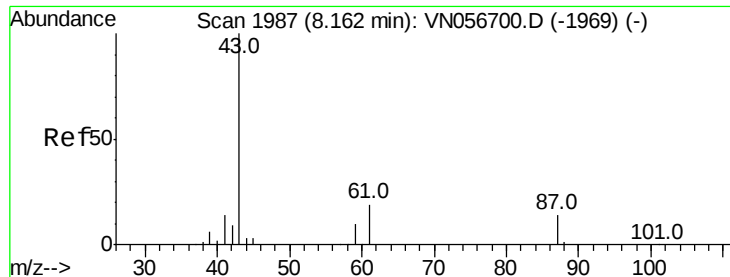
MMDadoda
7/17/2019 4:57:26 PM



#42
1,2-Dichloroethane
Concen: 20.055 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion	62	Resp	85365
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.8





#43

Isopropyl Acetate

Concen: 20.244 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

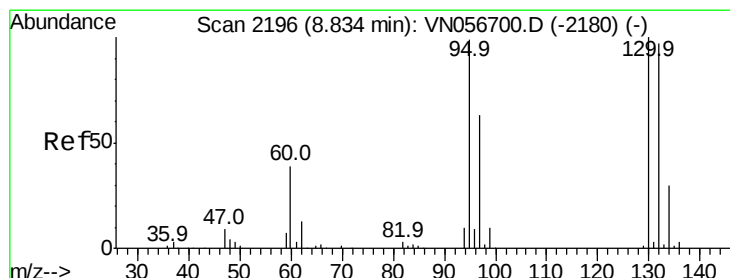
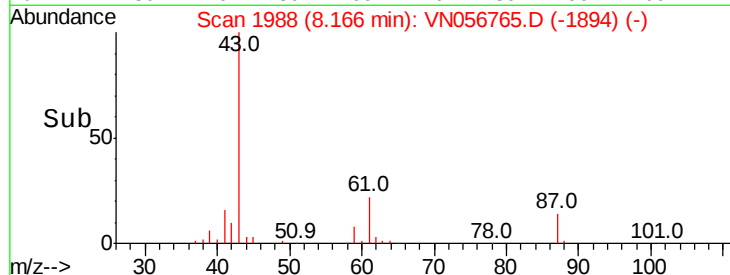
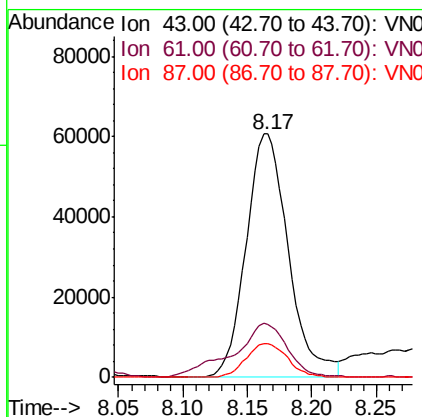
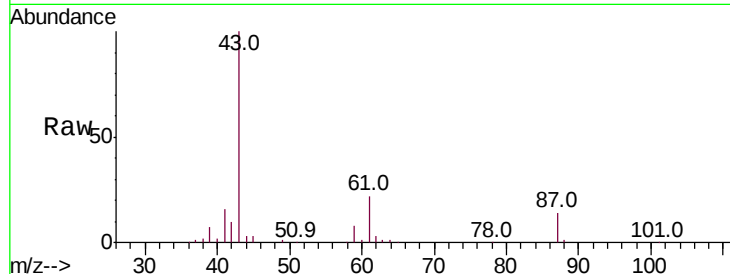
ClientSampleId :

VN0716WBSD01

Tot Ion:	43	Resp:	137872
Ion Ratio	Lower	Upper	
43	100		
61	28.8	22.3	33.5
87	13.8	11.1	16.7

Manual Integrations
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#44

Trichloroethene

Concen: 19.460 ug/l

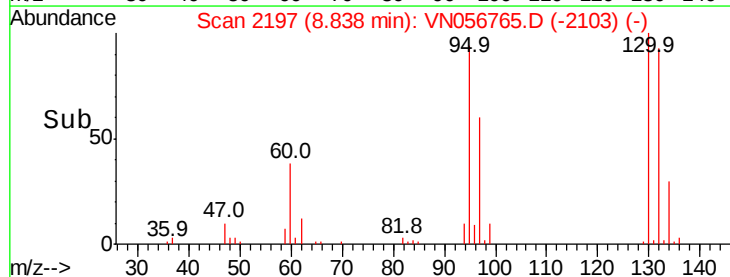
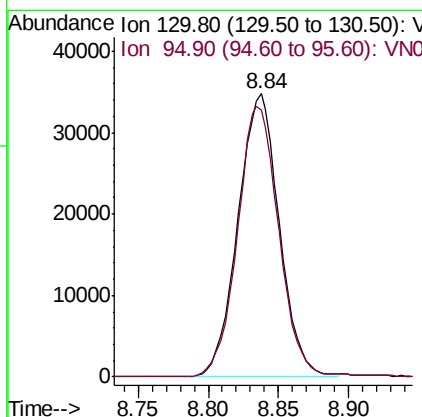
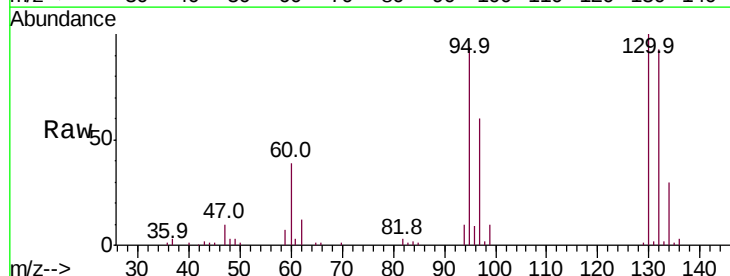
RT: 8.84 min Scan# 2197

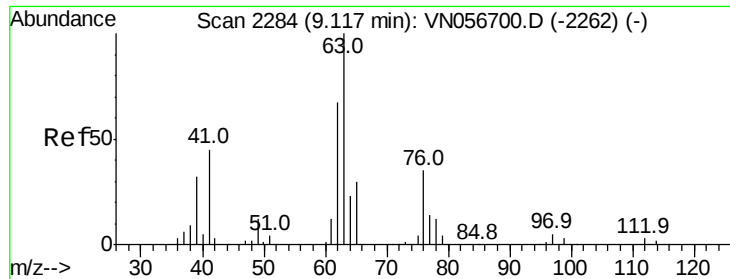
Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Tgt Ion:	130	Resp:	71169
Ion Ratio	Lower	Upper	
130	100		
95	94.2	0.0	197.2





#45

1,2-Dichloropropane

Concen: 20.191 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion: 63 Resp: 72257

Ion Ratio Lower Upper

63 100

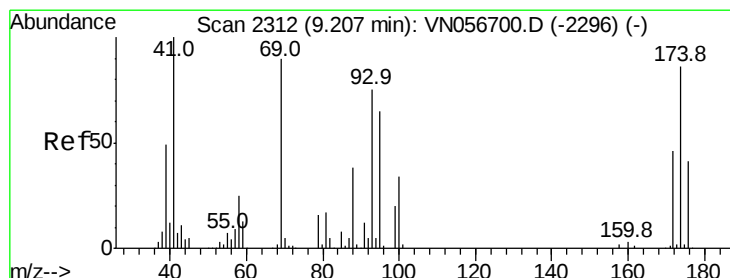
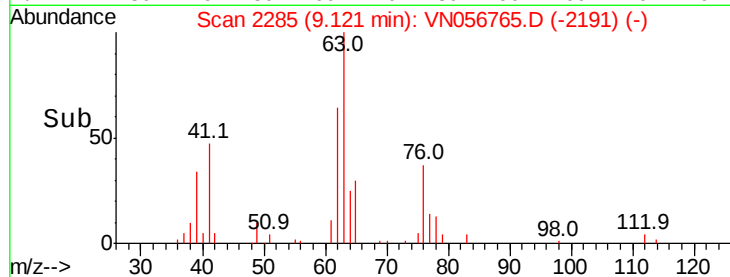
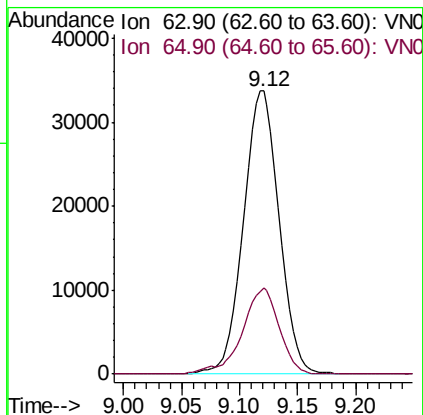
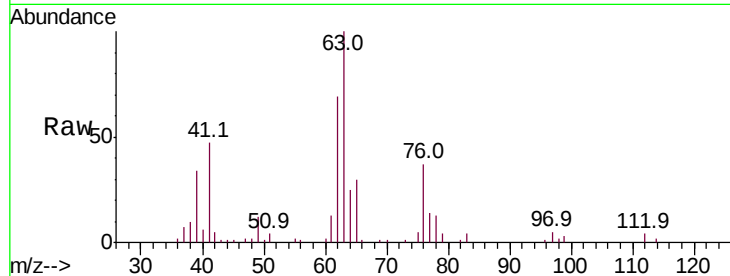
65 30.3 24.0 36.0

Manual Integrations

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#46

Dibromomethane

Concen: 20.176 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

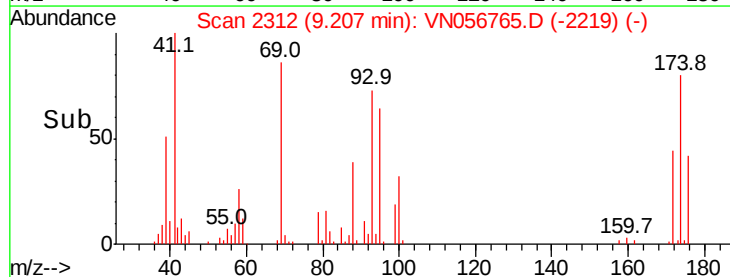
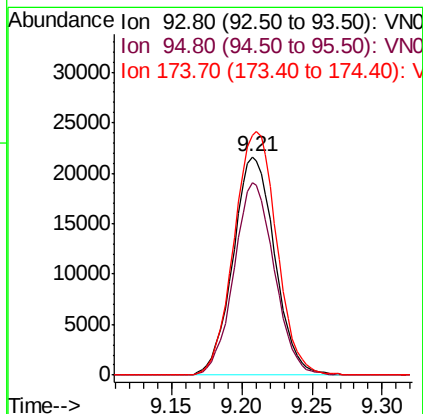
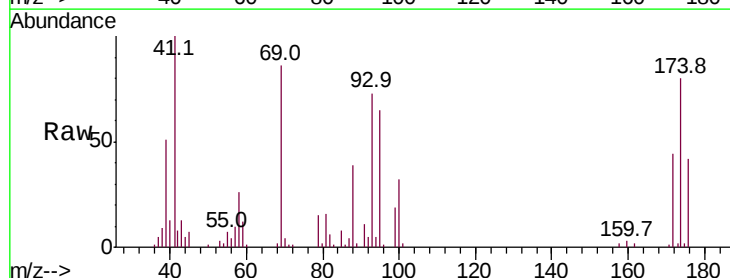
Tgt Ion: 93 Resp: 44745

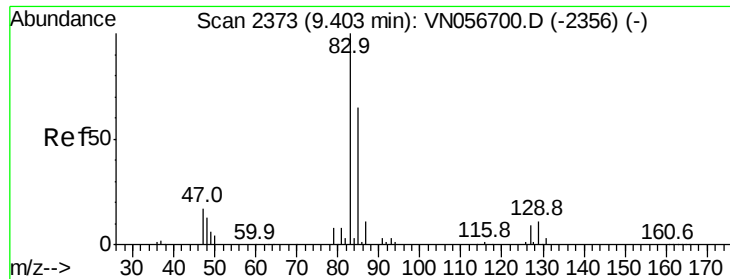
Ion Ratio Lower Upper

93 100

95 85.3 67.4 101.0

174 114.0 90.3 135.5





#47

Bromodichloromethane

Concen: 19.785 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

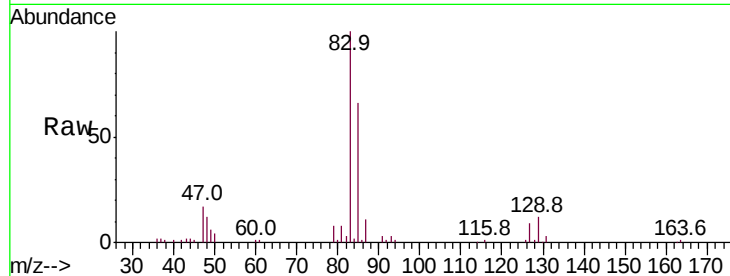
ClientSampleId :

VN0716WBSD01

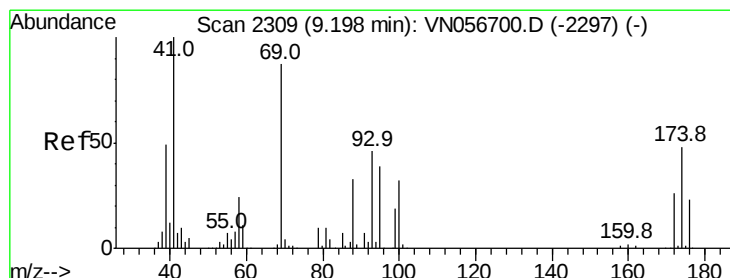
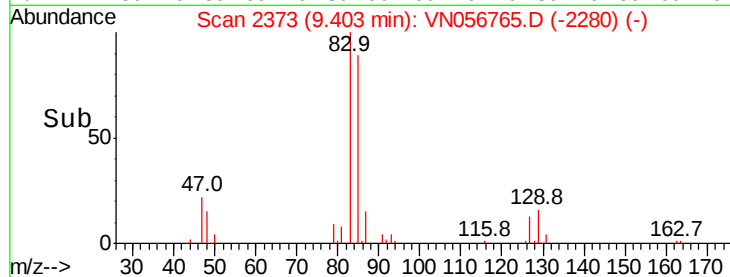
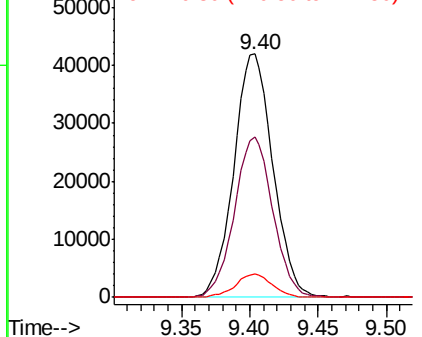
Tot Ion:	83	Resp:	83377
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.3	78.5
127	9.4	7.6	11.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN056765.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.066 ug/l

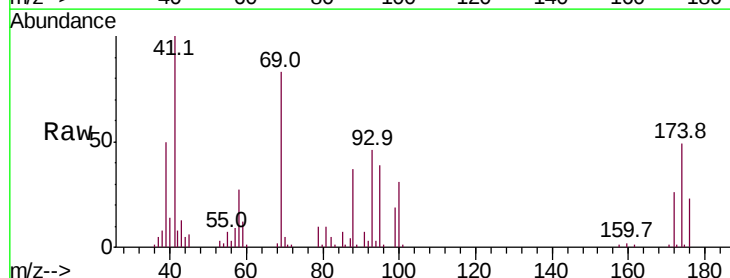
RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

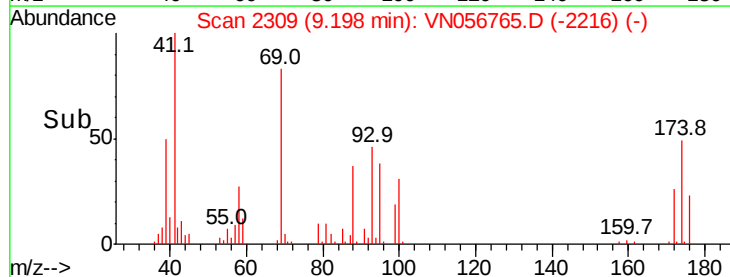
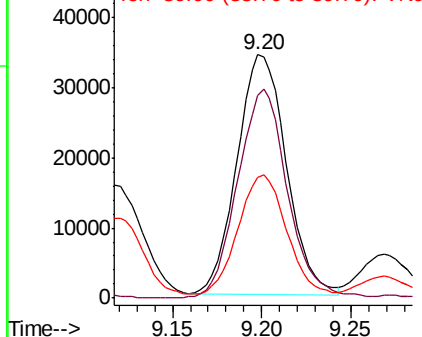
Lab File: VN056765.D

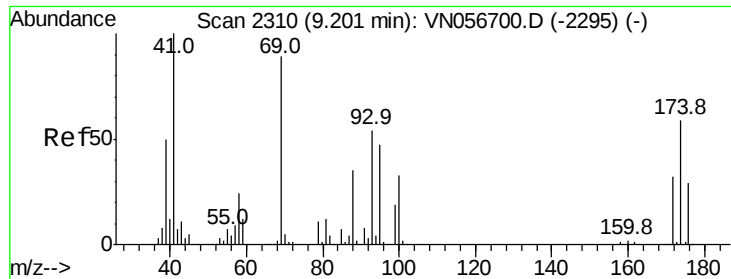
Acq: 16 Jul 2019 13:49

Tgt Ion:	41	Resp:	66089
Ion Ratio	Lower	Upper	
41	100		
69	88.0	71.4	107.0
39	51.6	41.2	61.8



Abundance Ion 41.00 (40.70 to 41.70): VN056765.D (-2216) (-)





#49

1,4-Dioxane

Concen: 421.653 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

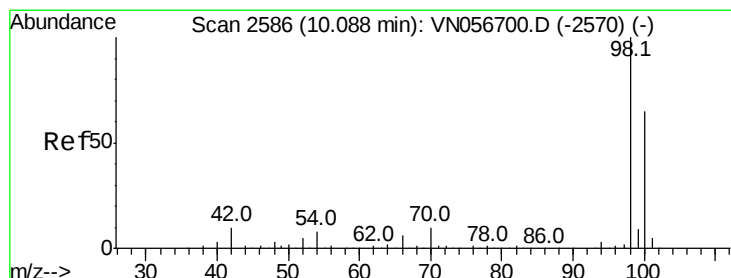
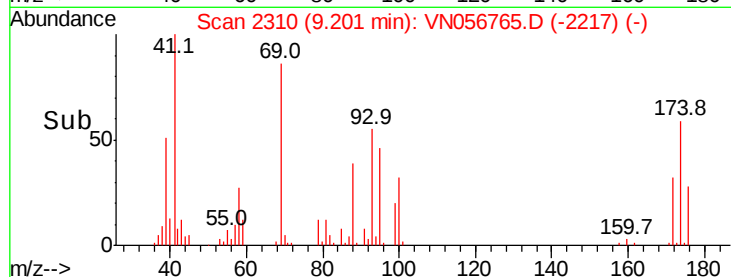
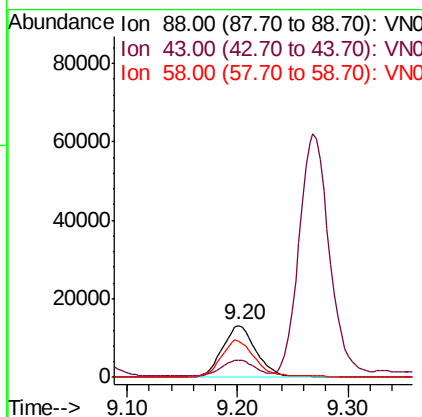
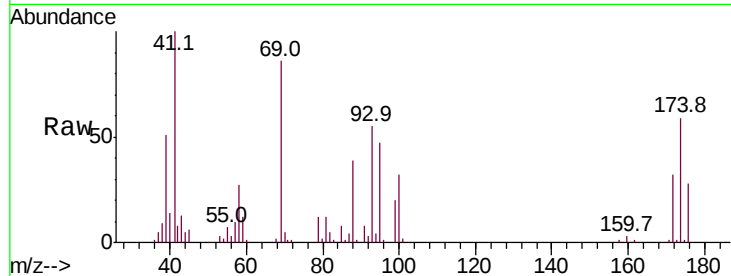
ClientSampleId :

VN0716WBSD01

Tot Ion:	88	Resp:	28496
Ion	Ratio	Lower	Upper
88	100		
43	29.9	23.7	35.5
58	70.6	55.6	83.4

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#50

Toluene-d8

Concen: 51.616 ug/l

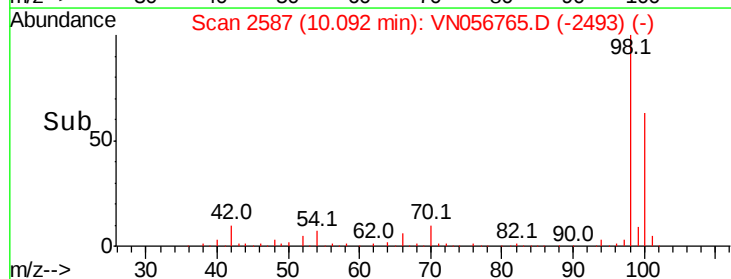
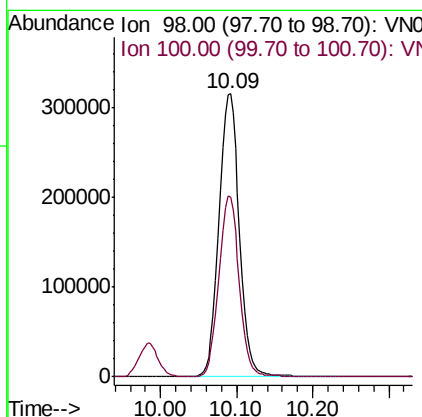
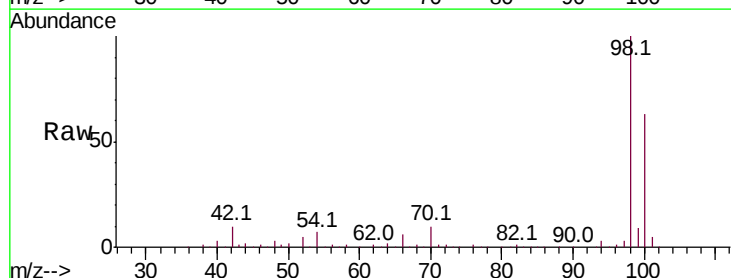
RT: 10.09 min Scan# 2587

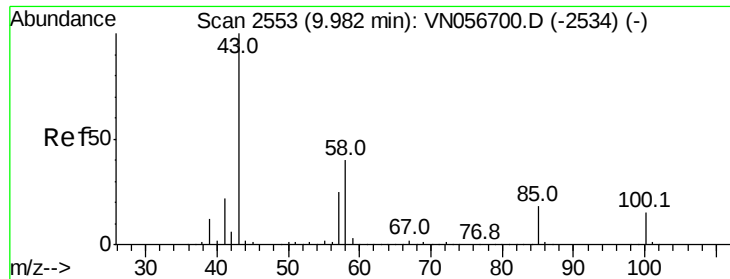
Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Tgt Ion:	98	Resp:	589284
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 101.548 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion: 43 Resp: 447931

Ion Ratio Lower Upper

43 100

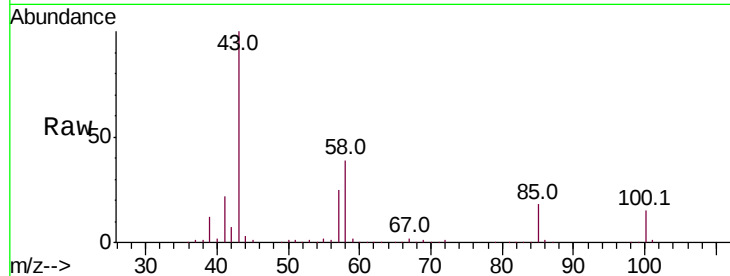
58 39.4 32.0 48.0

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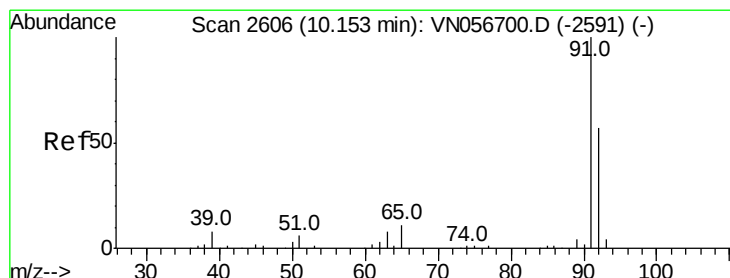
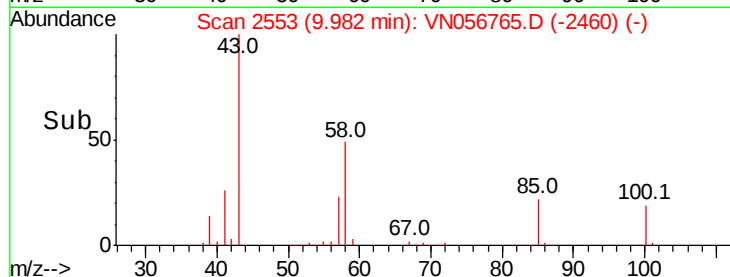
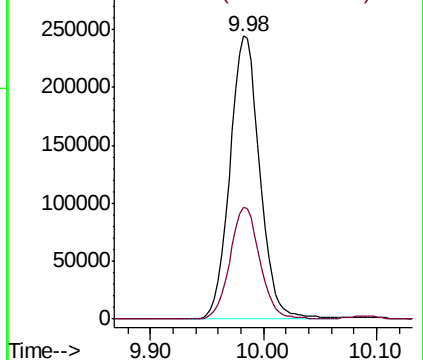
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.128 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056765.D

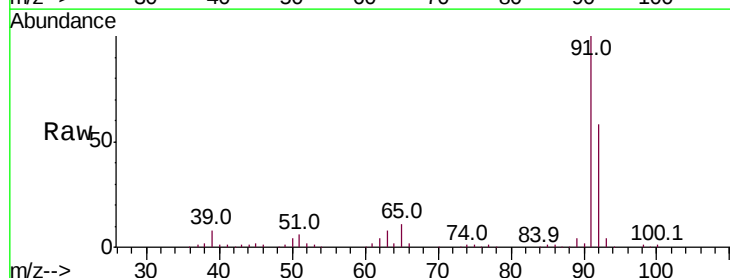
Acq: 16 Jul 2019 13:49

Tgt Ion: 92 Resp: 160986

Ion Ratio Lower Upper

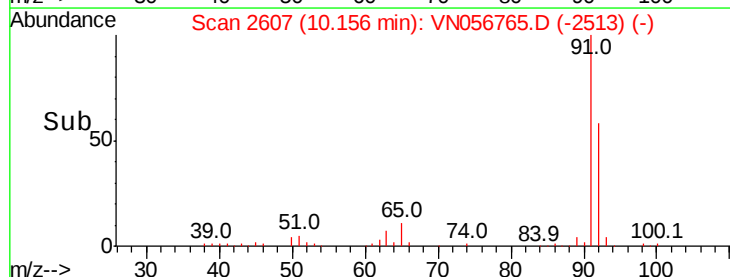
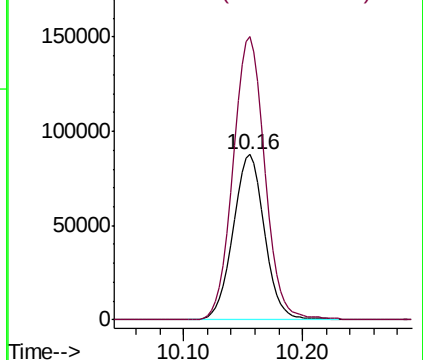
92 100

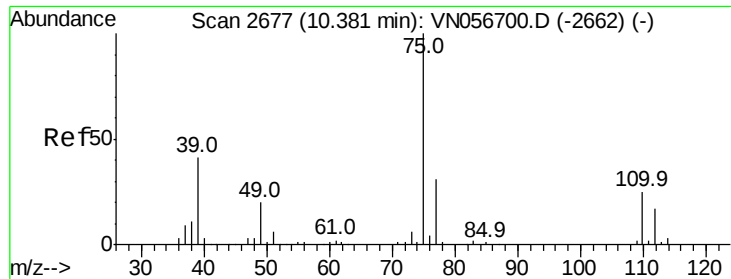
91 173.4 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.068 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion: 75 Resp: 83836

Ion Ratio Lower Upper

75 100

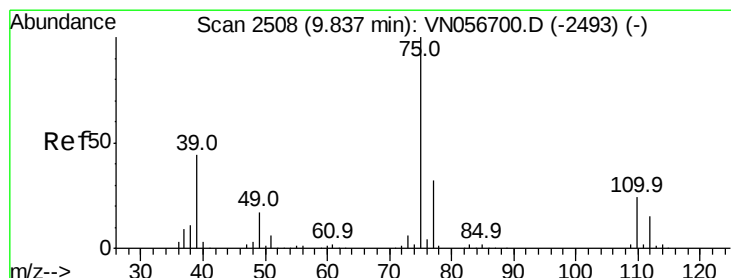
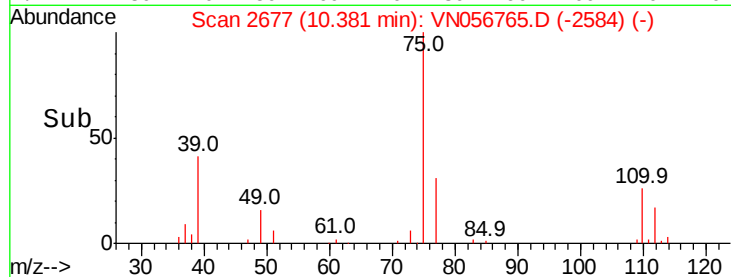
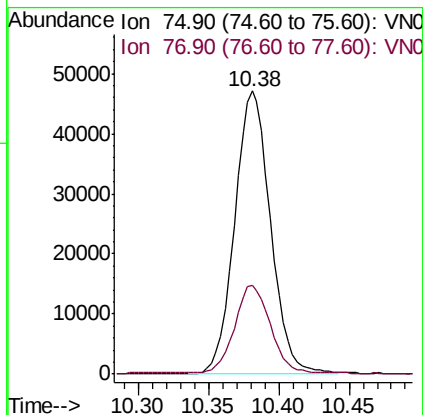
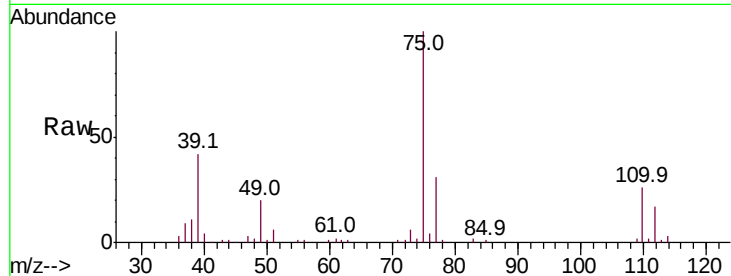
77 30.9 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 19.232 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

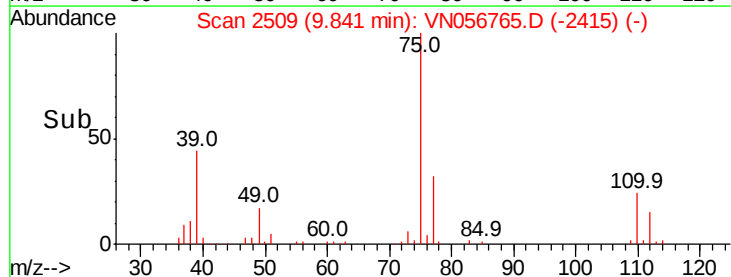
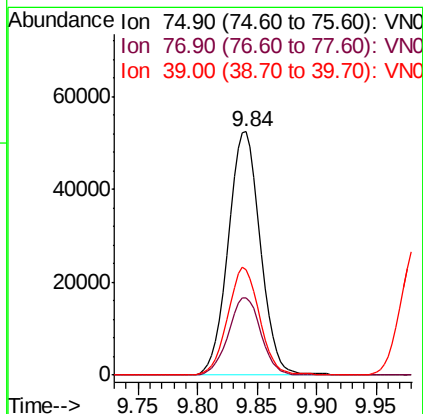
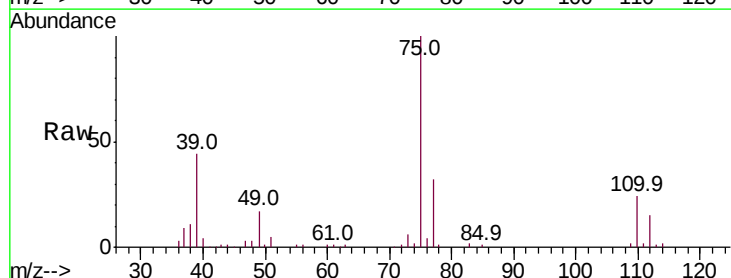
Tgt Ion: 75 Resp: 98123

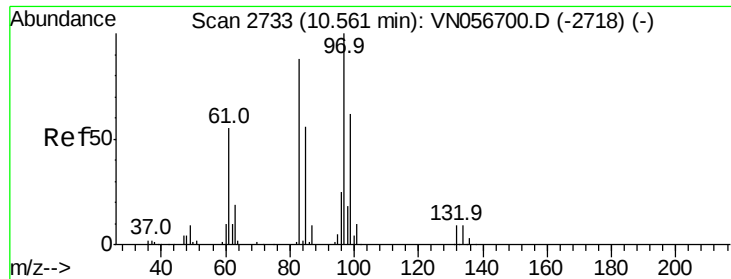
Ion Ratio Lower Upper

75 100

77 31.5 26.0 39.0

39 43.5 35.1 52.7





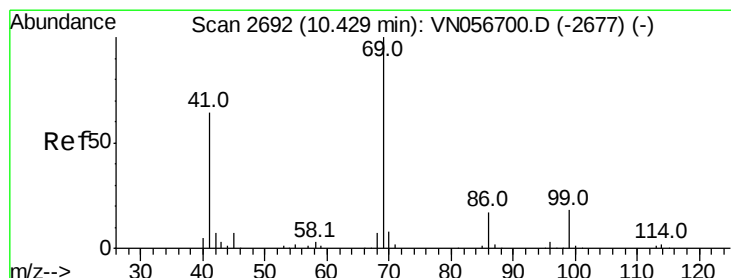
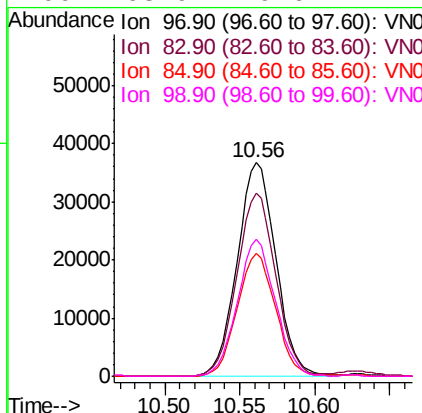
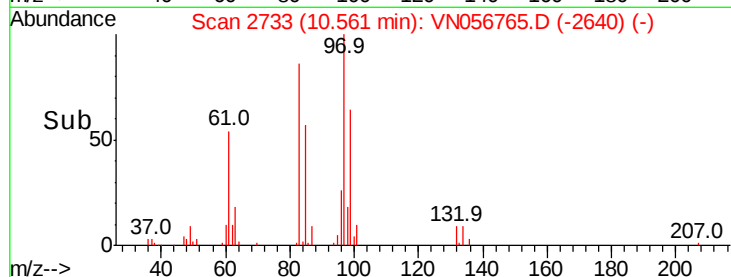
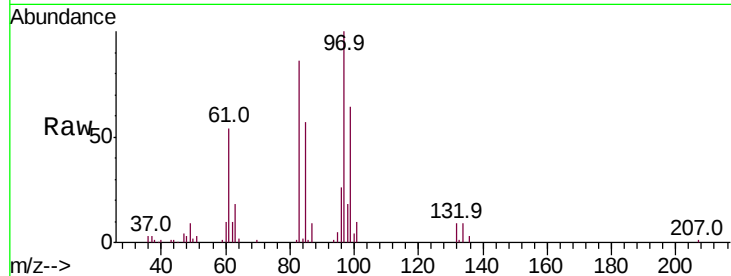
#55
 1,1,2-Trichloroethane
 Concen: 19.743 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBSD01

Tot Ion:	97	Resp:	66231
Ion	Ratio	Lower	Upper
97	100		
83	85.6	70.3	105.5
85	57.3	44.8	67.2
99	63.9	49.6	74.4

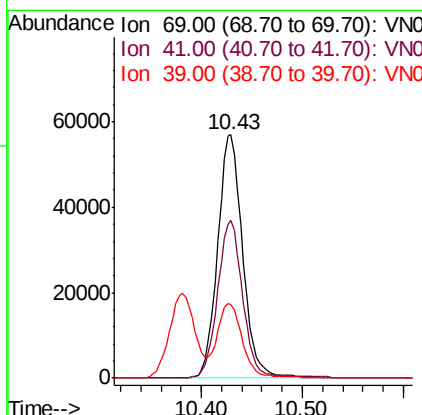
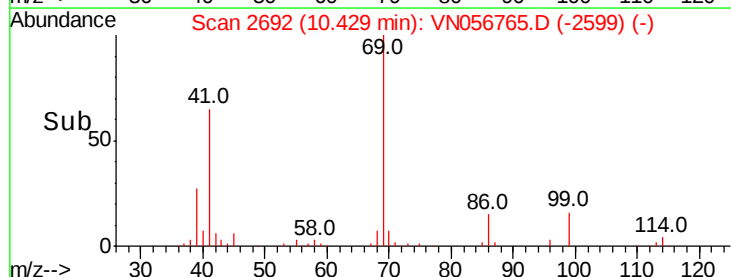
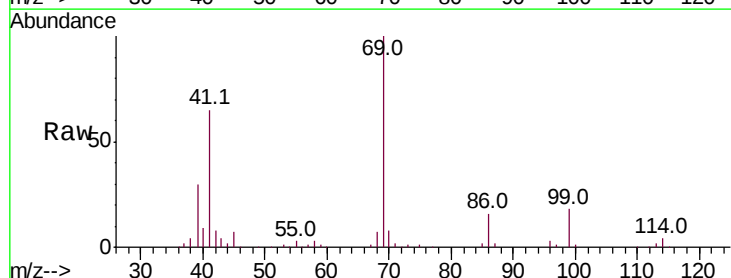
Manual Integrations
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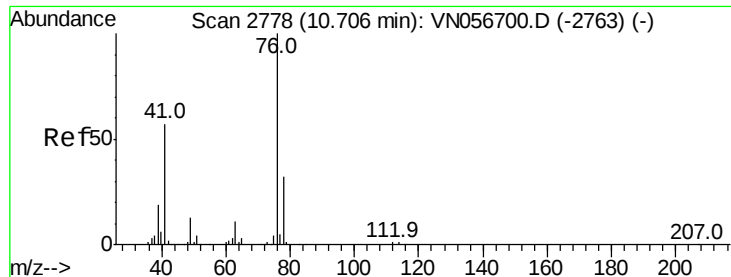
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.409 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Tgt Ion:	69	Resp:	98515
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.0	76.4
39	29.7	24.6	36.8





#57

1,3-Dichloropropane

Concen: 20.210 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampled :

VN0716WBSD01

Tot Ion: 76 Resp: 110732

Ion Ratio Lower Upper

76 100

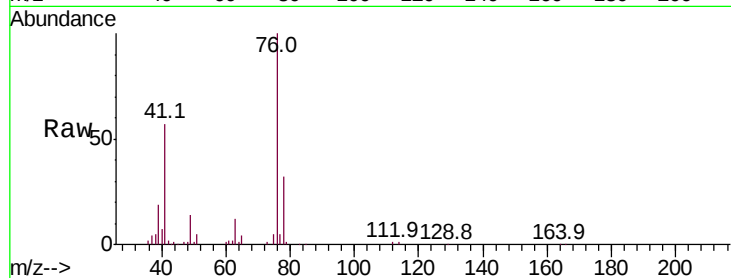
78 31.5 26.0 39.0

Manual Integrations

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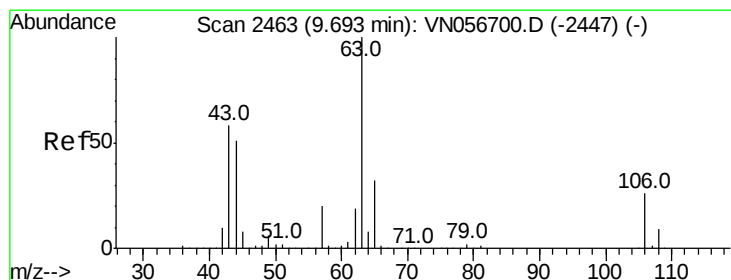
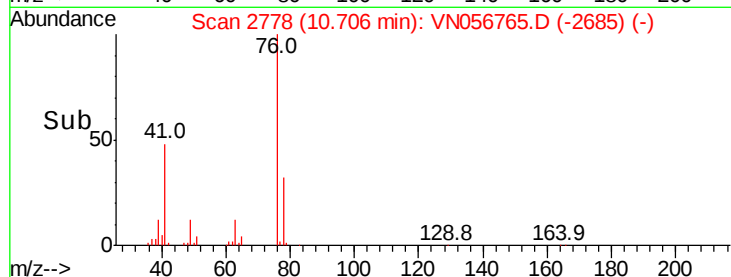
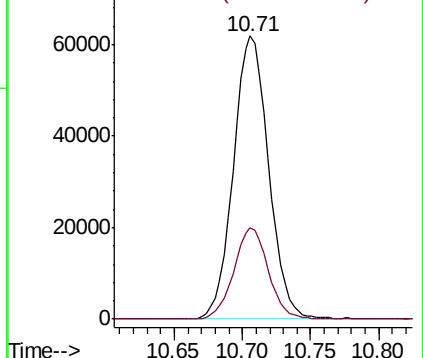
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.435 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056765.D

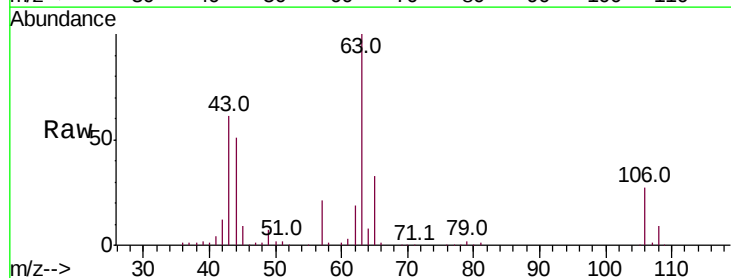
Acq: 16 Jul 2019 13:49

Tgt Ion: 63 Resp: 228484

Ion Ratio Lower Upper

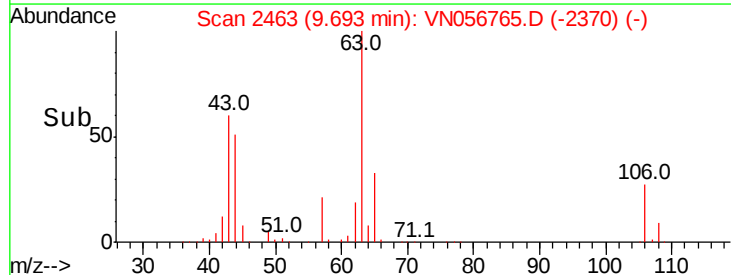
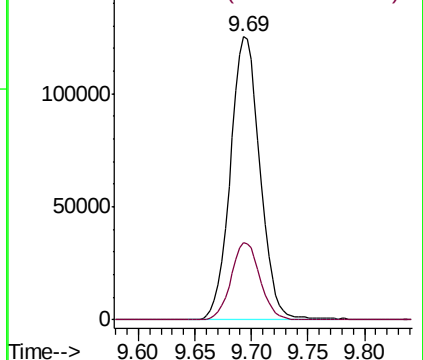
63 100

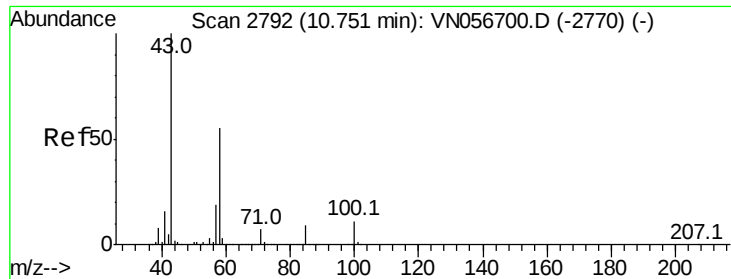
106 26.8 21.2 31.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





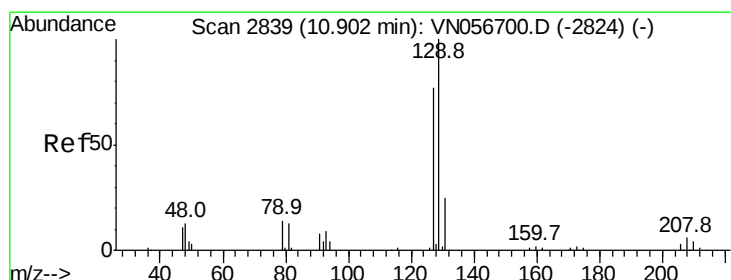
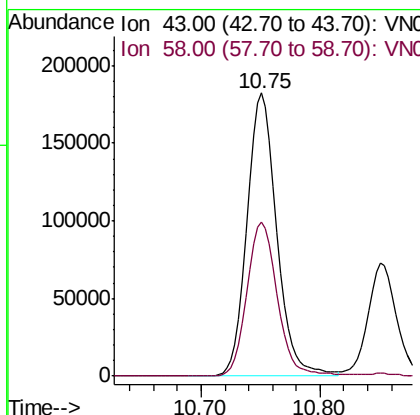
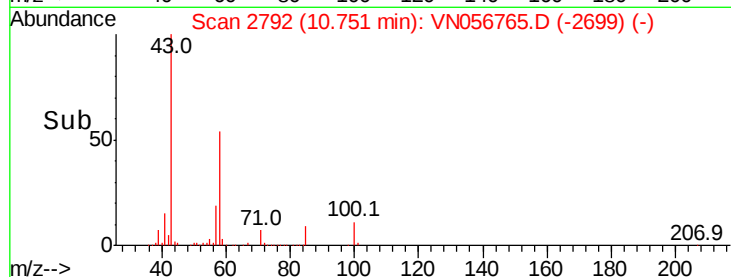
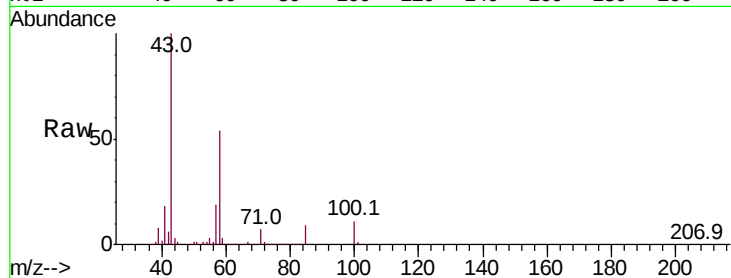
#59
2-Hexanone
Concen: 99.421 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion: 43 Resp: 314675
Ion Ratio Lower Upper
43 100
58 55.9 27.9 83.6

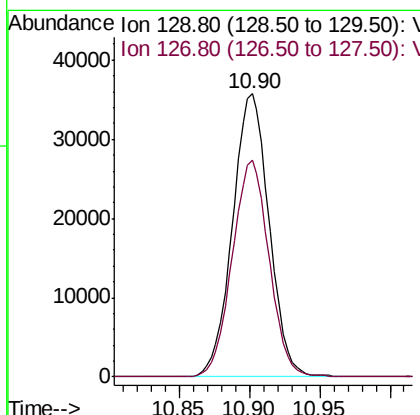
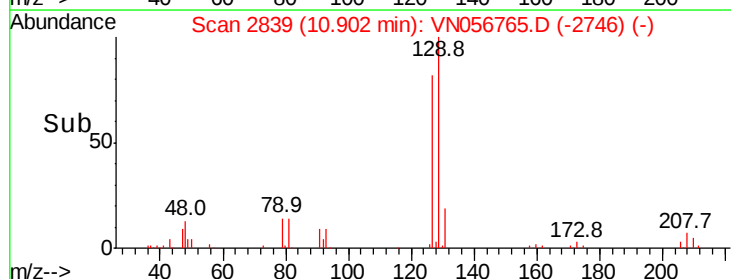
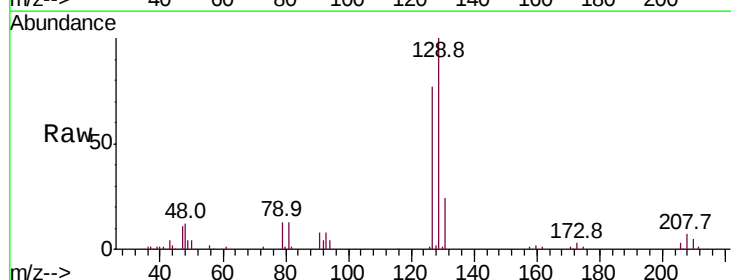
Manual Integrations
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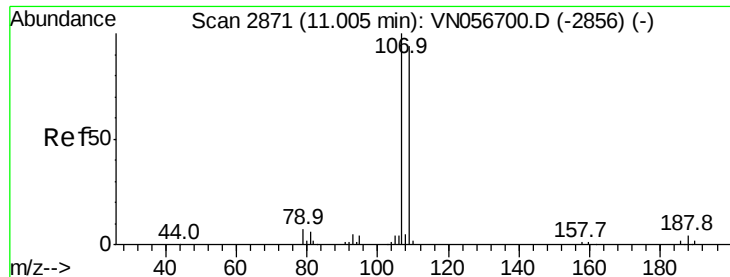
MMDadoda
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#60
Dibromochloromethane
Concen: 19.682 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion: 129 Resp: 64937
Ion Ratio Lower Upper
129 100
127 77.1 38.2 114.6





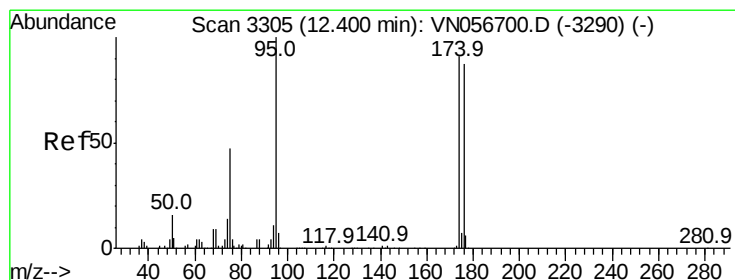
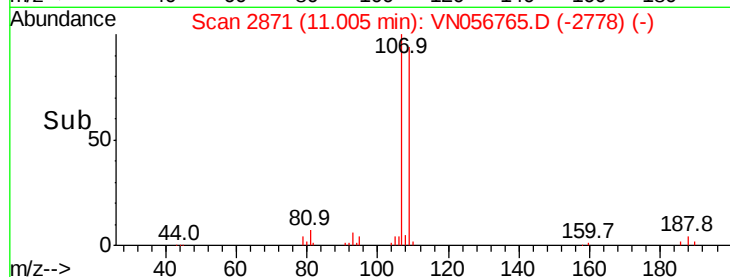
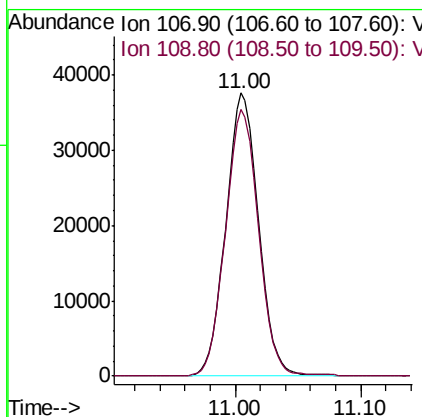
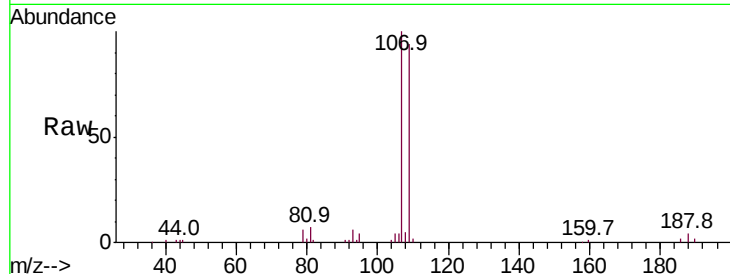
#61
 1,2-Dibromoethane
 Concen: 20.377 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBSD01

Tot Ion:107 Resp: 67936
 Ion Ratio Lower Upper
 107 100
 109 95.1 76.2 114.4

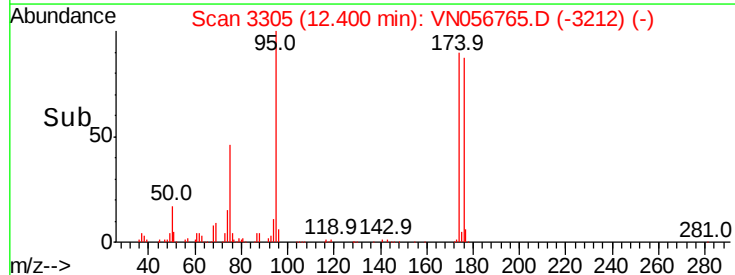
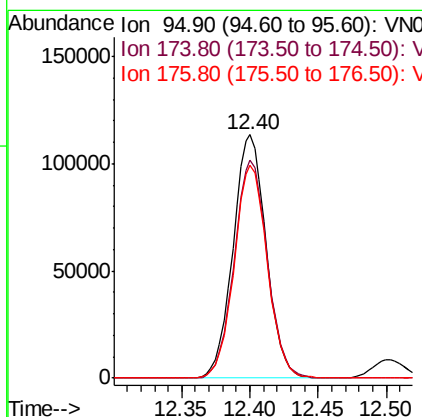
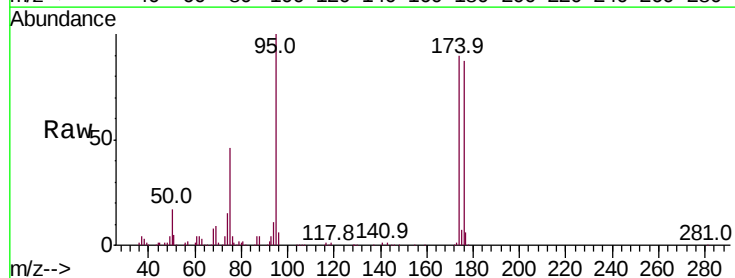
Manual Integrations
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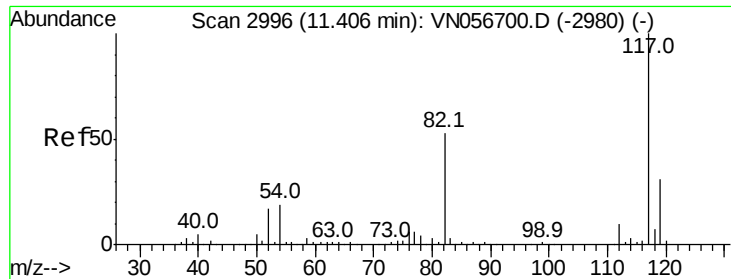
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 49.530 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Tgt Ion: 95 Resp: 190696
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 180.0
 176 87.3 0.0 173.2





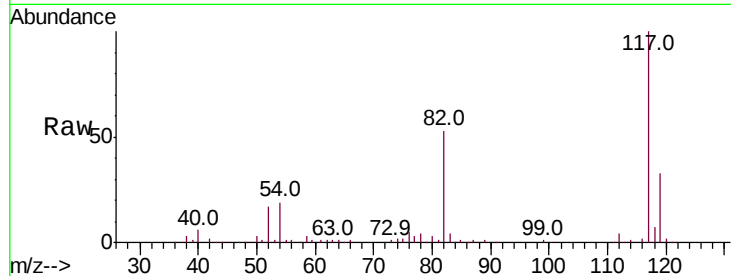
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.2	63.2
119	32.9	25.2	37.8

Manual Integrations
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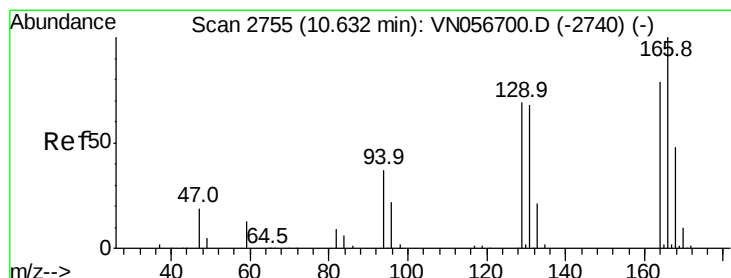
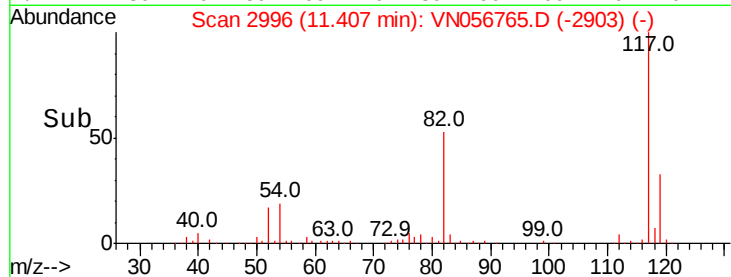
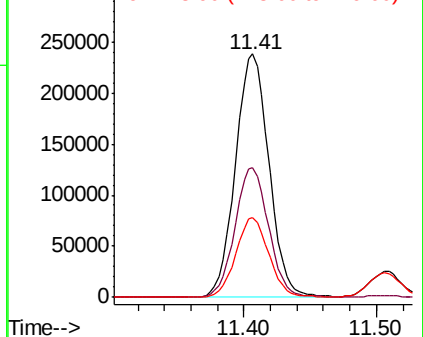


Abundance

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: 20.058 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.4	152.2
129	88.4	69.6	104.4
131	88.4	69.0	103.4

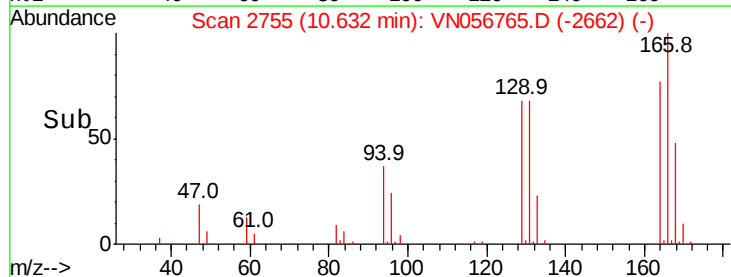
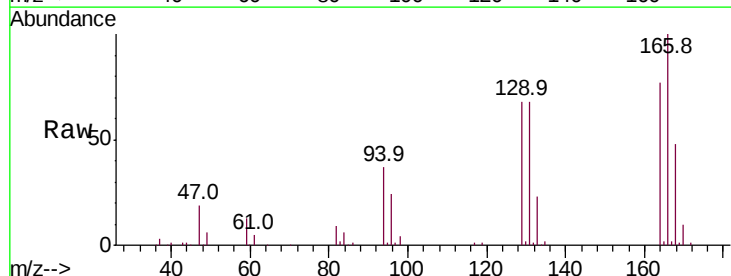
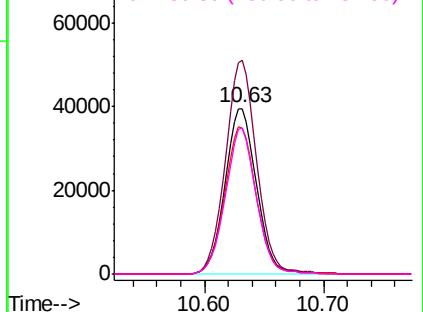
Abundance

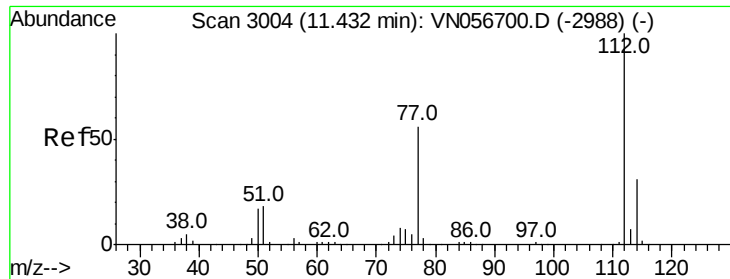
Ion 163.80 (163.50 to 164.50): V

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





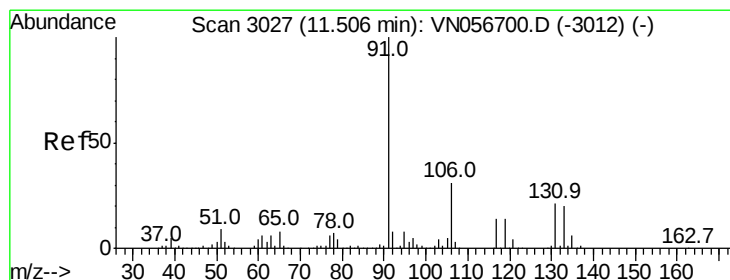
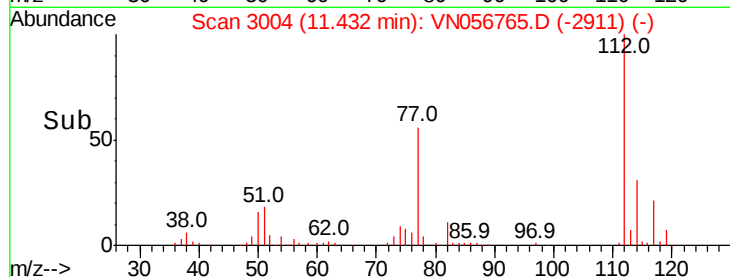
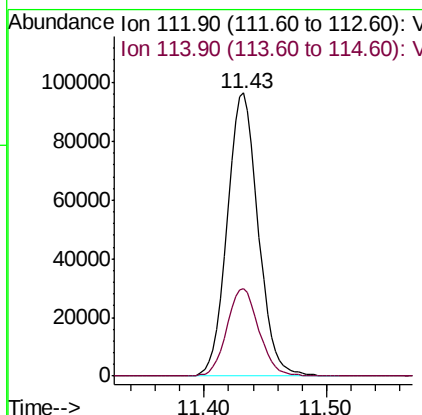
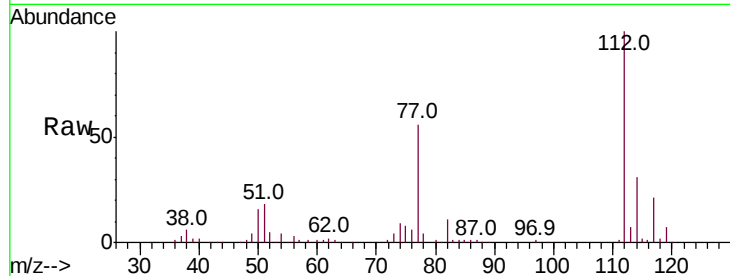
#65
Chlorobenzene
Concen: 20.005 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0716WBSD01

Tot Ion:112 Resp: 171192
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8

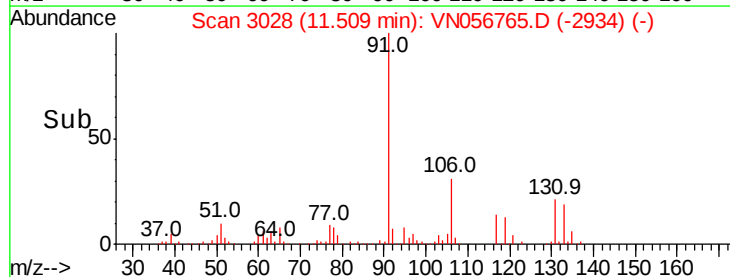
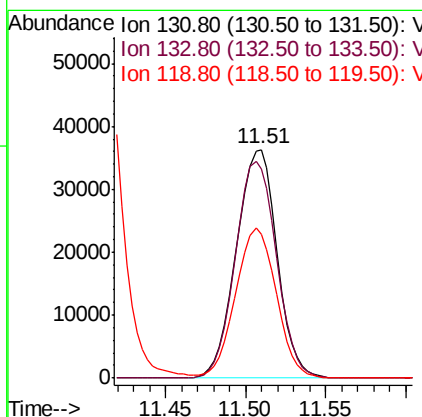
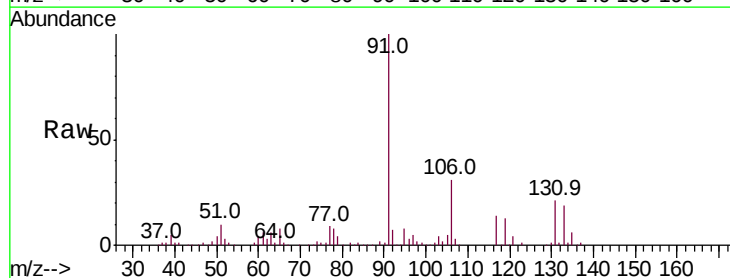
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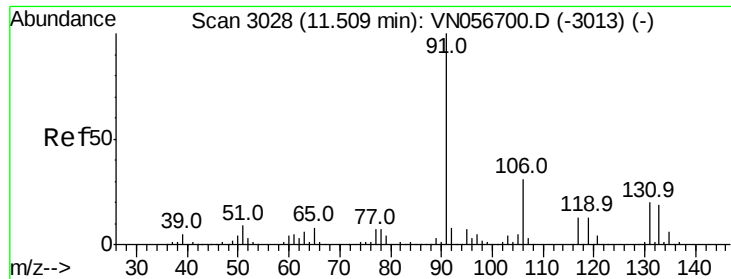
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.974 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion:131 Resp: 62936
Ion Ratio Lower Upper
131 100
133 96.0 46.9 140.7
119 65.9 32.8 98.3





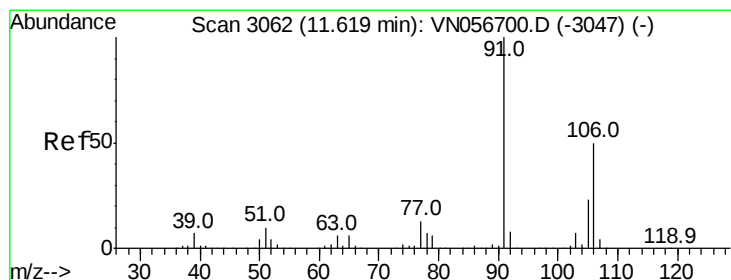
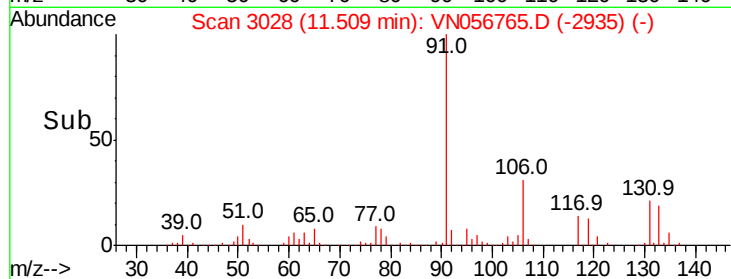
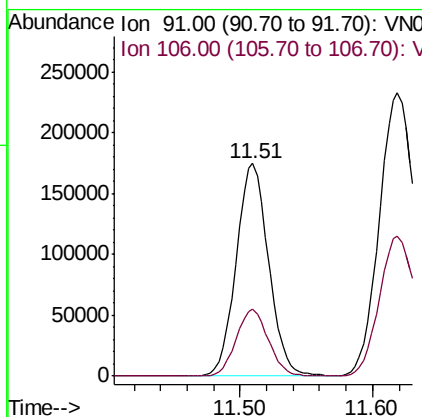
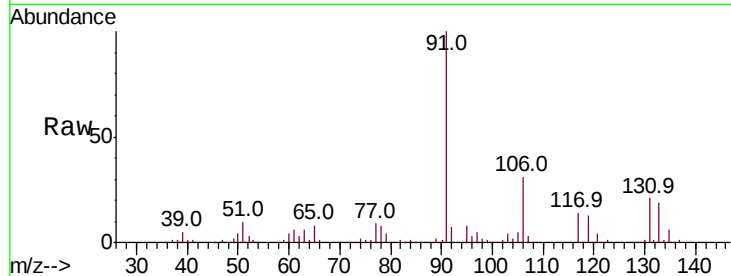
#67
Ethyl Benzene
Concen: 19.701 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampled :
VN0716WBSD01

Tot Ion: 91 Resp: 296288
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

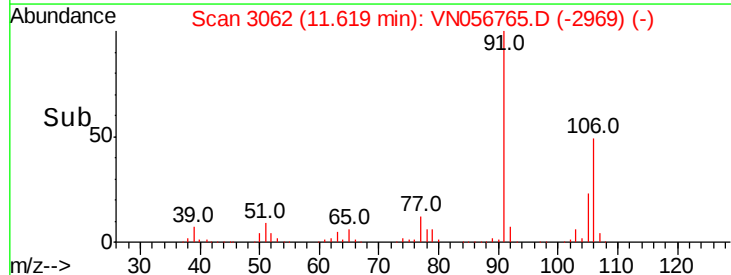
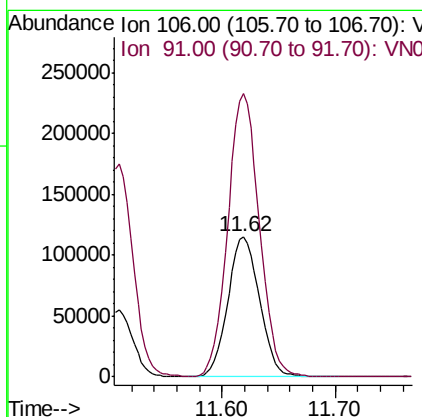
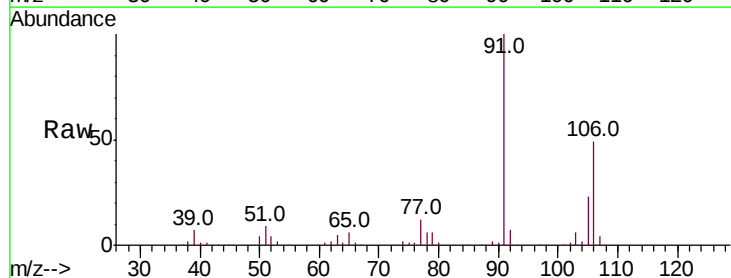
Manual Integrations
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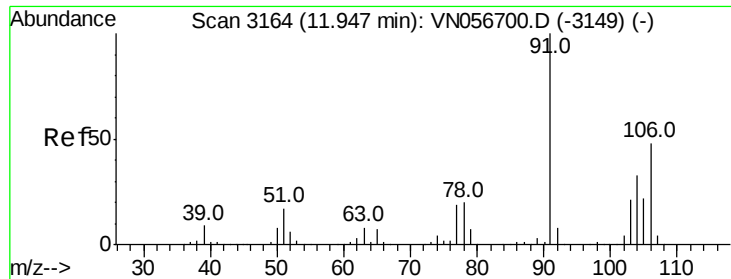
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#68
m/p-Xylenes
Concen: 40.038 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion: 106 Resp: 225037
Ion Ratio Lower Upper
106 100
91 199.6 160.5 240.7





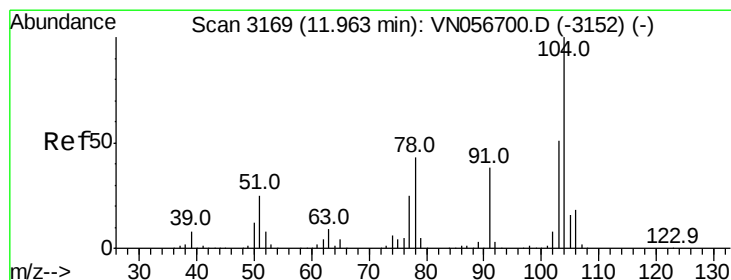
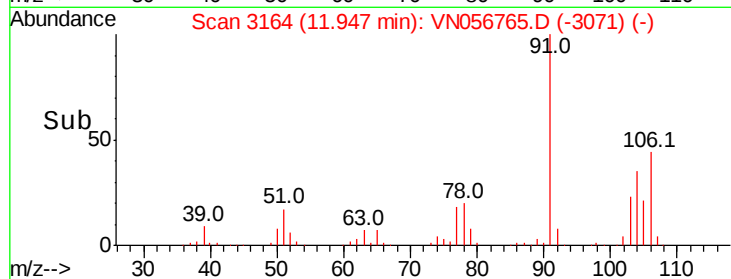
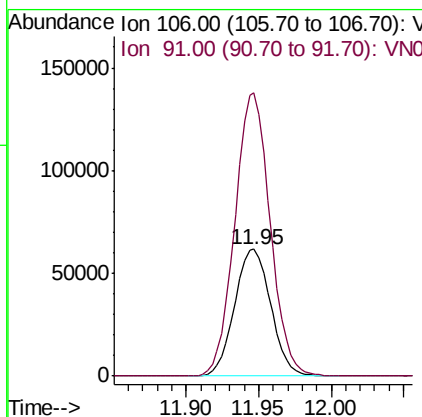
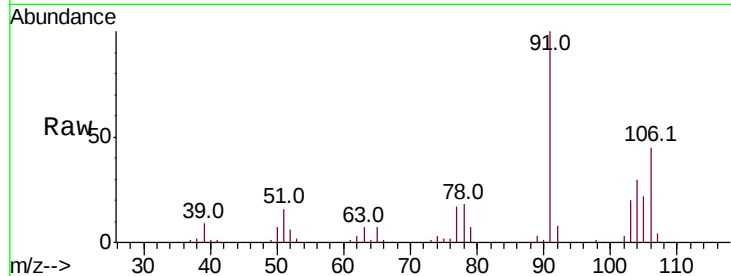
#69
o-Xylene
Concen: 19.438 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion:106 Resp: 107407
Ion Ratio Lower Upper
106 100
91 217.6 105.6 316.8

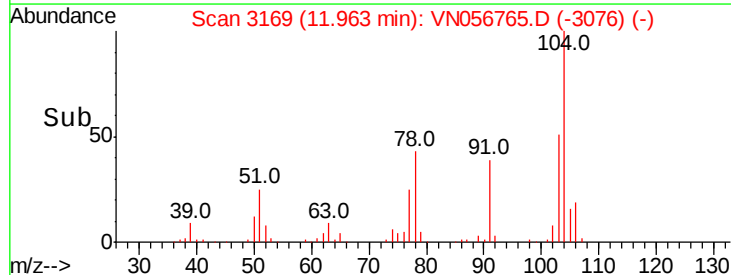
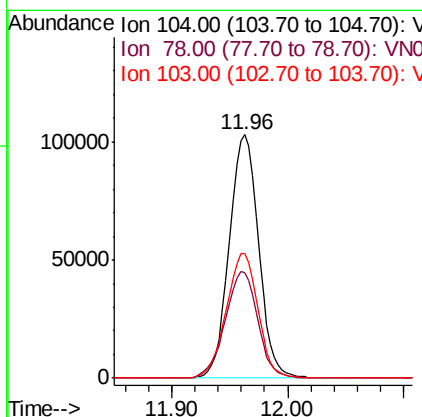
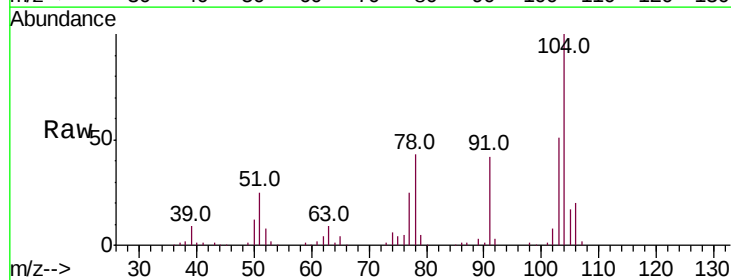
Manual Integrations
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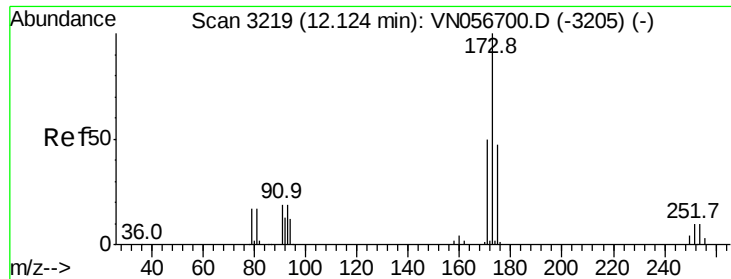
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#70
Styrene
Concen: 20.151 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion:104 Resp: 180021
Ion Ratio Lower Upper
104 100
78 48.2 38.6 57.8
103 55.5 44.2 66.4





#71

Bromoform

Concen: 19.313 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampled :

VN0716WBSD01

Tot Ion:173 Resp: 46301

Ion Ratio Lower Upper

173 100

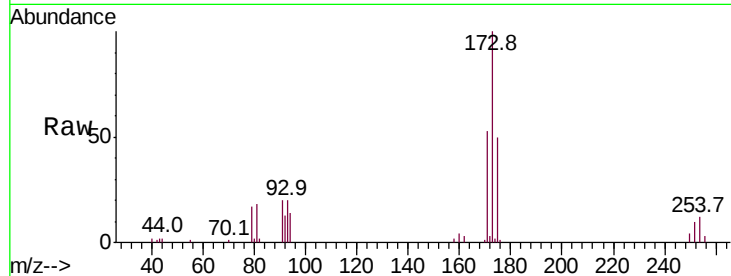
175 49.3 23.8 71.4

254 0.0 0.0 0.0

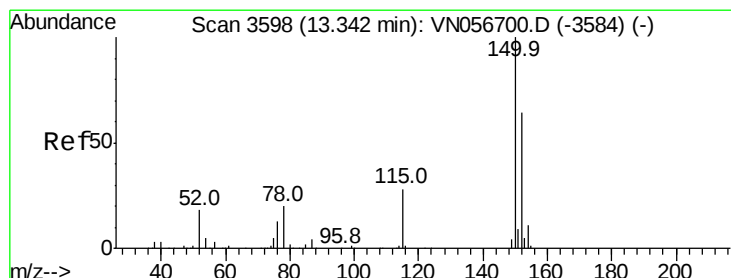
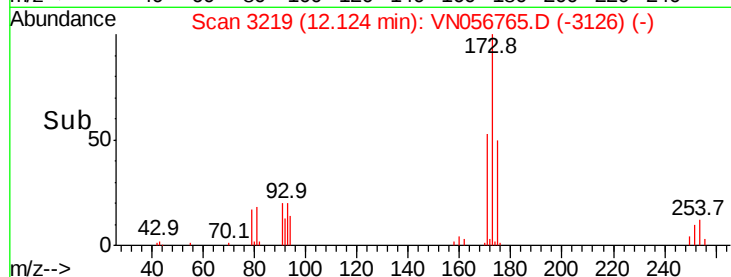
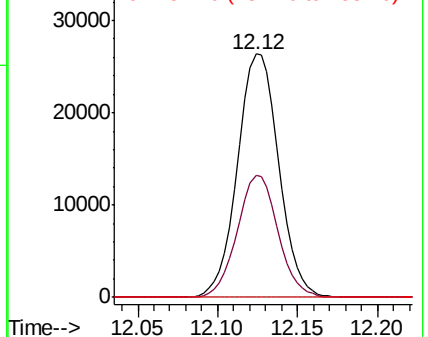
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

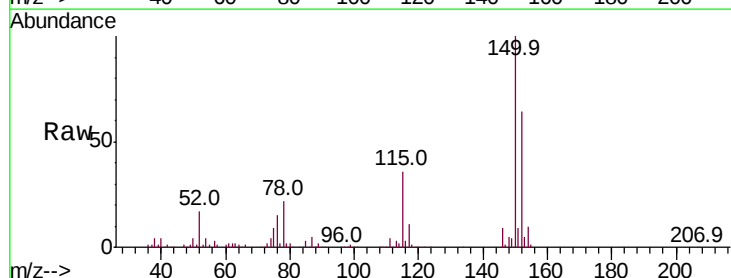
Tgt Ion:152 Resp: 176347

Ion Ratio Lower Upper

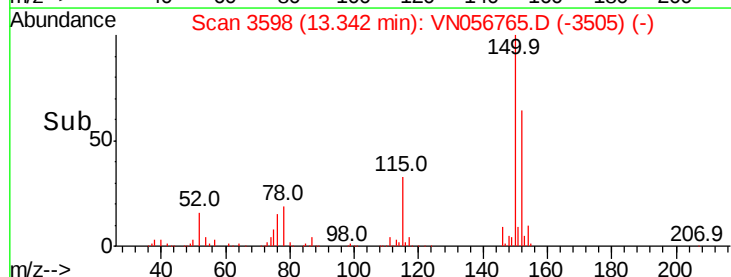
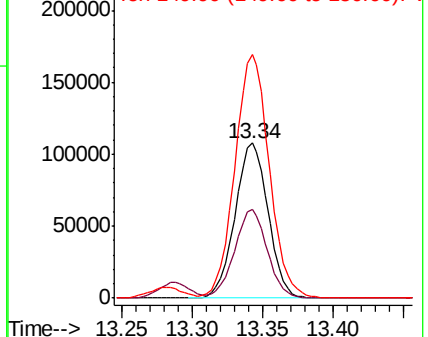
152 100

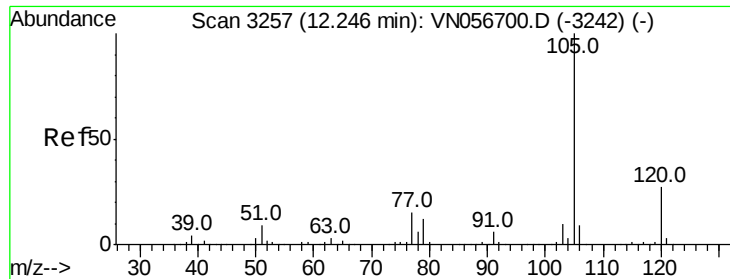
115 56.3 28.2 84.7

150 163.2 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: 20.064 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion:105 Resp: 285294

Ion Ratio Lower Upper

105 100

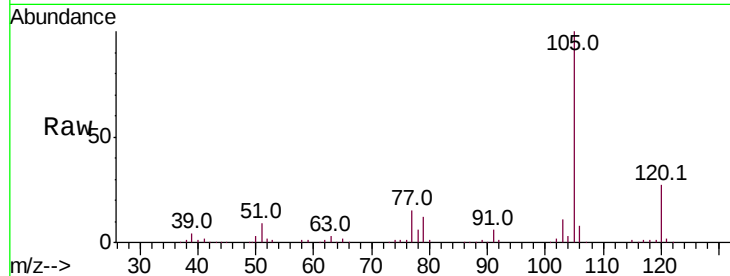
120 27.0 13.4 40.2

Manual Integrations

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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

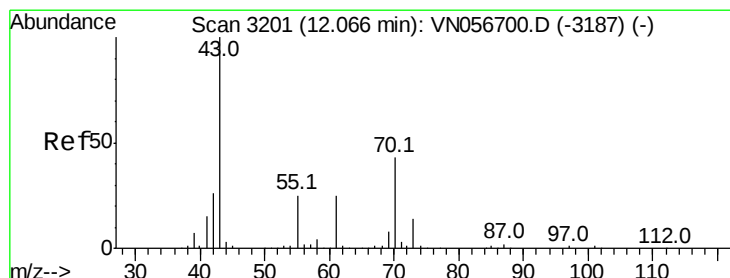
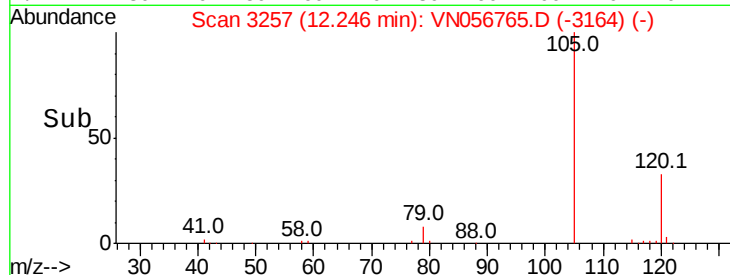
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.737 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Tgt Ion: 43 Resp: 104520

Ion Ratio Lower Upper

43 100

70 44.5 34.5 51.7

55 26.4 20.2 30.2

61 25.2 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

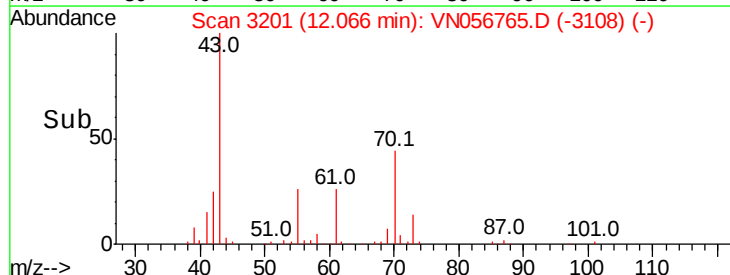
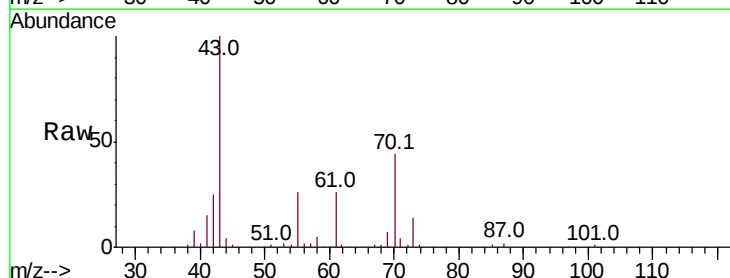
40000

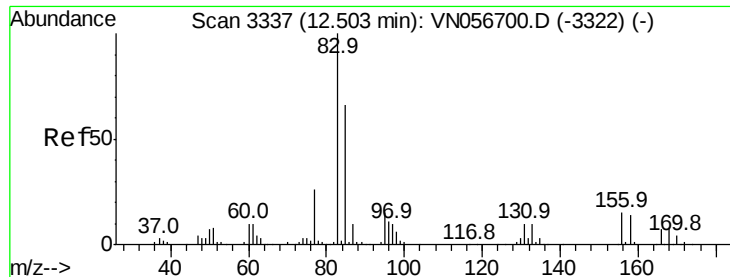
20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.792 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

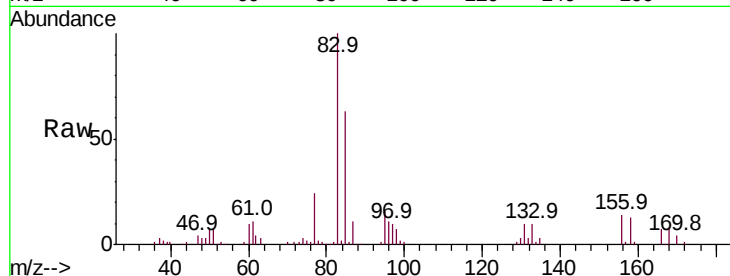
ClientSampled :

VN0716WBSD01

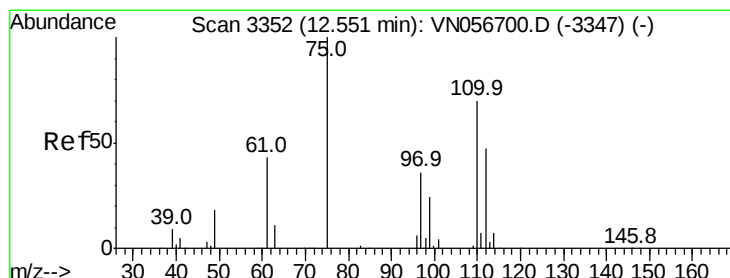
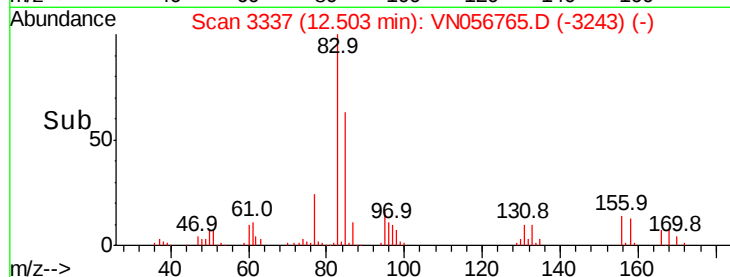
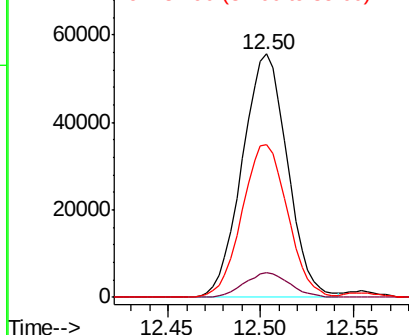
Tot Ion:	83	Resp:	94241
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	15.8
85	63.2	32.6	97.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 21.405 ug/l m

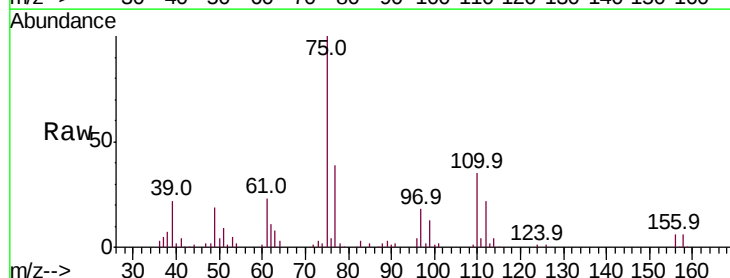
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

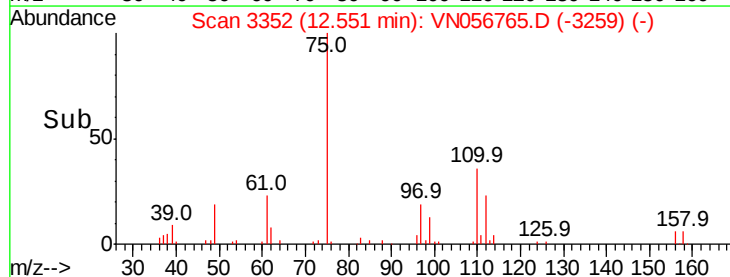
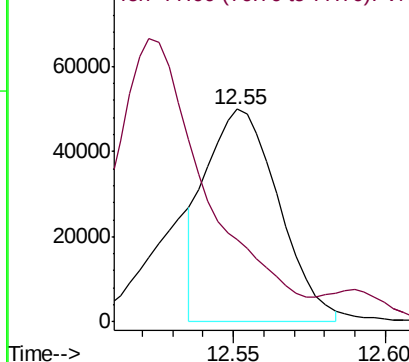
Lab File: VN056765.D

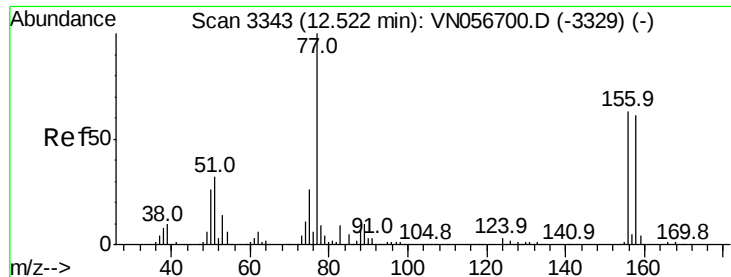
Acq: 16 Jul 2019 13:49

Tgt Ion:	75	Resp:	82559
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 19.885 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion:156 Resp: 73954

Ion Ratio Lower Upper

156 100

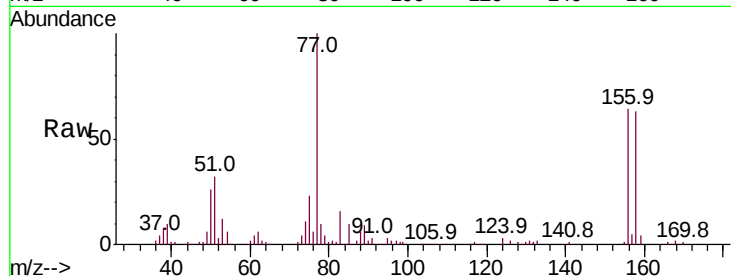
77 190.2 97.2 291.6

158 98.3 48.9 146.8

Manual Integrations
APPROVED

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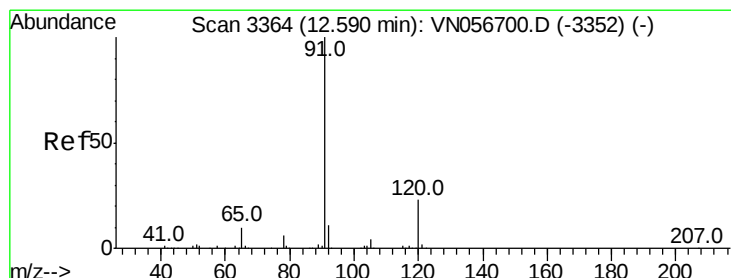
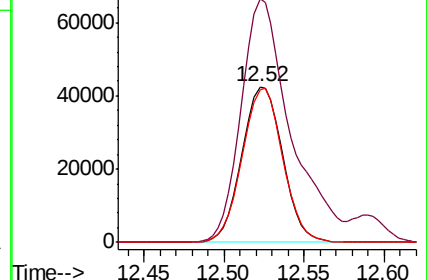
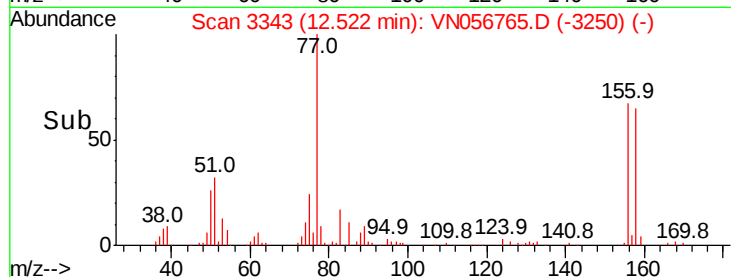
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.501 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056765.D

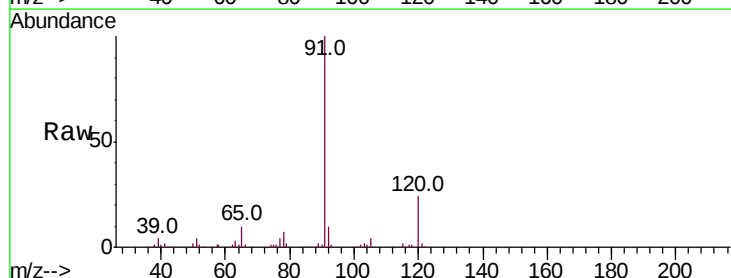
Acq: 16 Jul 2019 13:49

Tgt Ion: 91 Resp: 307839

Ion Ratio Lower Upper

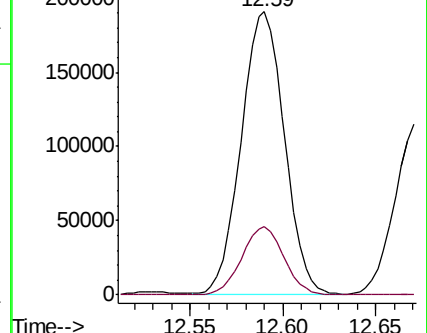
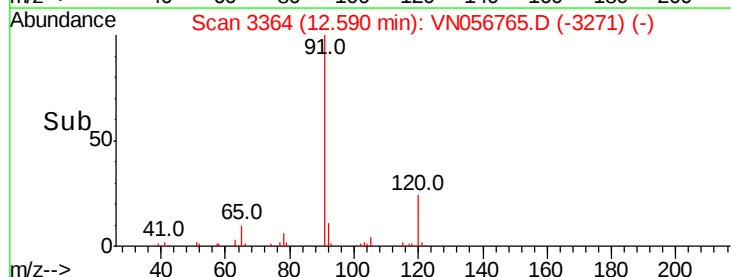
91 100

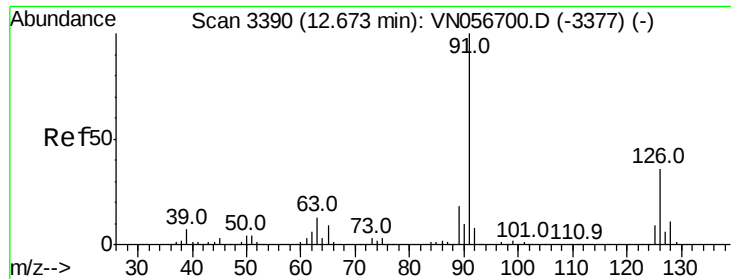
120 23.7 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.422 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0716WBSD01

Tot Ion: 91 Resp: 195048

Ion Ratio Lower Upper

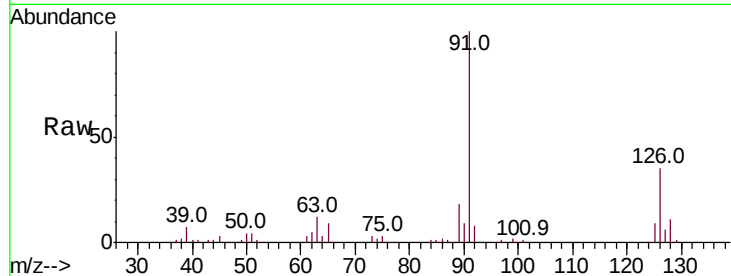
91 100

126 34.7 17.9 53.7

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN056765.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN056765.D (-3297) (-)

200000

150000

100000

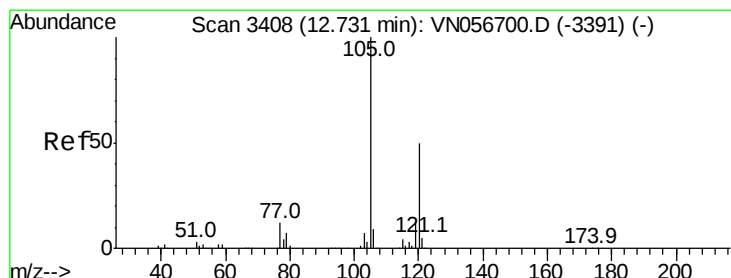
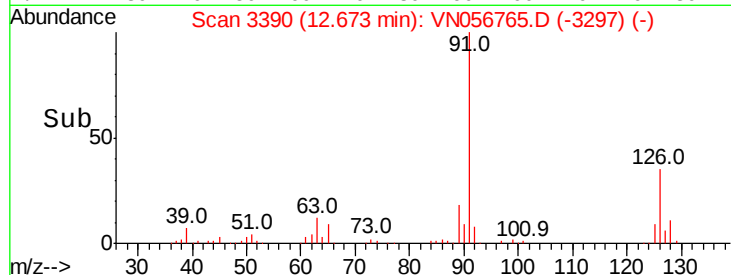
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.046 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056765.D

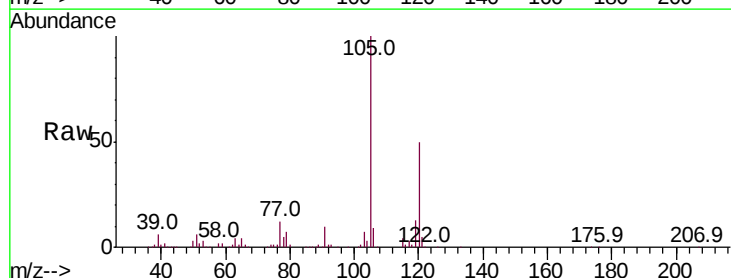
Acq: 16 Jul 2019 13:49

Tgt Ion: 105 Resp: 241573

Ion Ratio Lower Upper

105 100

120 49.7 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056765.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056765.D (-3315) (-)

150000

100000

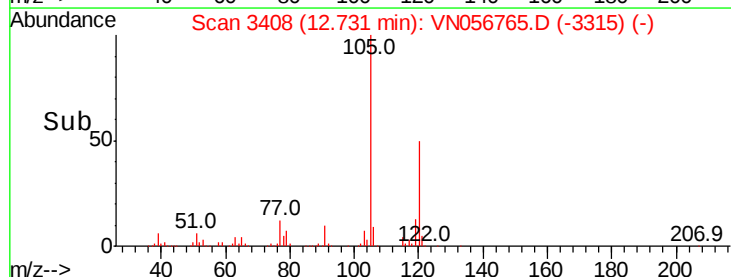
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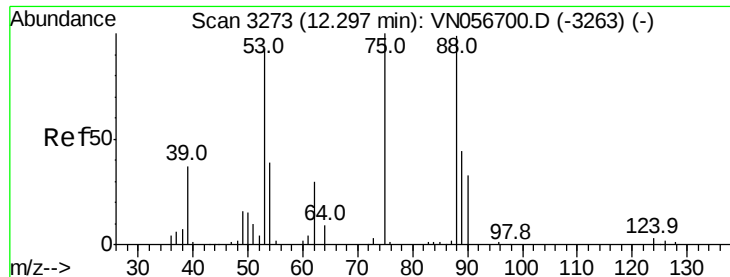
0

12.65 12.70 12.75 12.80

12.73

Time-->





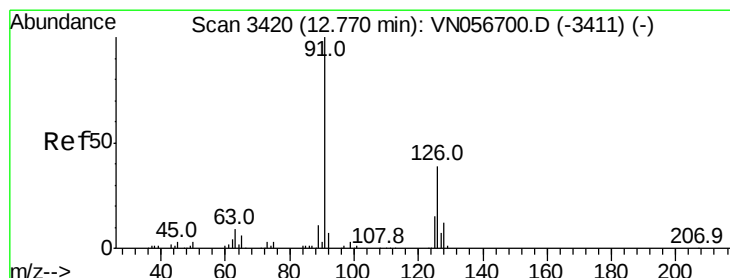
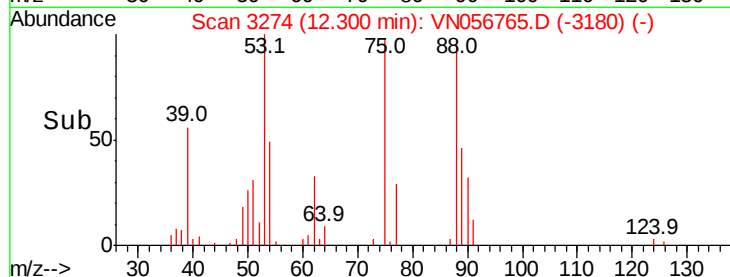
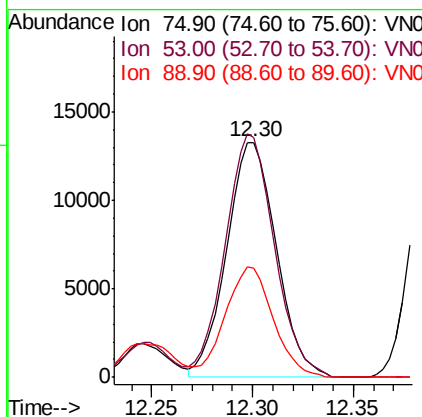
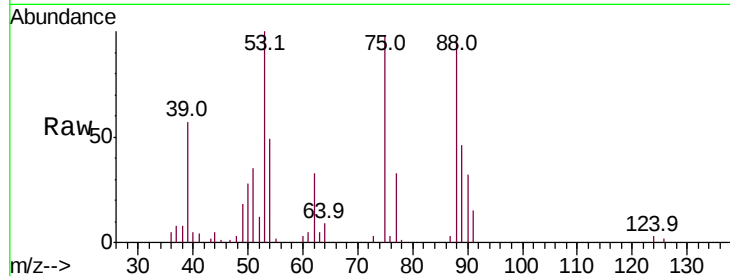
#81
trans-1,4-Dichloro-2-butene
Concen: 18.346 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion: 75 Resp: 22912
Ion Ratio Lower Upper
75 100
53 103.0 73.7 110.5
89 45.4 36.2 54.2

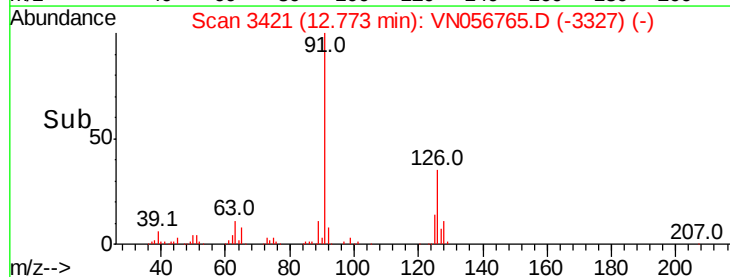
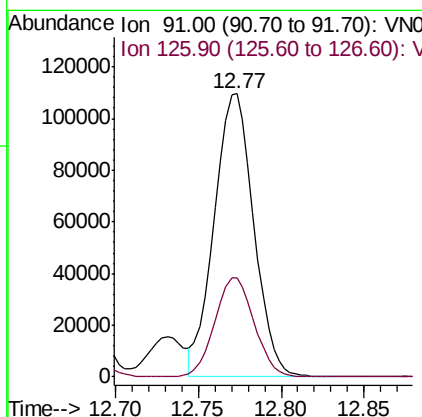
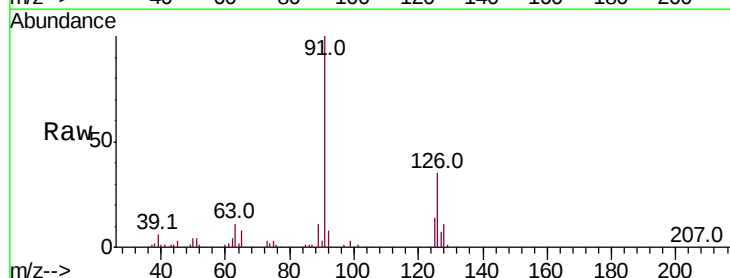
Manual Integrations
APPROVED

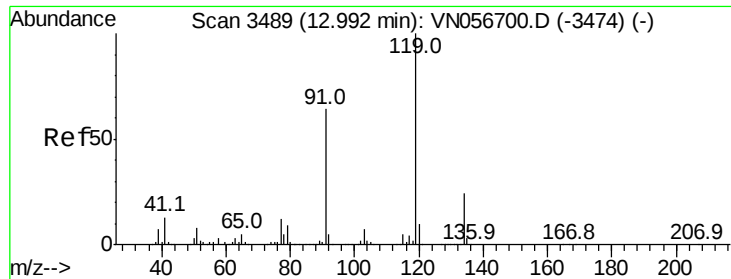
MMDadoda
7/17/2019 4:57:26 PM



#82
4-Chlorotoluene
Concen: 19.514 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion: 91 Resp: 180778
Ion Ratio Lower Upper
91 100
126 34.9 17.6 52.8





#83

tert-Butylbenzene

Concen: 21.206 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

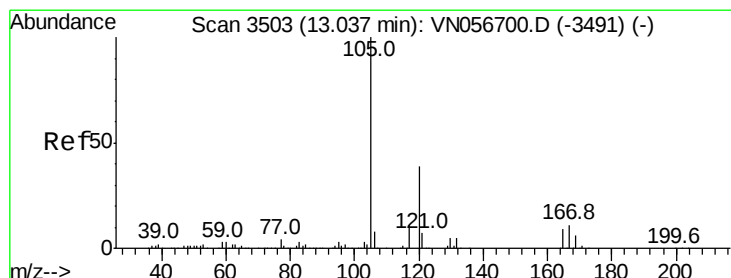
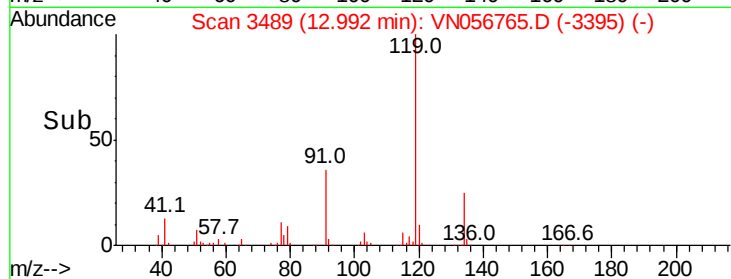
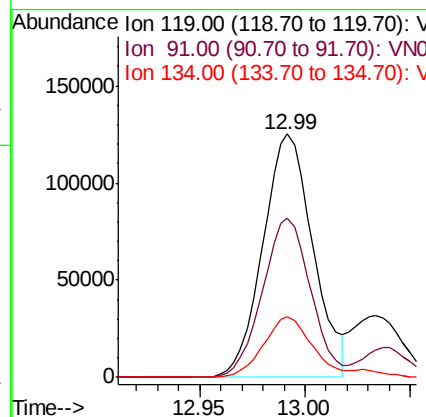
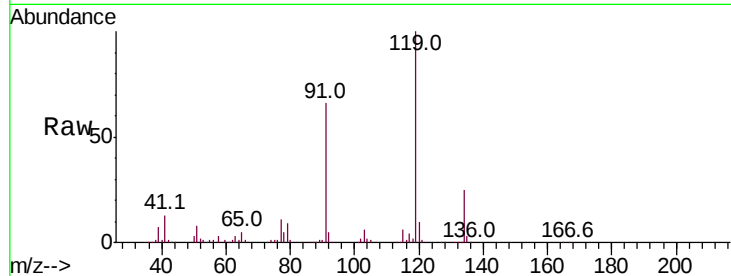
ClientSampleId :

VN0716WBSD01

Tot Ion:	119	Resp:	207030
Ion Ratio	Lower	Upper	
119	100		
91	63.3	31.8	95.4
134	24.3	13.0	38.9

Manual Integrations
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7/17/2019 4:57:26 PM



#84

1,2,4-Trimethylbenzene

Concen: 20.325 ug/l

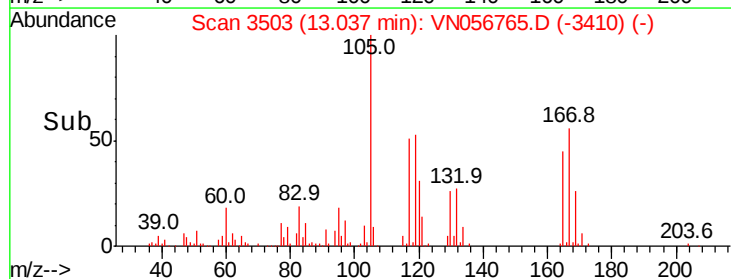
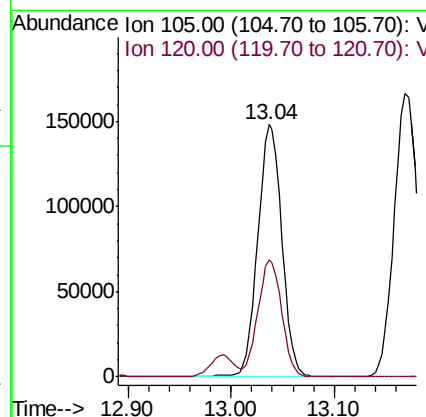
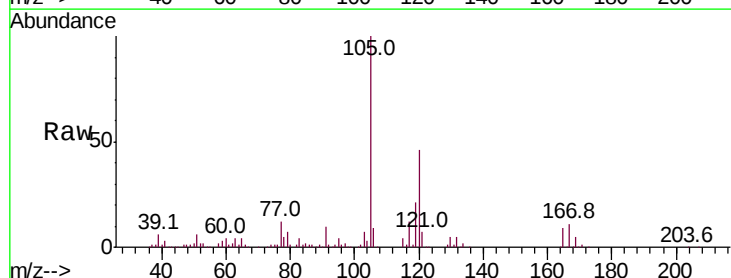
RT: 13.04 min Scan# 3503

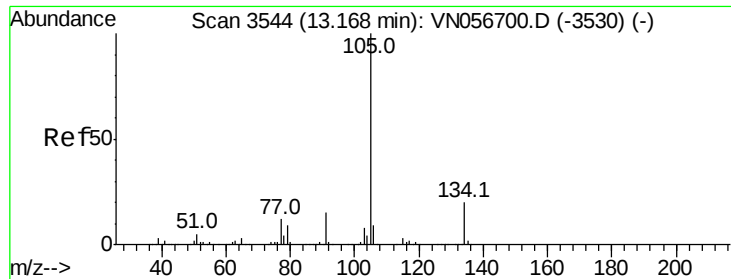
Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Tgt Ion:	105	Resp:	239288
Ion Ratio	Lower	Upper	
105	100		
120	46.2	22.9	68.8





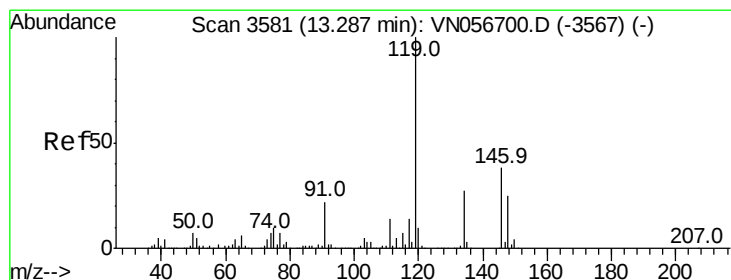
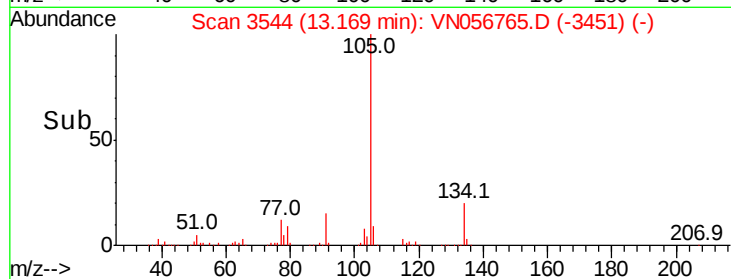
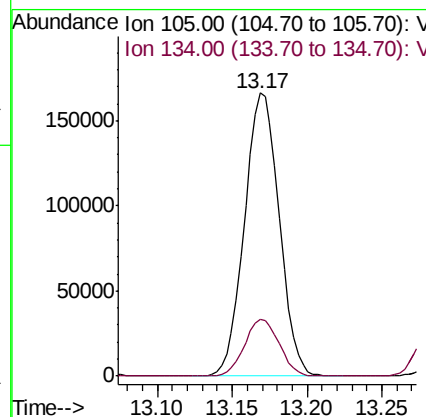
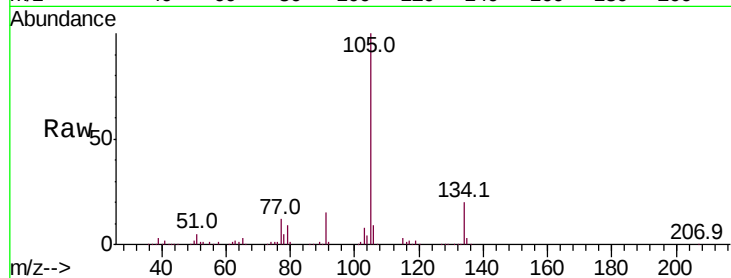
#85
 sec-Butylbenzene
 Concen: 20.064 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1

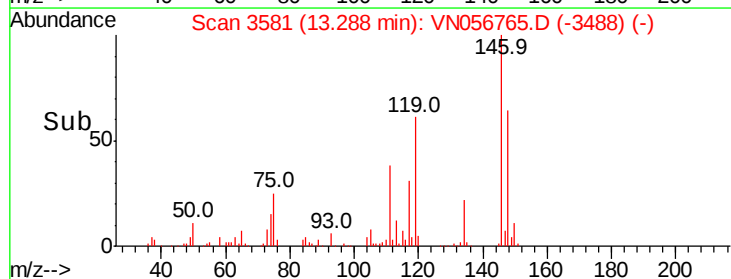
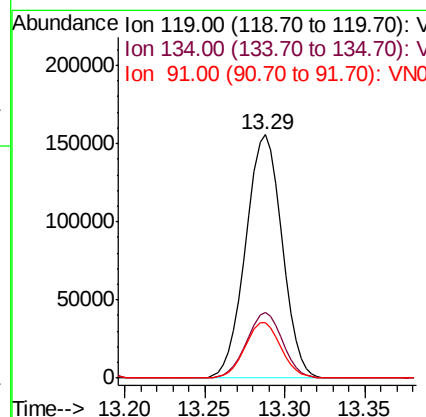
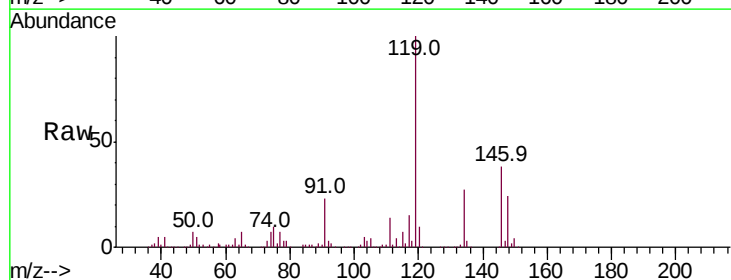
Manual Integrations
 APPROVED

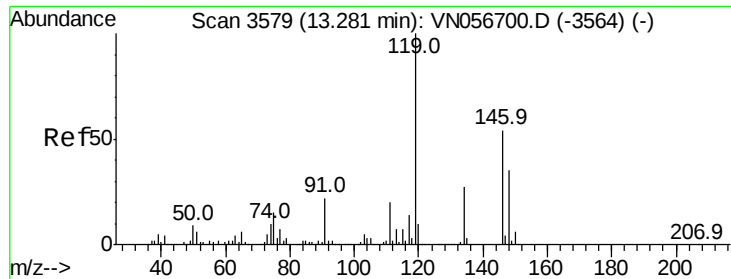
MMDadoda
 7/17/2019 4:57:26 PM



#86
 p-Isopropyltoluene
 Concen: 19.900 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.6	40.7
91	22.7	11.2	33.5





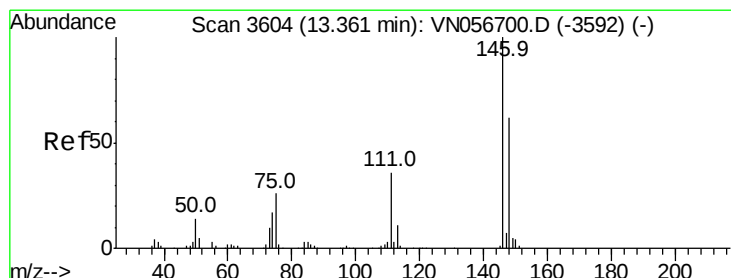
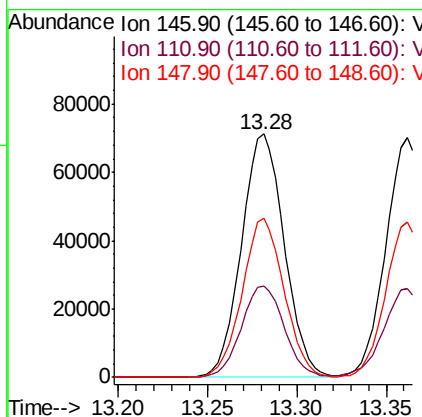
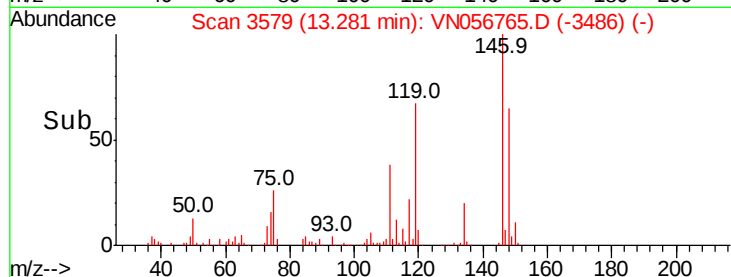
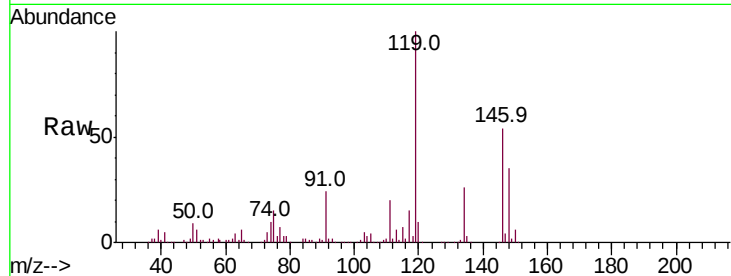
#87
 1,3-Dichlorobenzene
 Concen: 19.598 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.3
148	63.8	32.3	96.8

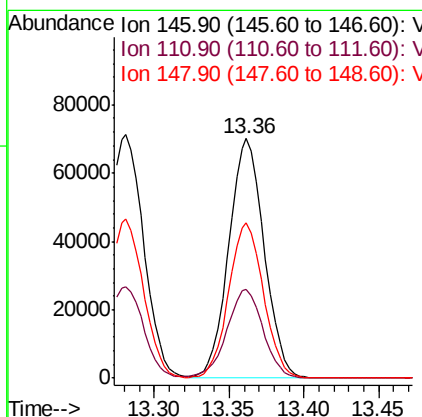
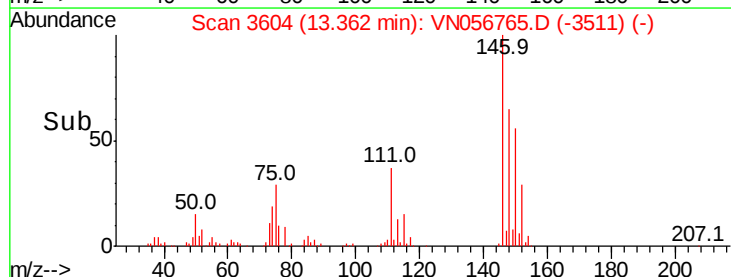
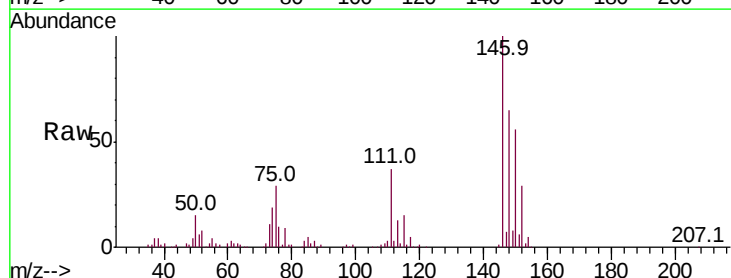
Manual Integrations
 APPROVED

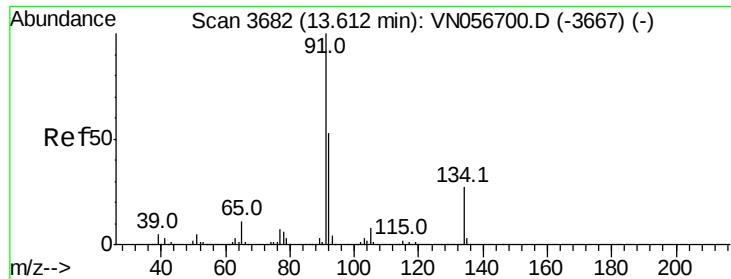
MMDadoda
 7/17/2019 4:57:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.459 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.0	31.9	95.7





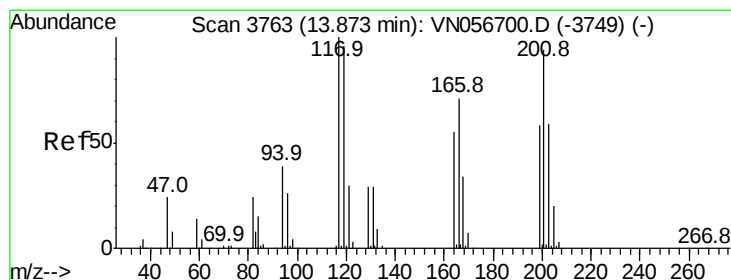
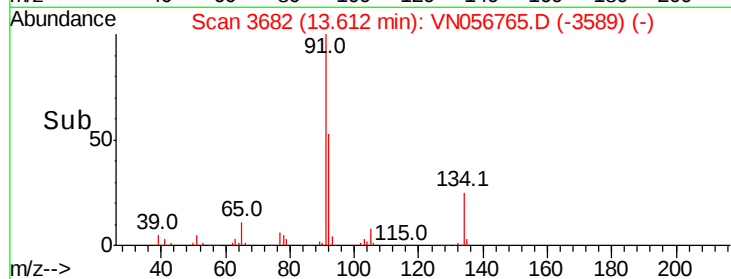
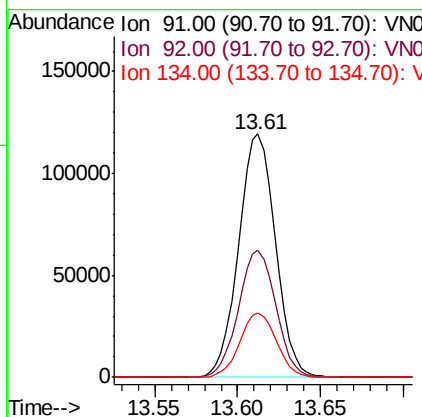
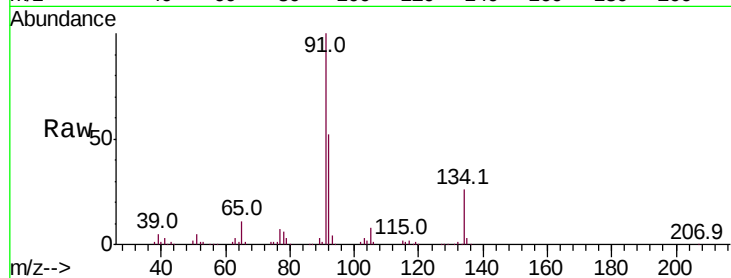
#89
n-Butylbenzene
Concen: 18.859 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0716WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.0	78.0
134	26.4	13.4	40.2

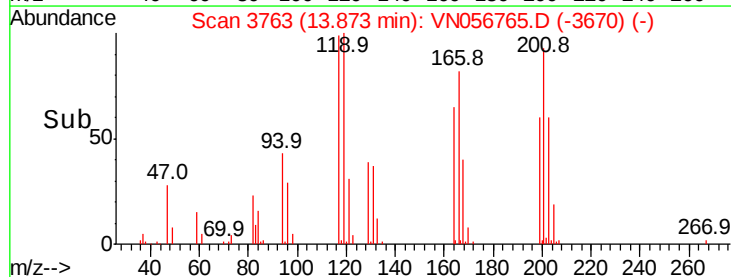
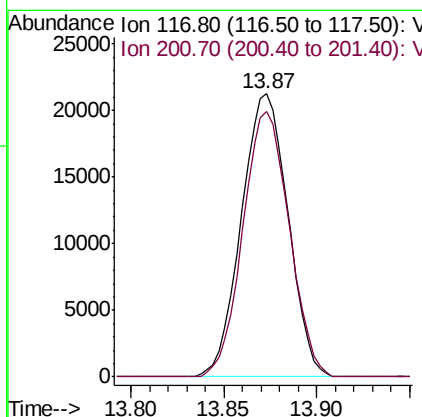
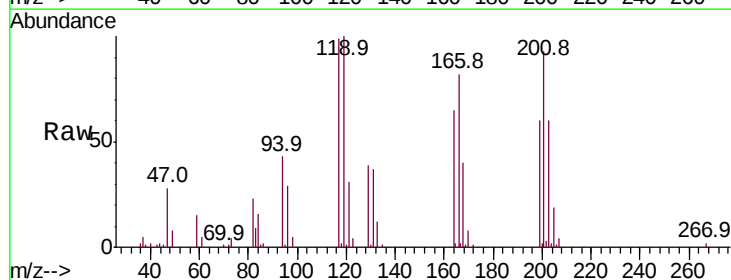
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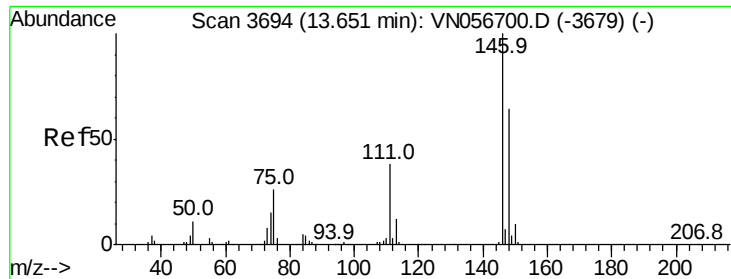
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#90
Hexachloroethane
Concen: 18.881 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056765.D
Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.0	46.5	139.5





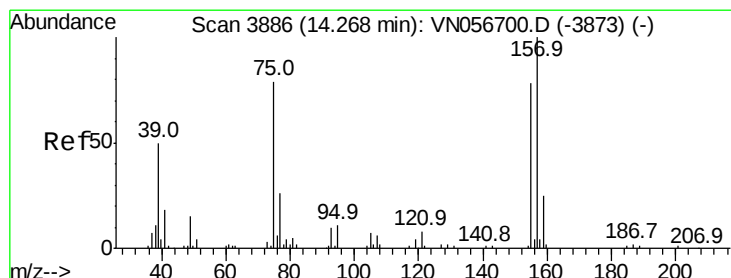
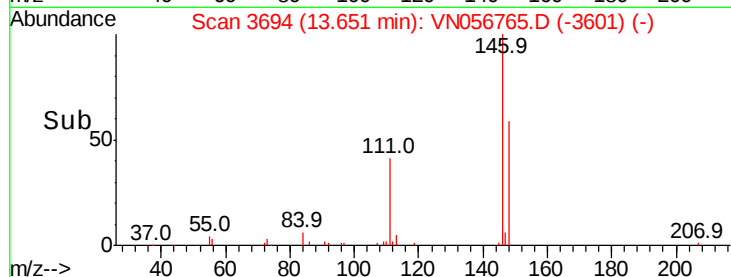
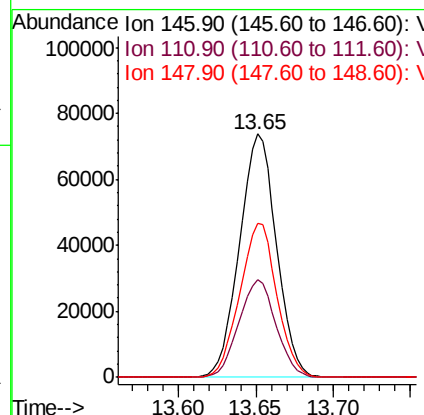
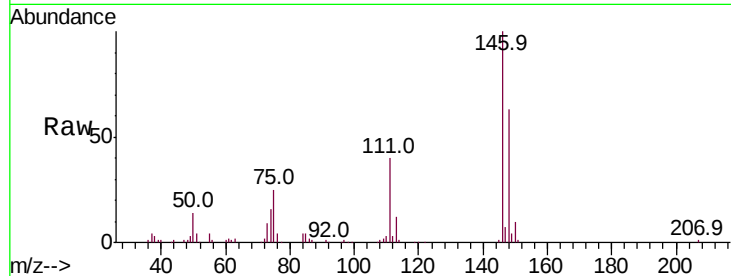
#91
 1,2-Dichlorobenzene
 Concen: 19.644 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122454		
111	40.2	19.1	57.1	
148	63.5	31.7	95.1	

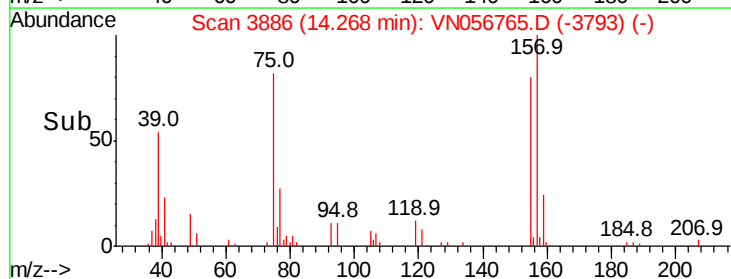
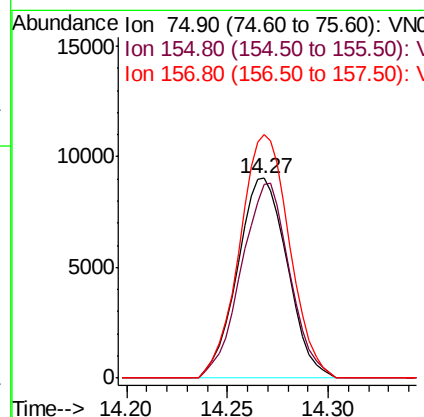
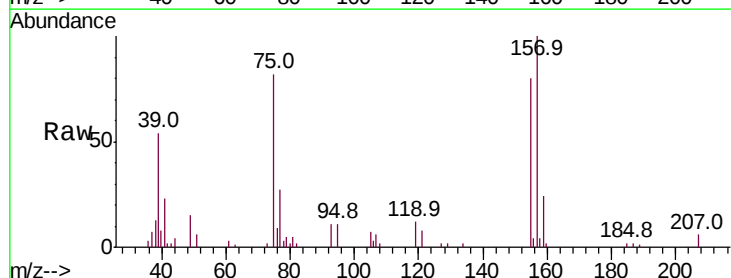
Manual Integrations
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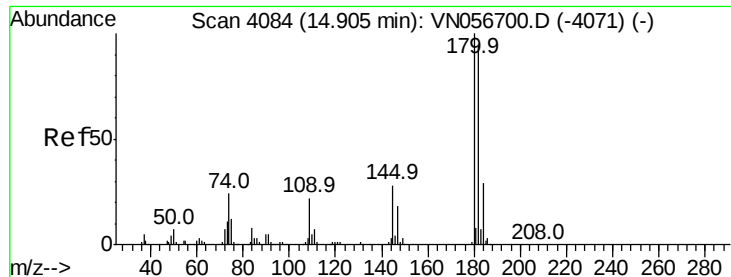
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.453 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15595		
155	95.1	49.3	147.9	
157	121.9	62.4	187.1	





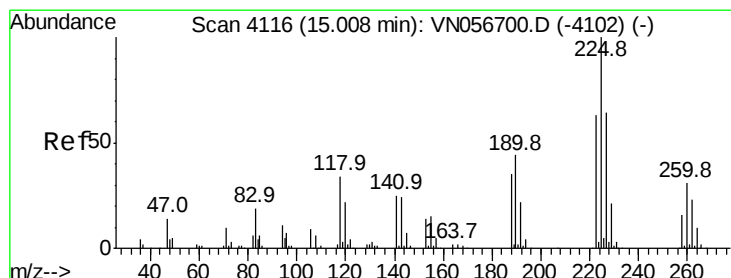
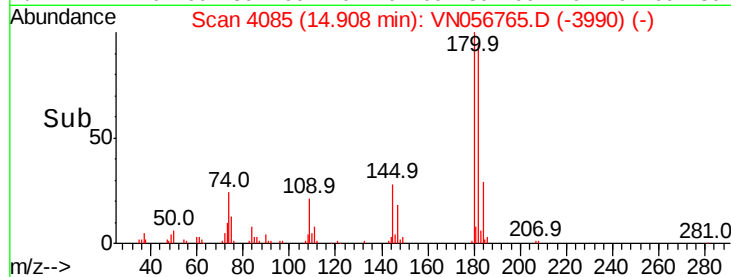
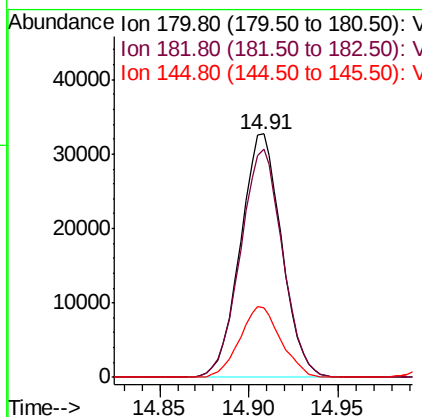
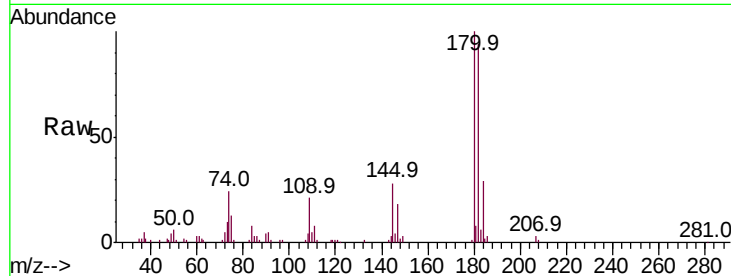
#93
 1,2,4-Trichlorobenzene
 Concen: 17.931 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0716WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.2	141.6
145	28.7	14.2	42.8

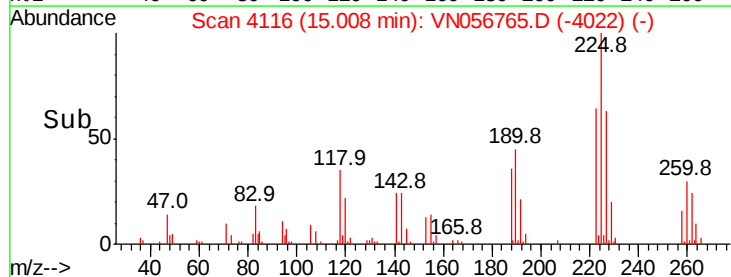
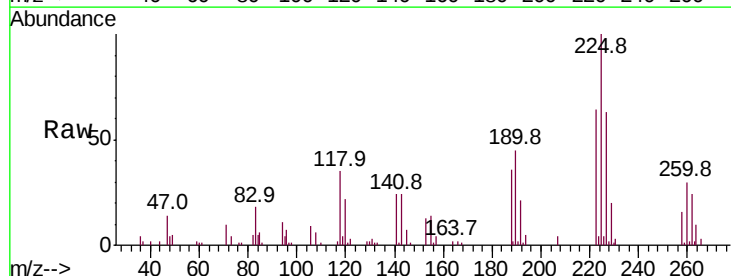
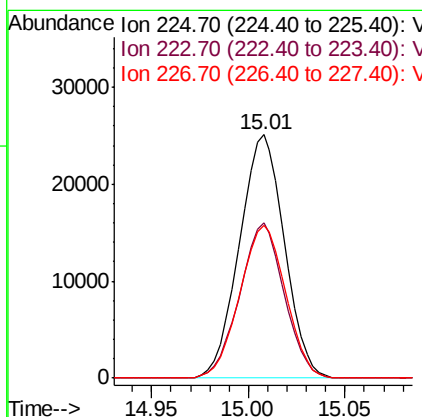
Manual Integrations
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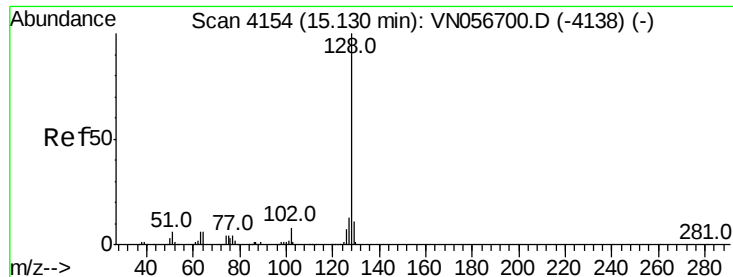
MMDadoda
 7/17/2019 4:57:26 PM



#94
 Hexachlorobutadiene
 Concen: 19.947 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056765.D
 Acq: 16 Jul 2019 13:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.5	94.5
227	63.8	32.0	96.2





#95

Naphthalene

Concen: 17.251 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Instrument :

MSVOA_N

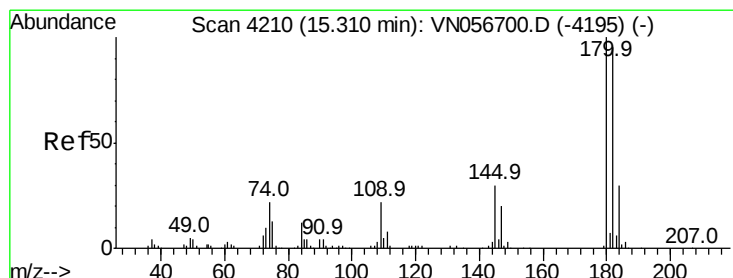
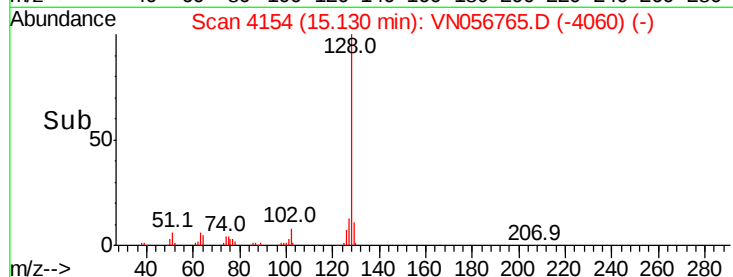
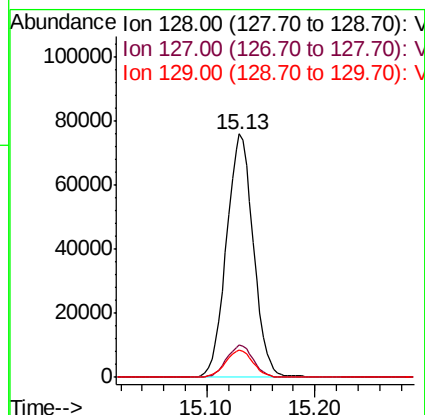
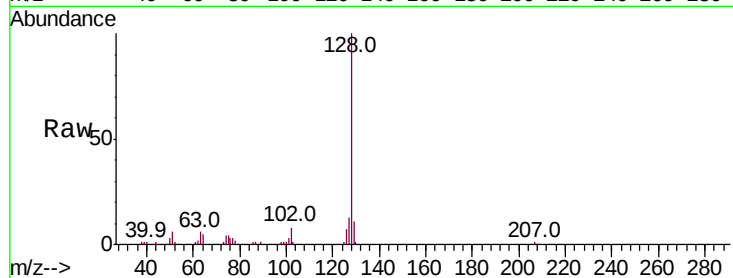
ClientSampleId :

VN0716WBSD01

Tot Ion:	128	Resp:	132198
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.897 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056765.D

Acq: 16 Jul 2019 13:49

Tgt Ion:	180	Resp:	57042
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.1	141.3
145	30.8	15.0	45.1

