

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050765.D
 Acq On : 20 Aug 2018 11:19
 Operator : MD\SY
 Sample : VN0820WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 2:12:59 PM

Quant Time: Aug 21 03:06:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	116673	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	634872	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	560644	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	230271	29.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.80%
60) 4-Bromofluorobenzene	12.40	95	253642	29.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.17%
63) Toluene-d8	10.09	98	808530	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	119168	14.82	ug/l	96
3) Chloromethane	2.06	50	158684	19.14	ug/l	100
4) Vinyl Chloride	2.18	62	158838	18.00	ug/l	97
5) Bromomethane	2.57	94	90152	16.76	ug/l	94
6) Chloroethane	2.70	64	99089	18.98	ug/l	98
7) Trichlorofluoromethane	3.01	101	212985	18.47	ug/l	99
8) Diethyl Ether	3.41	74	70238	18.16	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135188	19.27	ug/l	98
10) 1,1-Dichloroethene	3.74	96	118805	19.10	ug/l	97
11) Methyl Iodide	3.95	142	76811	8.39	ug/l	100
12) Methyl Acetate	4.33	43	110561	15.52	ug/l	99
13) Acrolein	3.61	56	29428	66.82	ug/l	98
14) Acrylonitrile	5.00	53	203477	85.58	ug/l	98
15) Acetone	3.82	58	65489	103.64	ug/l	87
16) Carbon Disulfide	4.05	76	353995	18.60	ug/l	99
17) Allyl chloride	4.33	41	183949	18.72	ug/l	95
18) Methylene Chloride	4.55	84	145562	20.28	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	129301	19.41	ug/l	97
20) Diisopropyl ether	5.95	45	410833	20.40	ug/l	98
21) 1,1-Dichloroethane	5.85	63	245035	19.35	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	145268	19.67	ug/l	98
23) tert-Butyl Alcohol	4.79	59	36528	68.75	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	305627	18.02	ug/l	98
25) Chloroform	7.37	83	252778	19.71	ug/l	99
26) Cyclohexane	7.65	56	193986	19.27	ug/l	99
29) 1,1-Dichloropropene	7.79	75	182394	18.51	ug/l	100
30) 2-Butanone	6.84	43	289591	93.67	ug/l	# 94
31) 2,2-Dichloropropane	6.82	77	200472	18.41	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	208355	17.97	ug/l	99
33) Carbon Tetrachloride	7.77	117	186686	18.06	ug/l	100
34) Benzene	8.04	78	561637	18.77	ug/l	98
35) Methacrylonitrile	7.17	41	52369	14.88	ug/l	95
36) 1,2-Dichloroethane	8.12	62	170304	17.33	ug/l	100
37) Trichloroethene	8.83	130	146118	18.62	ug/l	97
38) Methylcyclohexane	9.08	83	187659	18.07	ug/l	100
39) 1,2-Dichloropropane	9.12	63	150938	19.15	ug/l	98
40) Dibromomethane	9.21	93	86070	17.67	ug/l	99

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

41) Bromodichloromethane	9.40	83	186644	18.16	ug/l	100
42) Vinyl Acetate	5.90	43	1236440	84.98	ug/l	100
43) Ethyl Acetate	6.93	43	104745	16.22	ug/l #	90
44) Isopropyl Acetate	8.17	43	182075	15.22	ug/l	97
45) 1,4-Dioxane	9.20	88	24026	305.29	ug/l #	93
46) Methyl methacrylate	9.20	41	86712	14.96	ug/l	95
47) n-amyl Acetate	12.07	43	138593	14.89	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	175828	17.95	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	211121	18.34	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	125388	17.93	ug/l	98
51) Ethyl methacrylate	10.43	69	135011	15.91	ug/l	99
52) 1,3-Dichloropropane	10.71	76	205693	17.91	ug/l	99
53) Dibromochloromethane	10.90	129	140053	17.65	ug/l	99
54) 1,2-Dibromoethane	11.01	107	119525	17.45	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	343637	89.46	ug/l	99
56) Bromoform	12.13	173	93956	16.77	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	635926	97.48	ug/l	98
59) 2-Hexanone	10.75	43	410444	92.22	ug/l	99
61) Tetrachloroethene	10.63	164	134531	17.72	ug/l	97
62) Toluene	10.16	91	607786	19.00	ug/l	100
64) Chlorobenzene	11.43	112	370685	19.11	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	141348	18.68	ug/l	99
66) Ethyl Benzene	11.51	91	602244	18.42	ug/l	100
67) m/p-Xylenes	11.62	106	481261	38.26	ug/l	99
68) o-Xylene	11.95	106	228094	19.06	ug/l	98
69) Styrene	11.96	104	365092	19.03	ug/l	100
70) Isopropylbenzene	12.25	105	599000	18.79	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	152986	17.48	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	119394m	15.97	ug/l	
73) Bromobenzene	12.53	156	154784	18.23	ug/l	99
74) n-propylbenzene	12.59	91	683535	18.41	ug/l	100
75) 2-Chlorotoluene	12.67	91	419606	18.82	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	498098	19.02	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	33890	13.87	ug/l	90
78) 4-Chlorotoluene	12.77	91	412077	18.65	ug/l	99
79) tert-butylbenzene	12.99	119	418956	18.72	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	506945	19.11	ug/l	99
81) sec-Butylbenzene	13.17	105	568320	18.69	ug/l	100
82) p-Isopropyltoluene	13.29	119	485195	18.70	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	263430	17.82	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	246857	17.67	ug/l	99
85) n-Butylbenzene	13.62	91	359319	17.06	ug/l	98
86) Hexachloroethane	13.87	117	91253	17.60	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	258956	17.92	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18747	13.75	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	97913	14.18	ug/l	99
90) Hexachlorobutadiene	15.01	225	84512	18.57	ug/l	99
91) Naphthalene	15.13	128	175700	15.76	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	98979	14.10	ug/l	98

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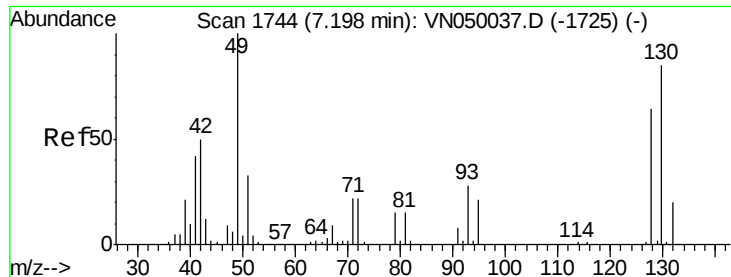
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



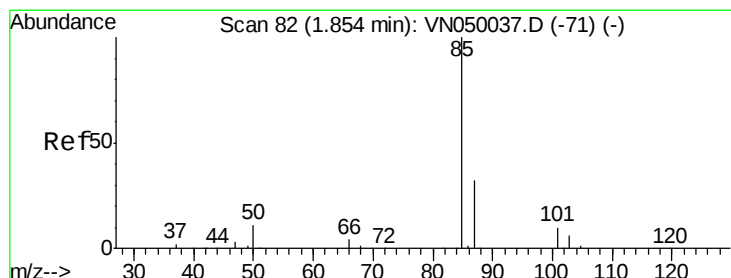
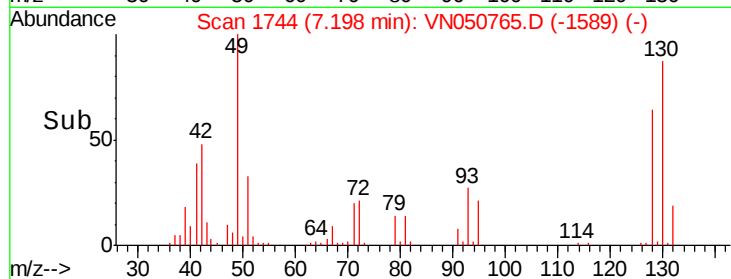
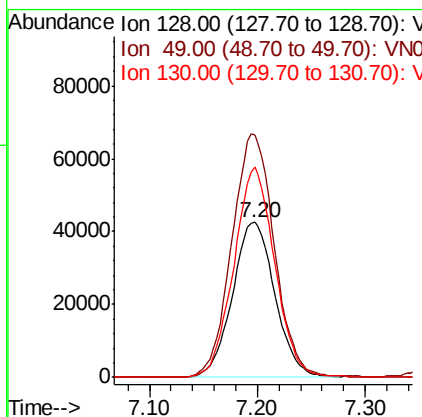
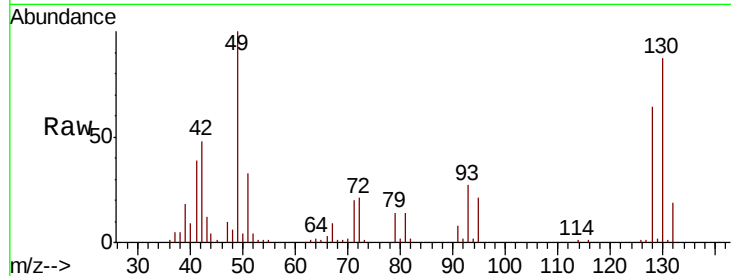
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	157.0	0.0	378.3
130	130.3	0.0	320.7

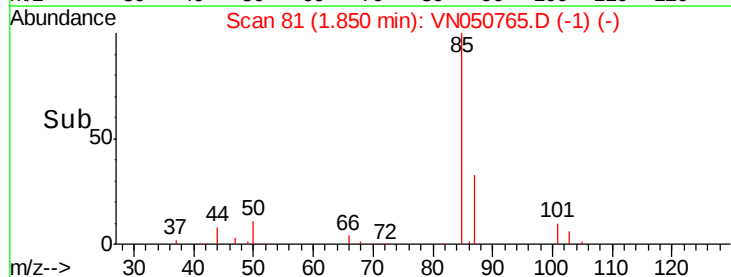
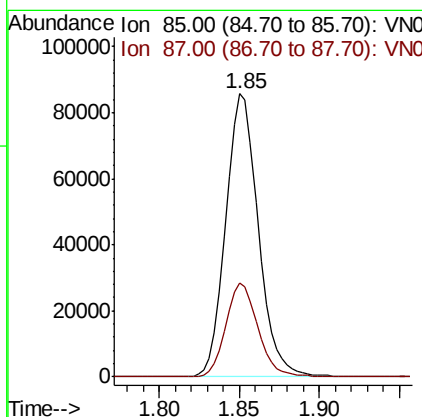
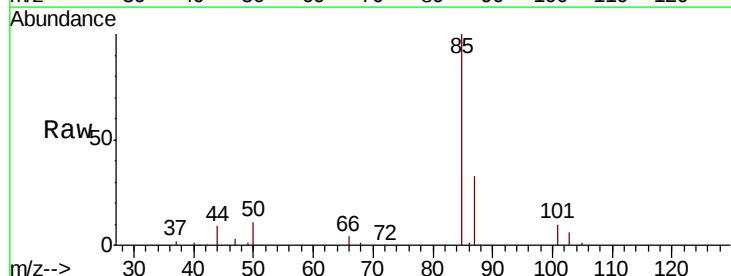
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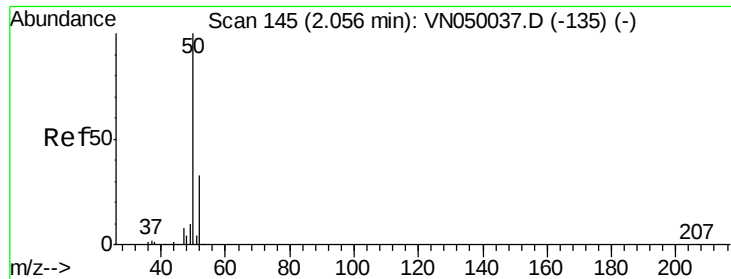
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#2
 Dichlorodifluoromethane
 Concen: 14.82 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.0	15.4	46.4





#3

Chloromethane

Concen: 19.14 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

Tot Ion: 50 Resp: 158684

Ion Ratio Lower Upper

50 100

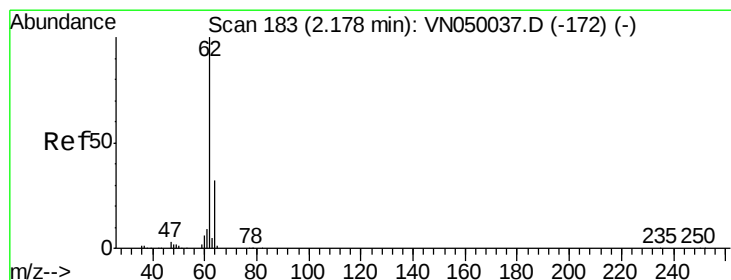
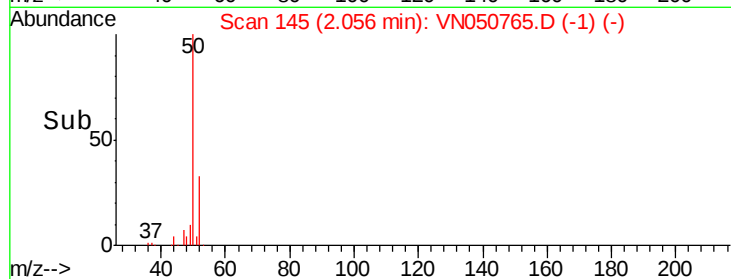
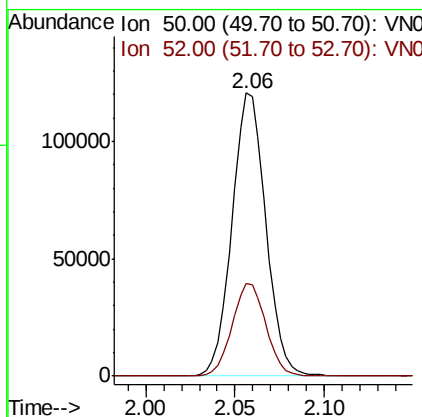
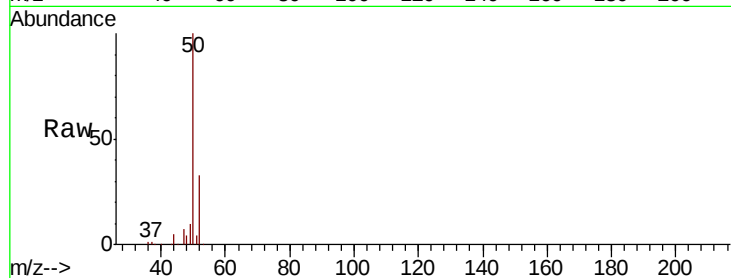
52 32.8 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.00 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.01 min

Lab File: VN050765.D

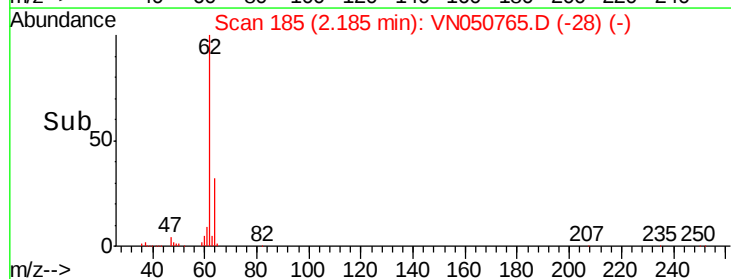
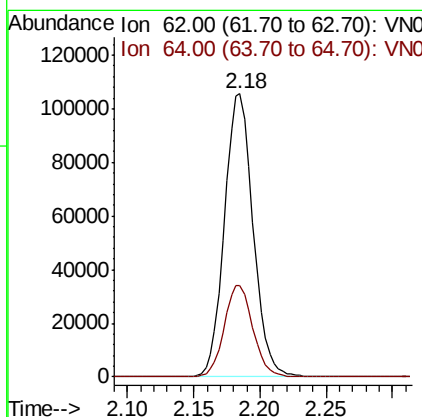
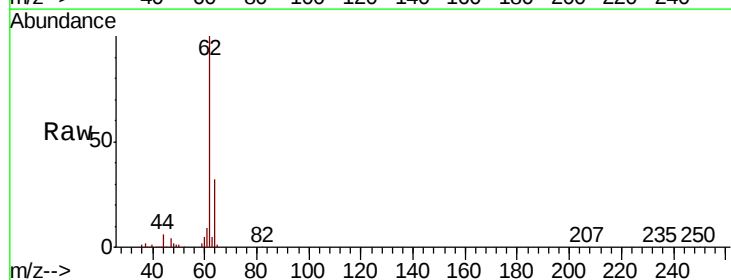
Acq: 20 Aug 2018 11:19

Tgt Ion: 62 Resp: 158838

Ion Ratio Lower Upper

62 100

64 32.2 24.4 36.6





#5

Bromomethane

Concen: 16.76 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

Tot Ion: 94 Resp: 90152

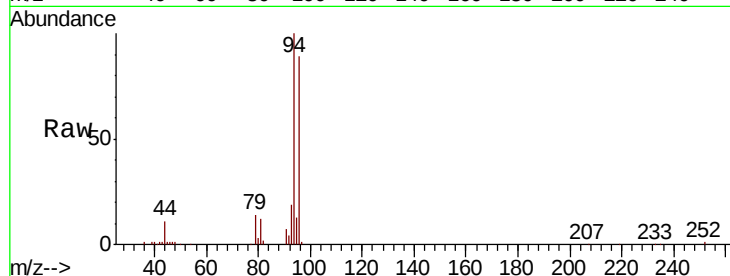
Ion Ratio Lower Upper

94 100

96 88.7 75.9 113.9

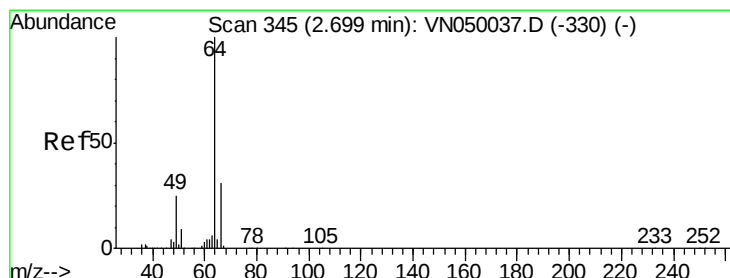
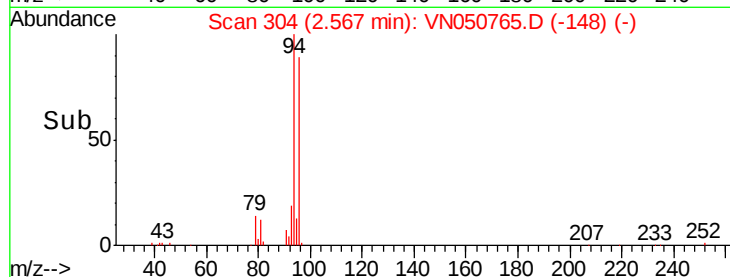
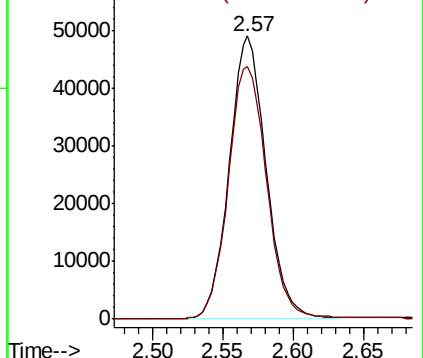
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.98 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050765.D

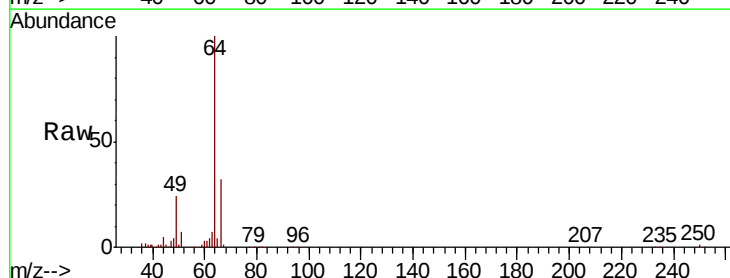
Acq: 20 Aug 2018 11:19

Tgt Ion: 64 Resp: 99089

Ion Ratio Lower Upper

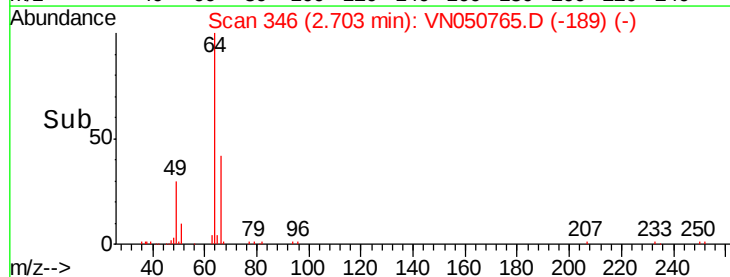
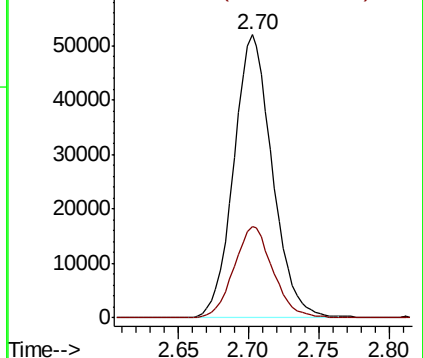
64 100

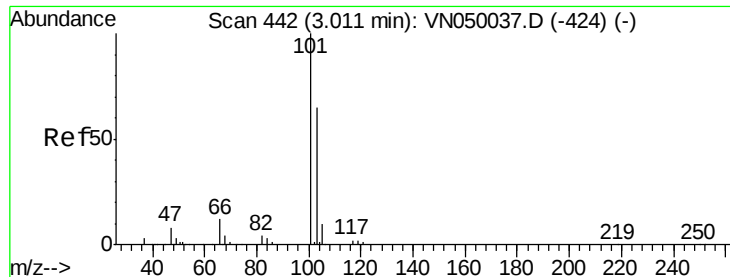
66 32.3 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

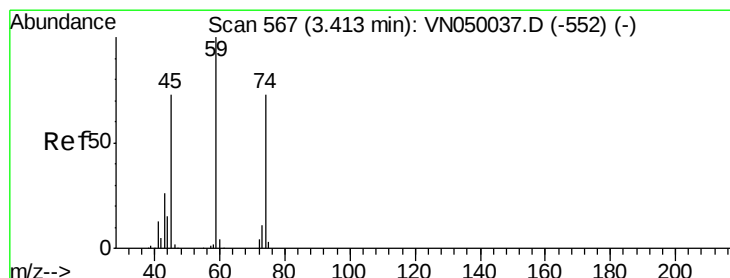
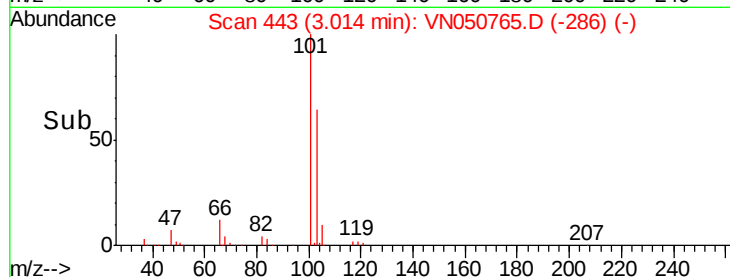
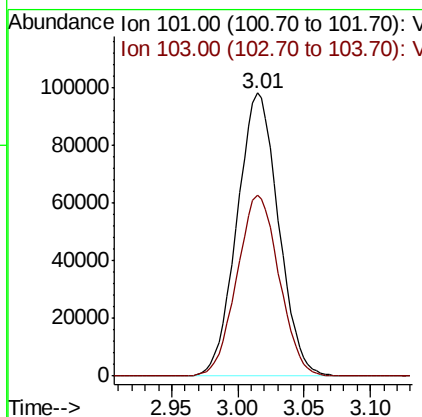
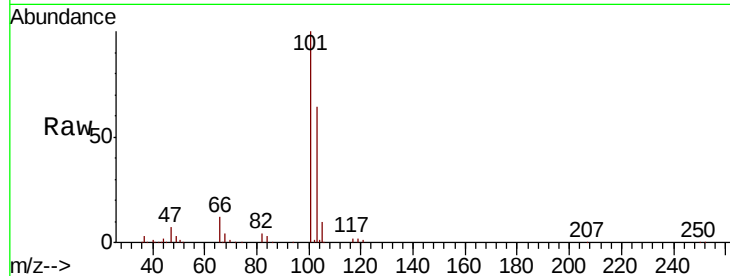
Trichlorofluoromethane
 Concen: 18.47 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
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 ClientSampleId :
 VN0820WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.5	77.3

Manual Integrations
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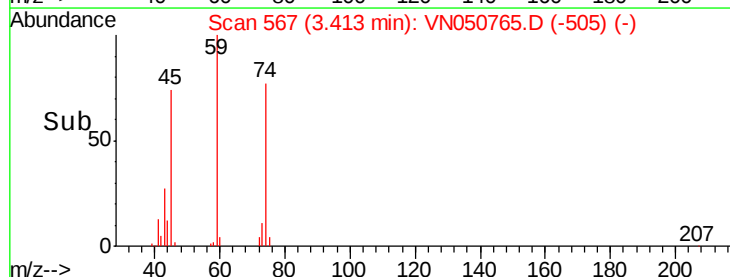
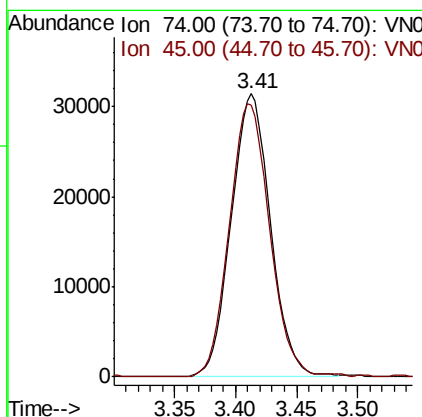
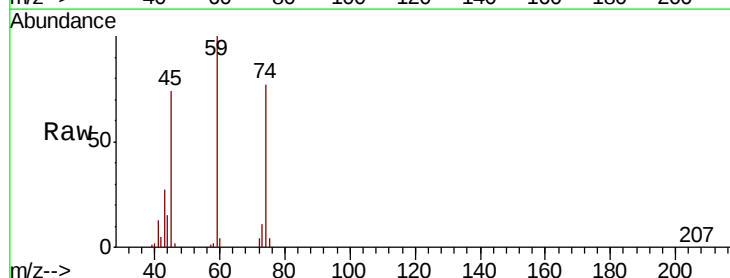
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 8/21/2018 2:12:59 PM

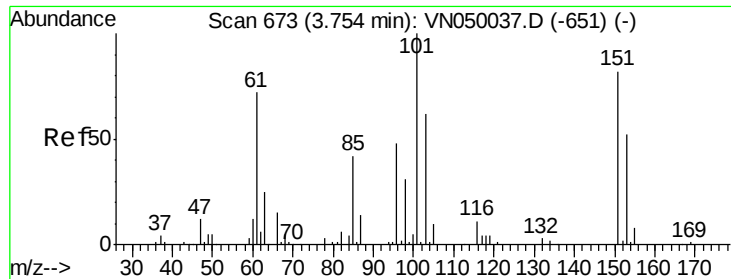


#8

Diethyl Ether
 Concen: 18.16 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.27 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

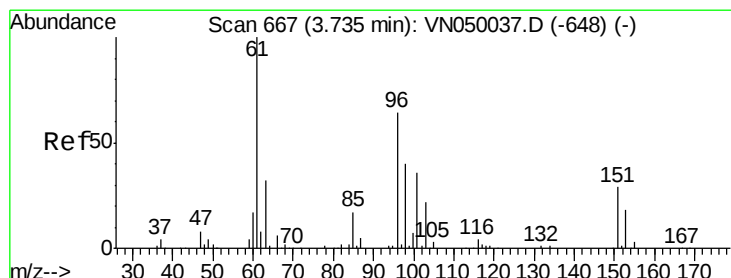
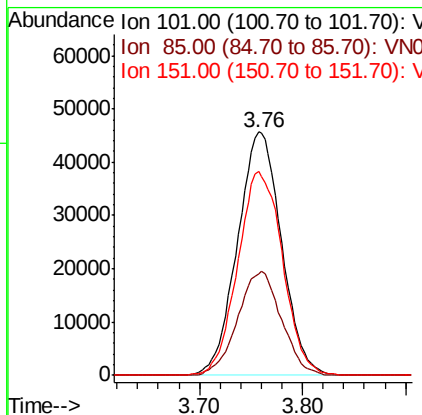
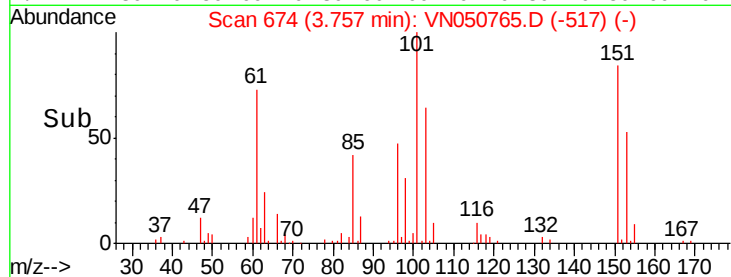
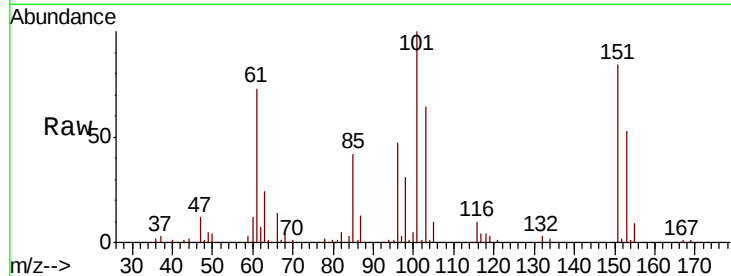
ClientSampleId :

VN0820WBS01

Tot Ion:	101	Resp:	135188
Ion Ratio	Lower	Upper	
101	100		
85	42.4	0.0	83.0
151	85.4	0.0	166.8

Manual Integrations
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8/21/2018 2:12:59 PM



#10

1,1-Dichloroethene

Concen: 19.10 ug/l

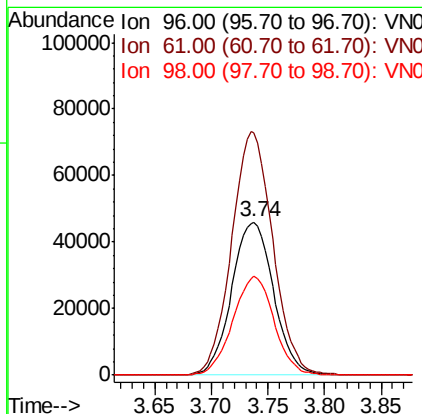
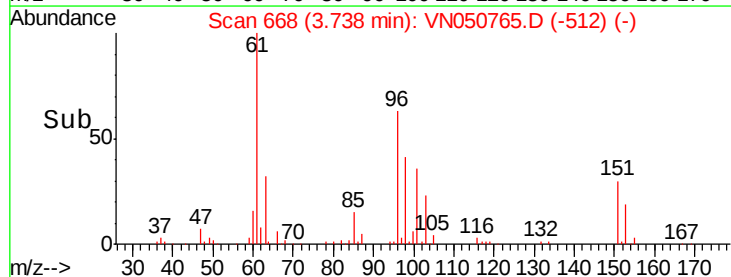
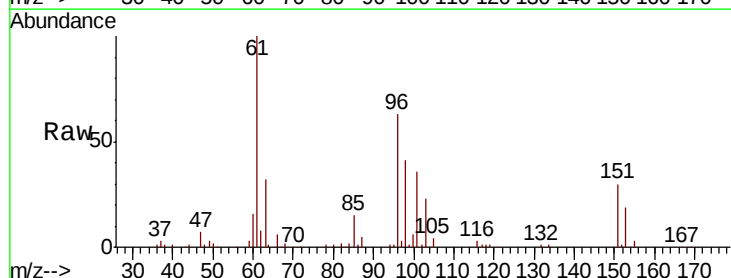
RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Tgt Ion:	96	Resp:	118805
Ion Ratio	Lower	Upper	
96	100		
61	158.2	130.6	195.8
98	64.7	53.5	80.3





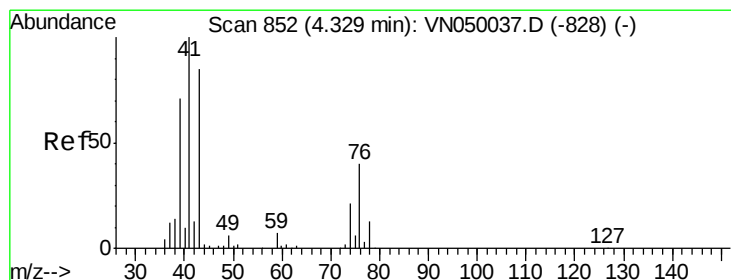
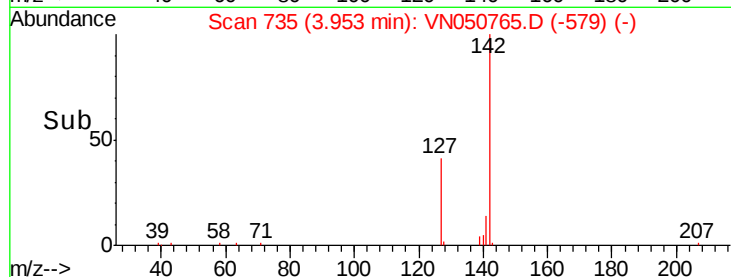
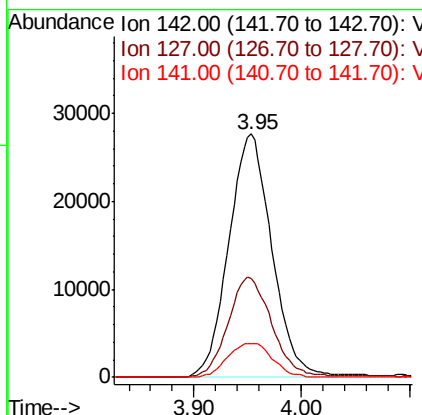
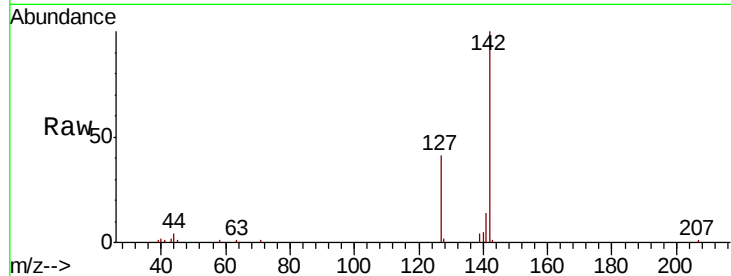
#11
Methyl Iodide
Concen: 8.39 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.4	20.2	60.5
141	13.7	6.9	20.6

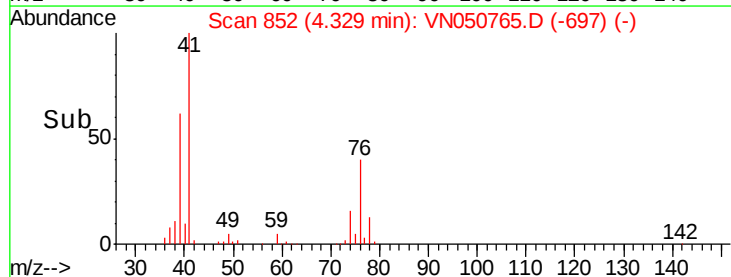
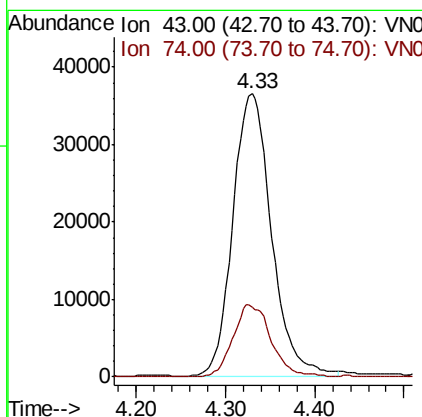
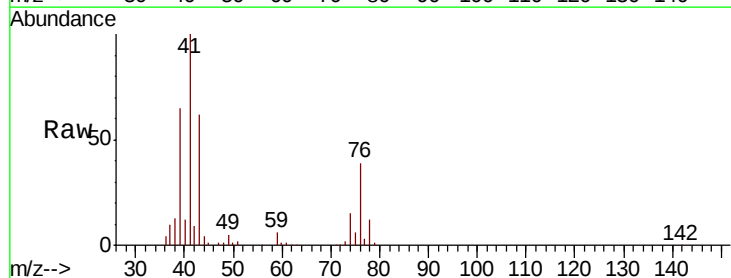
Manual Integrations
APPROVED

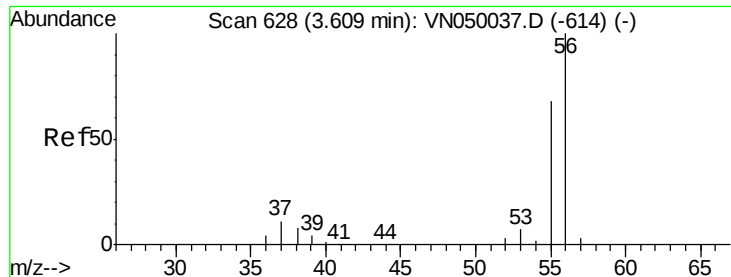
MMDadoda
8/21/2018 2:12:59 PM



#12
Methyl Acetate
Concen: 15.52 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.3	28.9





#13

Acrolein

Concen: 66.82 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

Tot Ion: 56 Resp: 29428

Ion Ratio Lower Upper

56 100

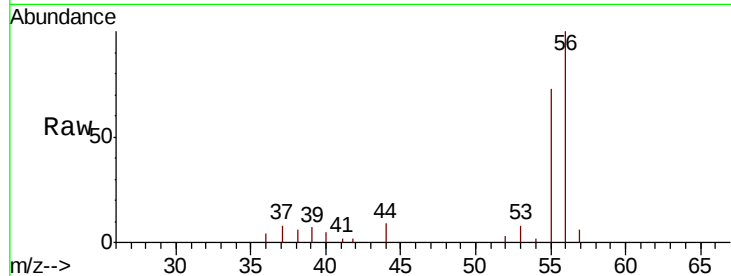
55 71.6 58.6 88.0

Manual Integrations

APPROVED

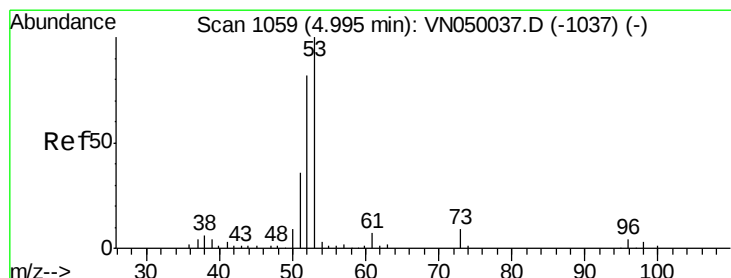
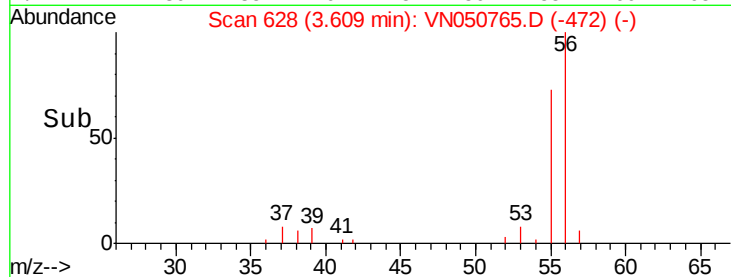
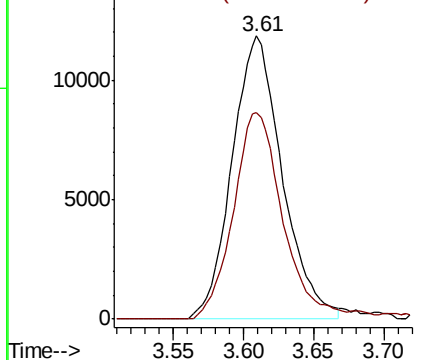
MMDadoda

8/21/2018 2:12:59 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 85.58 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

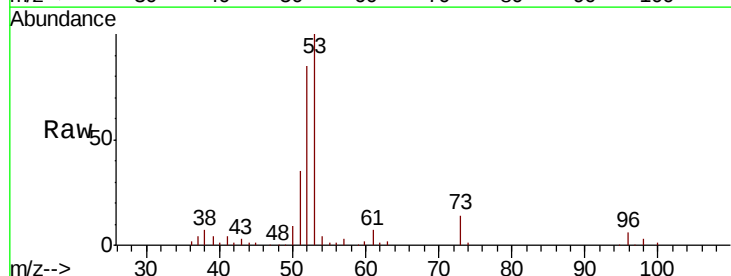
Tgt Ion: 53 Resp: 203477

Ion Ratio Lower Upper

53 100

52 81.9 41.5 124.5

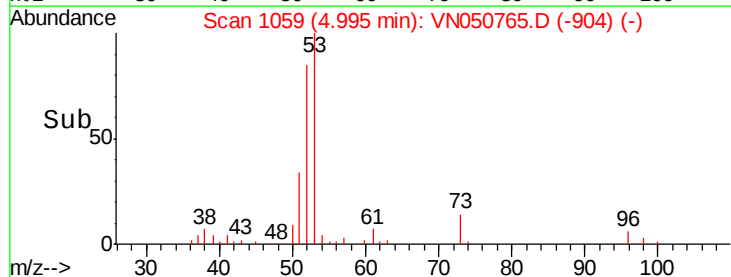
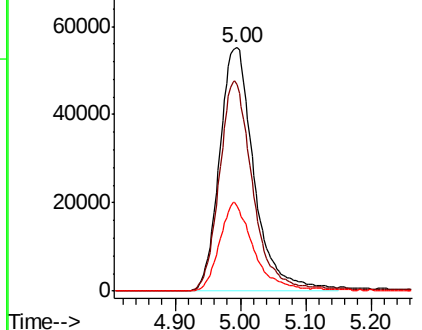
51 35.5 18.7 56.1

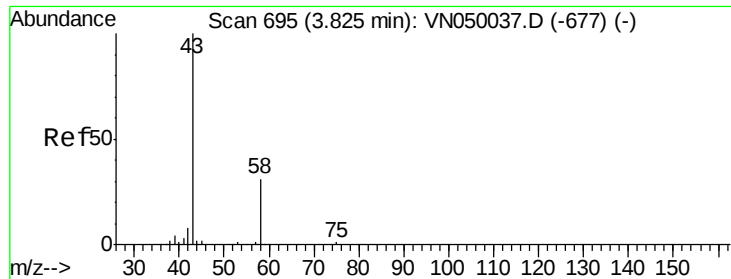


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 103.64 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

Tot Ion: 58 Resp: 65489

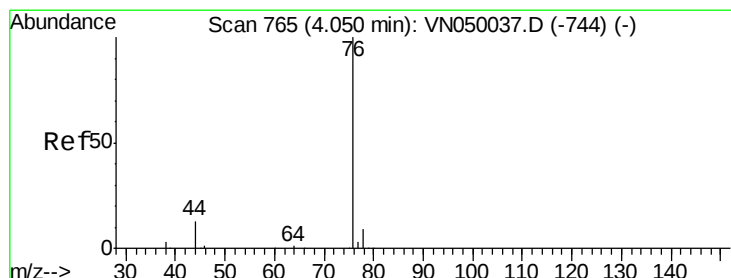
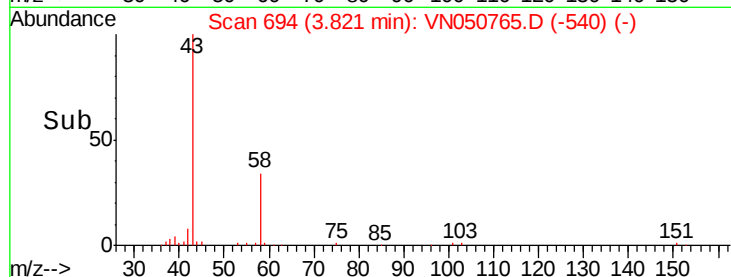
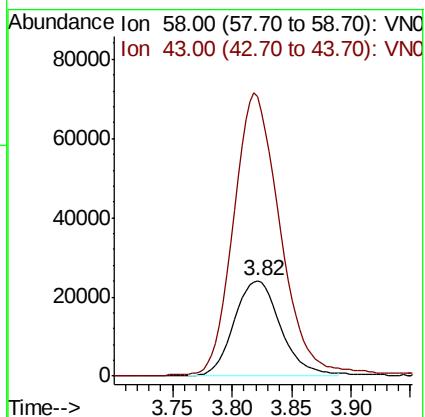
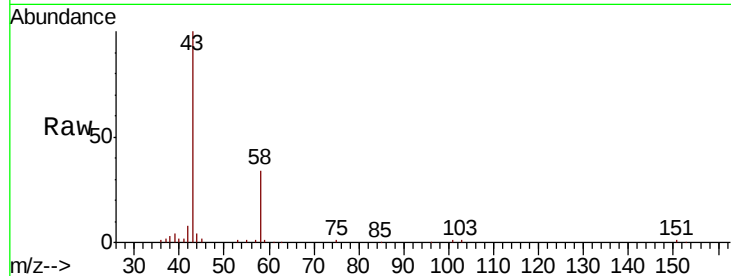
Ion Ratio Lower Upper

58 100

43 289.3 252.0 378.0

Manual Integrations
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#16

Carbon Disulfide

Concen: 18.60 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050765.D

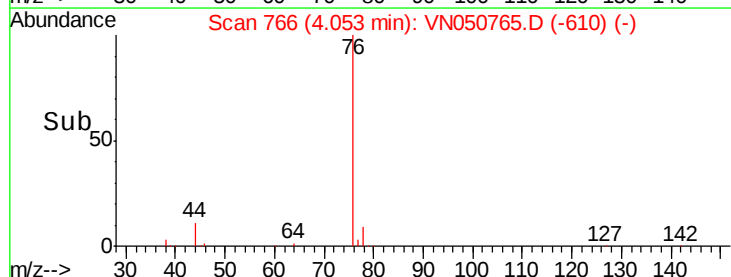
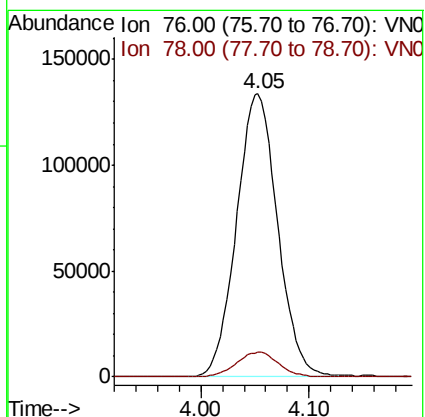
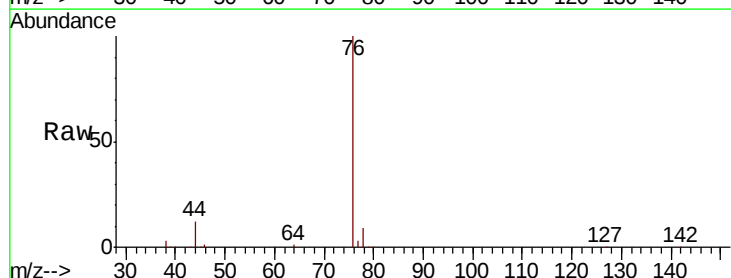
Acq: 20 Aug 2018 11:19

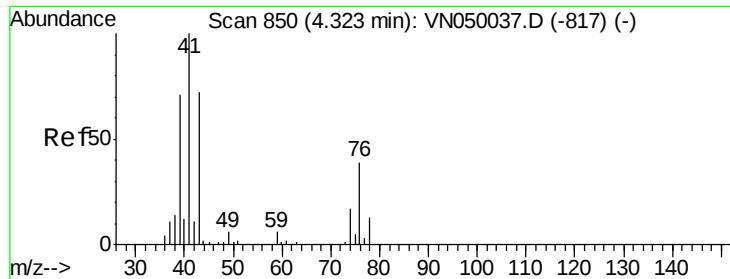
Tgt Ion: 76 Resp: 353995

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9





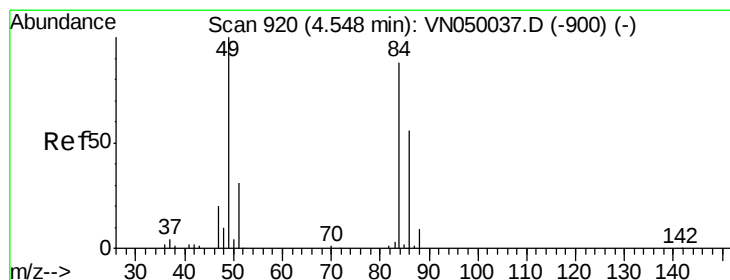
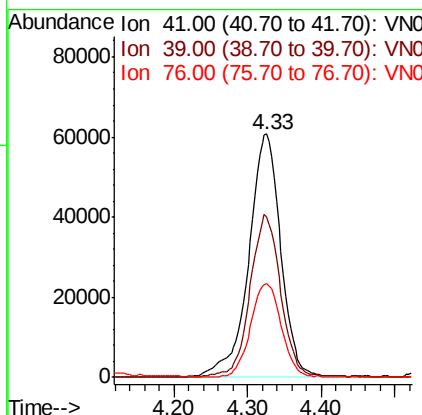
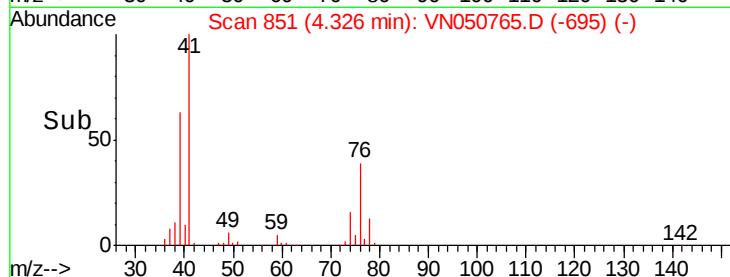
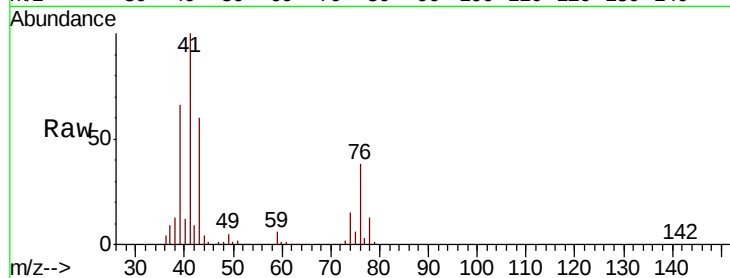
#17
Allvl chloride
Concen: 18.72 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.9	35.4	106.3
76	38.2	19.7	59.1

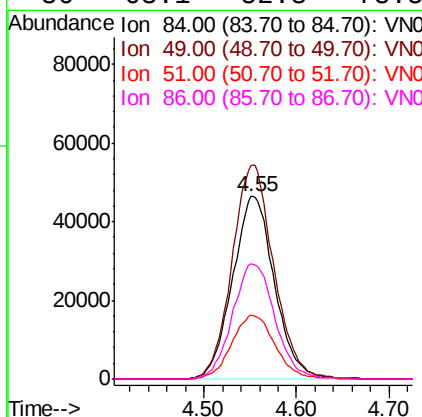
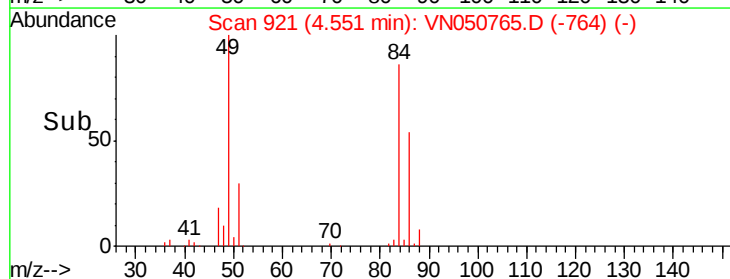
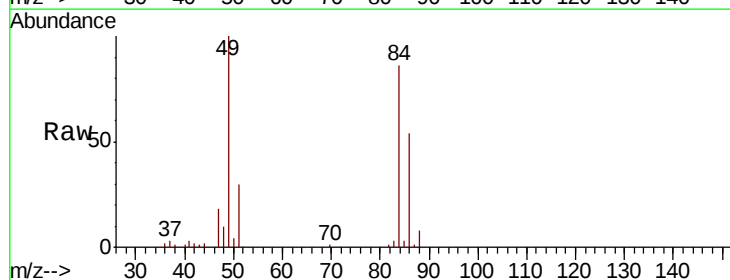
Manual Integrations
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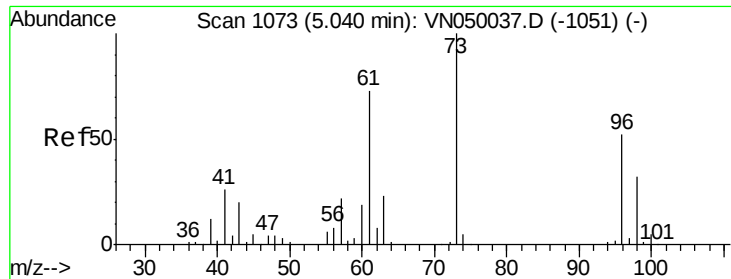
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#18
Methylene Chloride
Concen: 20.28 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.8	95.1	142.7
51	35.2	28.8	43.2
86	63.1	52.3	78.5





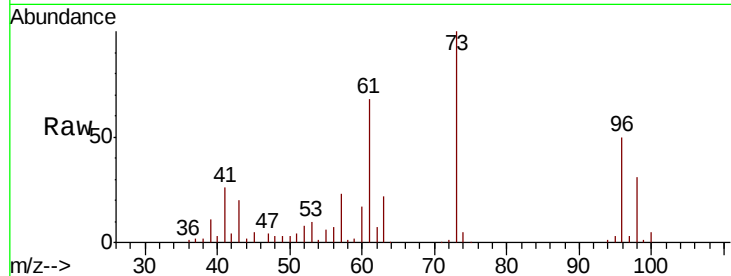
#19
trans-1,2-Dichloroethene
Concen: 19.41 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	112.1	168.1
98	61.8	51.3	76.9

Manual Integrations
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MMDadoda
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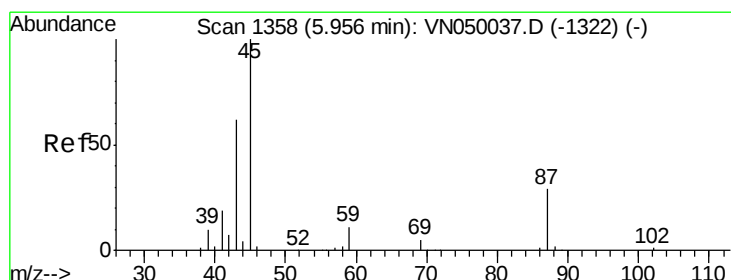
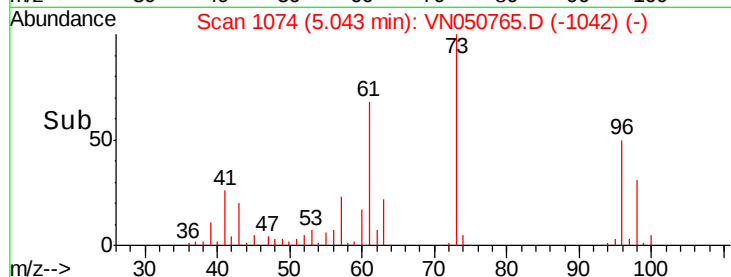
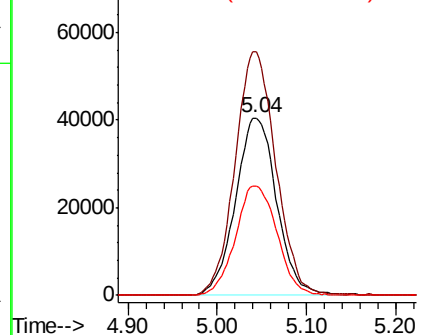


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 20.40 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	46.6	70.0
87	28.0	22.3	33.5
59	12.3	9.5	14.3

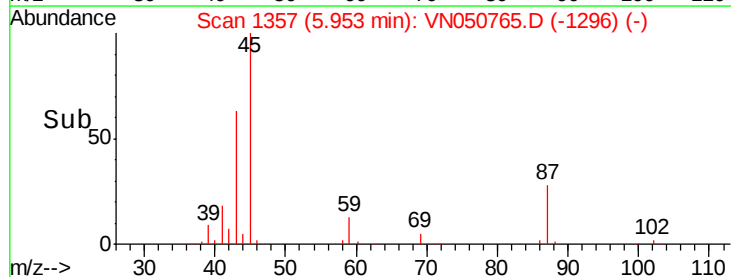
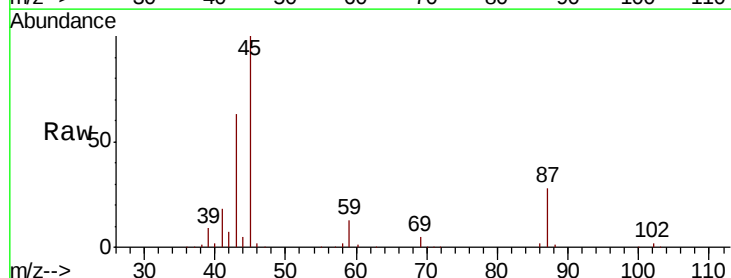
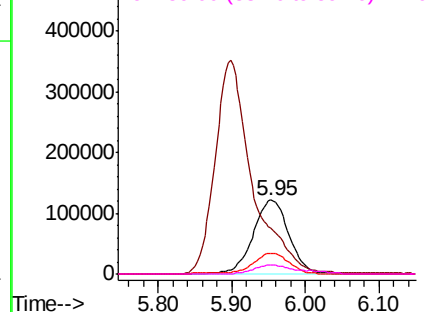
Abundance

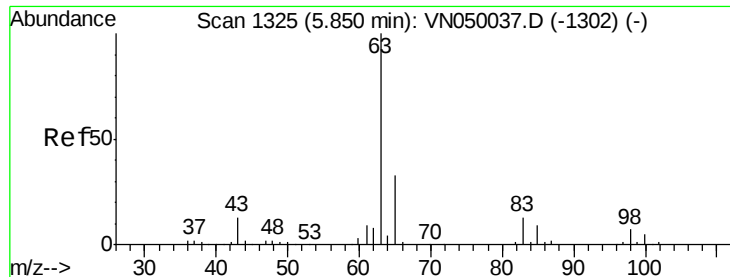
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 19.35 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

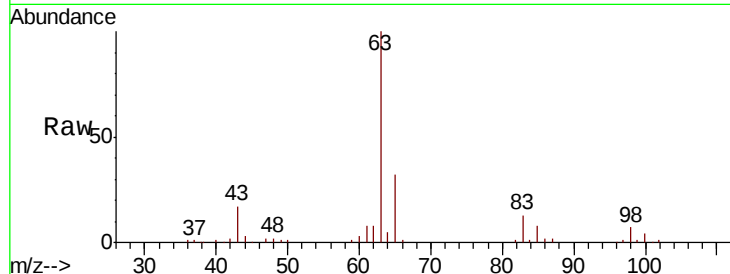
ClientSampleId :

VN0820WBS01

Tot Ion	63	Resp	245035
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.5	10.6
100	4.0	2.3	6.8

Manual Integrations
APPROVED

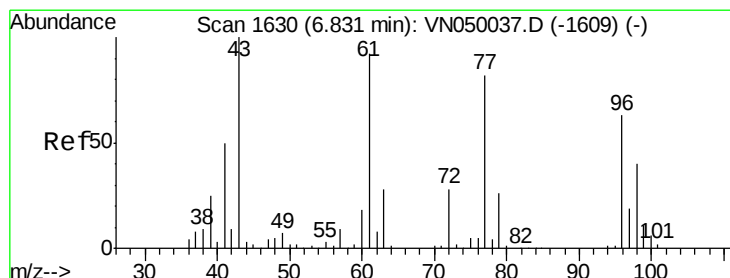
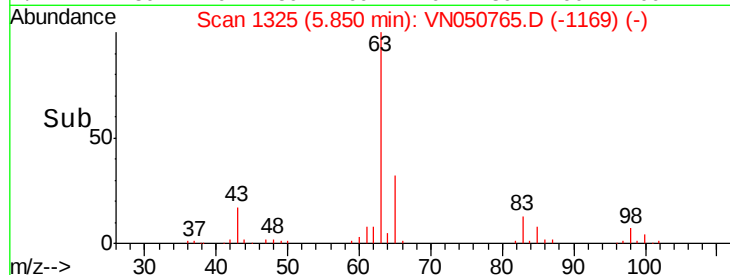
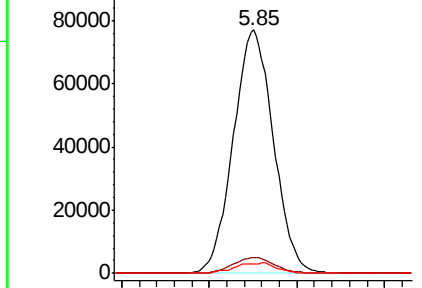
MMDadoda
8/21/2018 2:12:59 PM



Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.67 ug/l

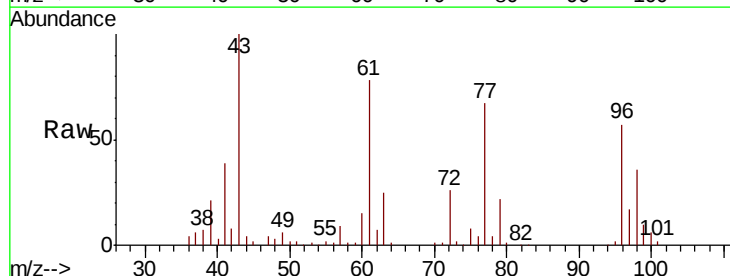
RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

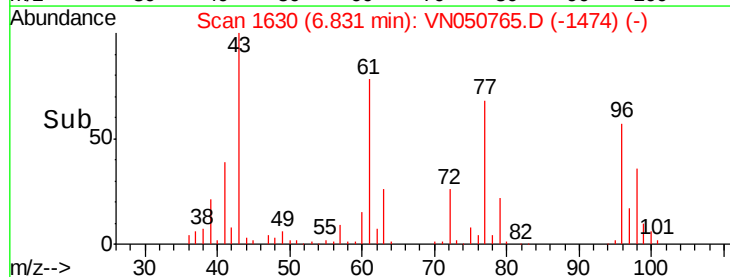
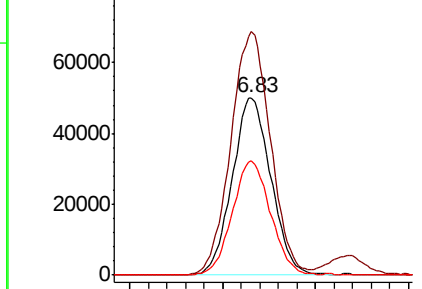
Tgt Ion	96	Resp	145268
Ion Ratio	Lower	Upper	
96	100		
61	140.4	114.2	171.2
98	63.7	51.7	77.5

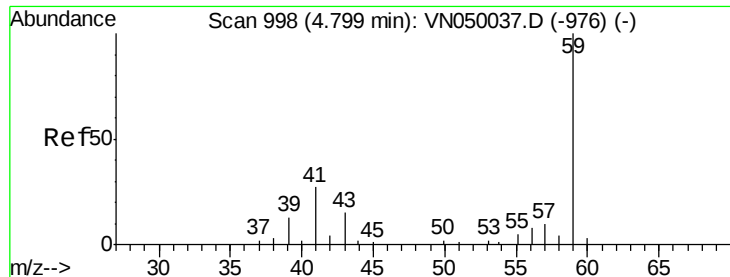


Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)





#23

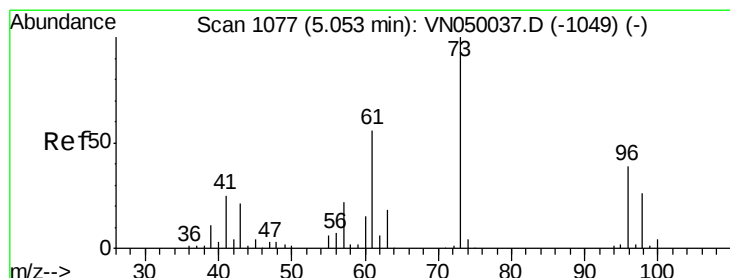
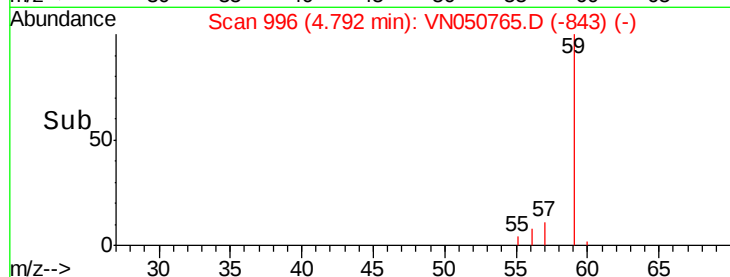
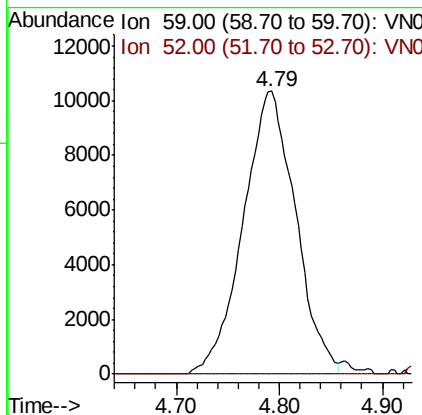
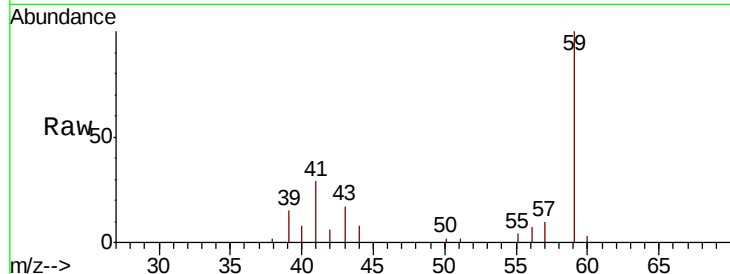
tert-Butyl Alcohol
 Concen: 68.75 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

Manual Integrations
 APPROVED

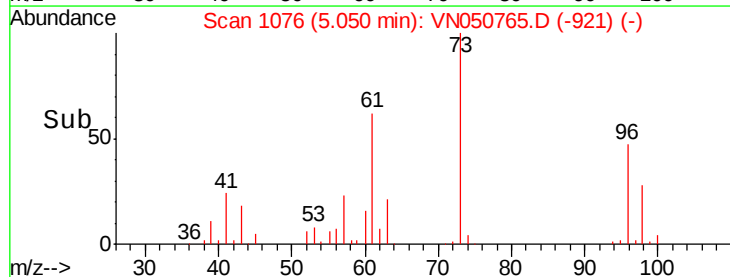
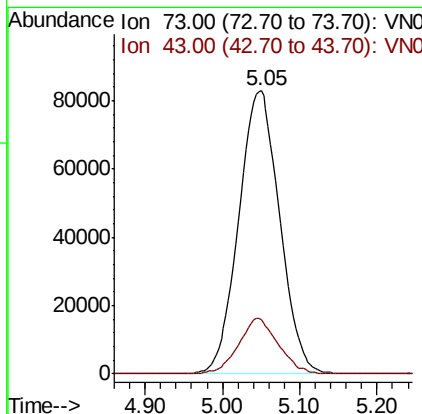
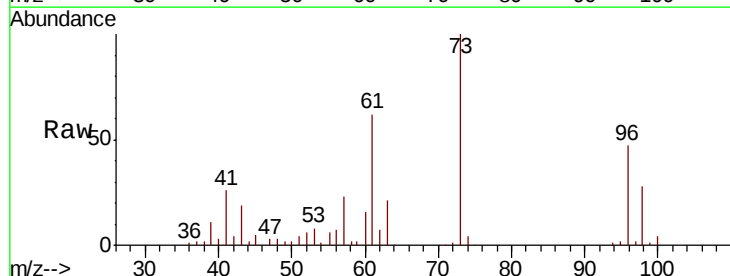
MMDadoda
 8/21/2018 2:12:59 PM

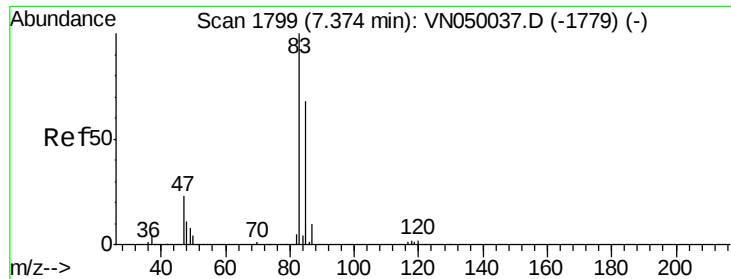


#24

Methyl tert-Butyl Ether
 Concen: 18.02 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.6	15.5	23.3





#25

Chloroform

Concen: 19.71 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

Tot Ion: 83 Resp: 252778

Ion Ratio Lower Upper

83 100

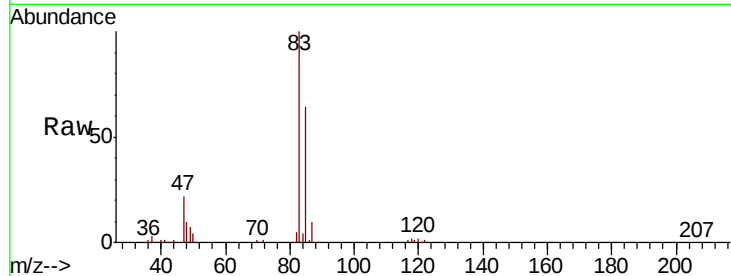
85 64.0 52.1 78.1

Manual Integrations

APPROVED

MMDadoda

8/21/2018 2:12:59 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

100000

80000

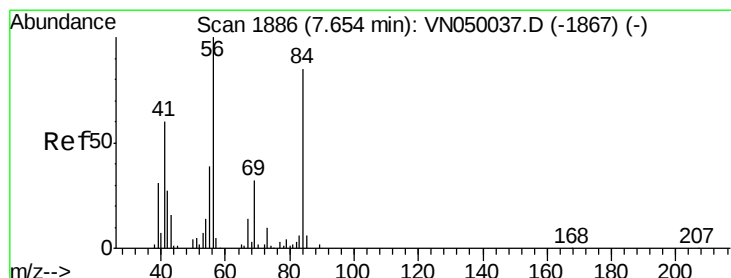
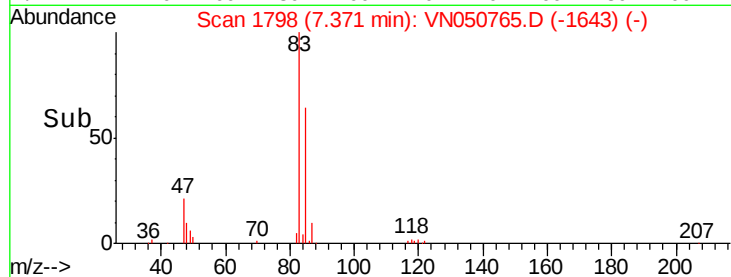
60000

40000

20000

0

Time--> 7.25 7.30 7.35 7.40 7.45



#26

Cyclohexane

Concen: 19.27 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

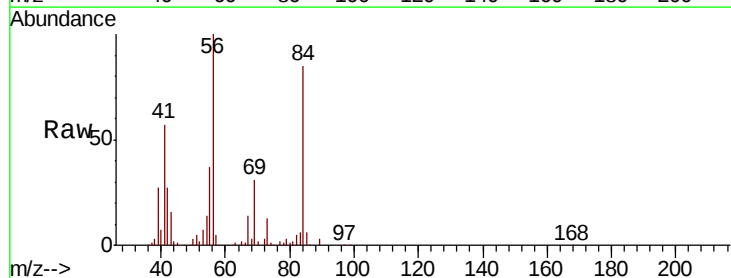
Tgt Ion: 56 Resp: 193986

Ion Ratio Lower Upper

56 100

89 3.8 3.0 4.4

84 86.7 69.8 104.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

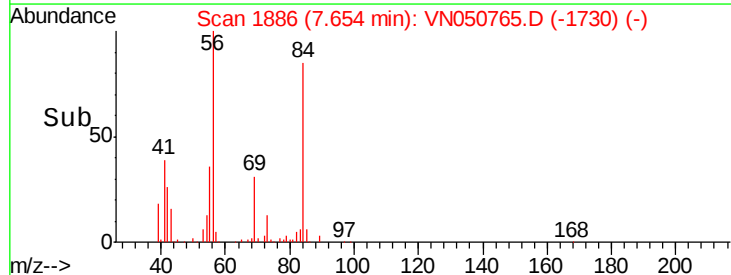
7.65

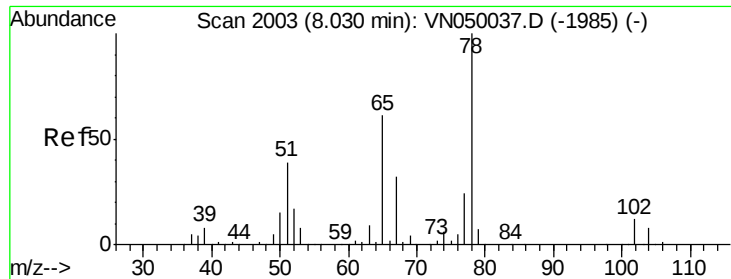
100000

50000

0

Time--> 7.55 7.60 7.65 7.70





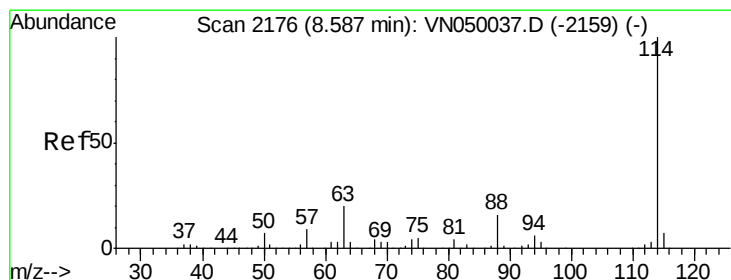
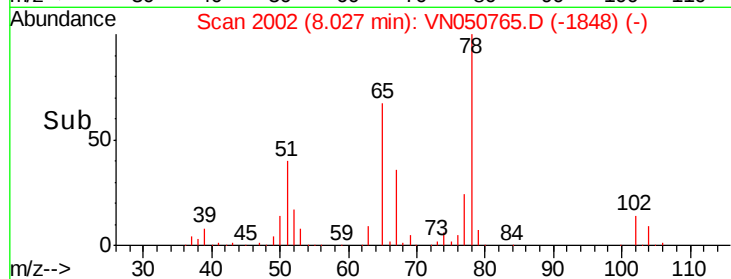
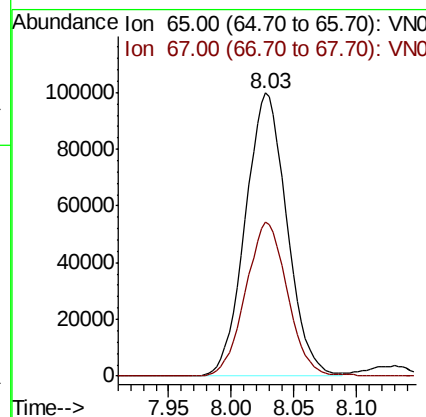
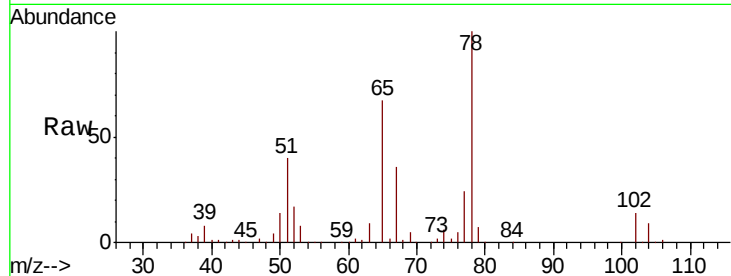
#27
 1,2-Dichloroethane-d4
 Concen: 29.04 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	42.7	64.1

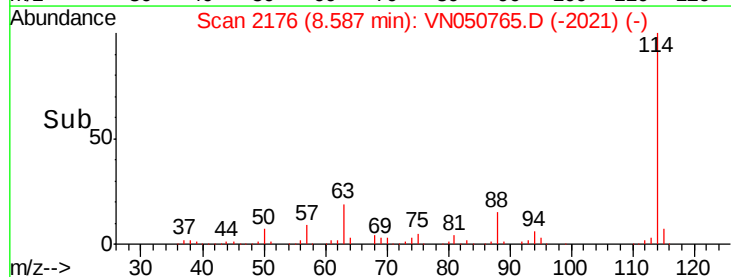
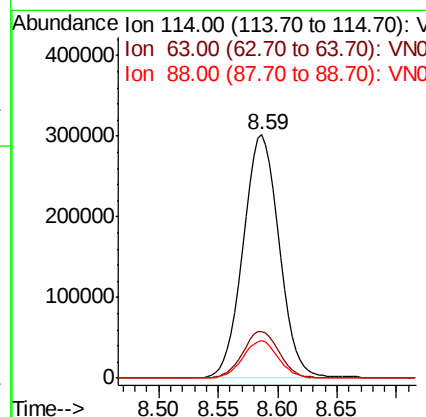
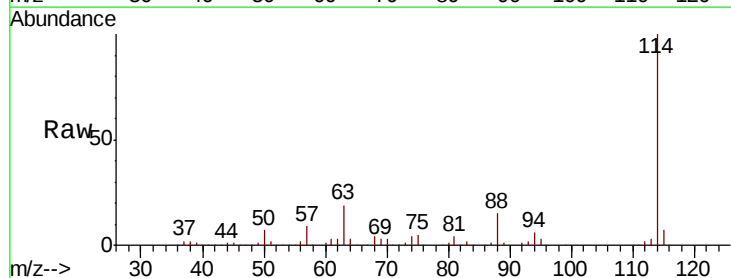
Manual Integrations
 APPROVED

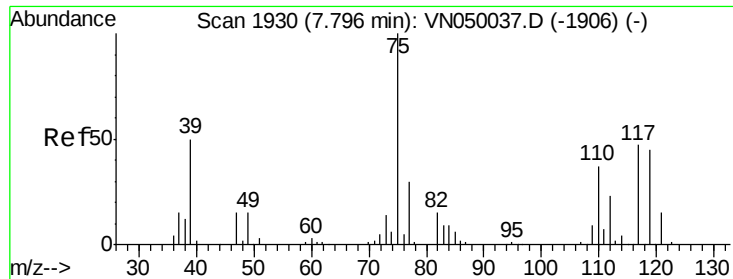
MMDadoda
 8/21/2018 2:12:59 PM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	16.2	24.2
88	15.3	12.3	18.5





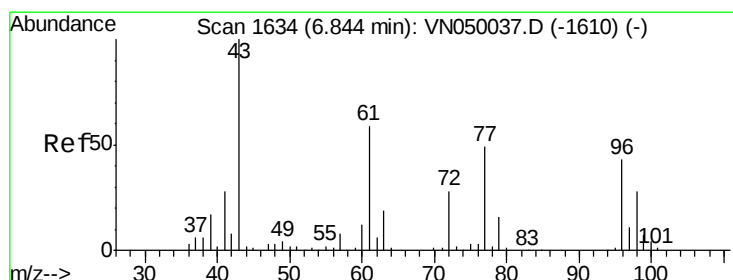
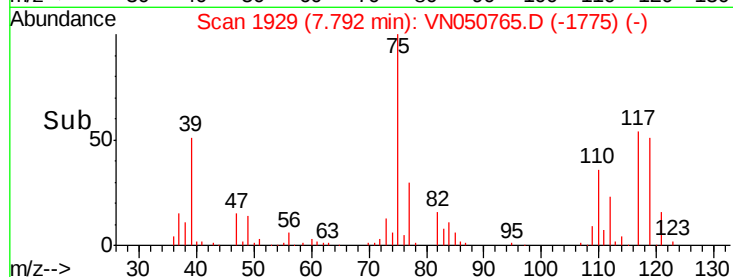
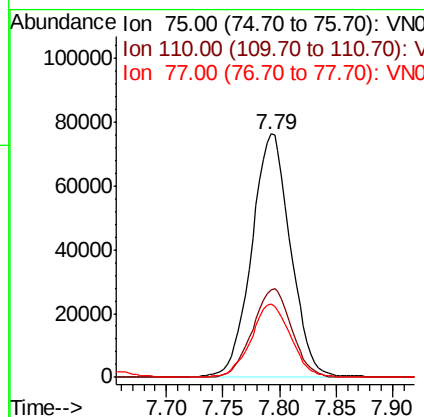
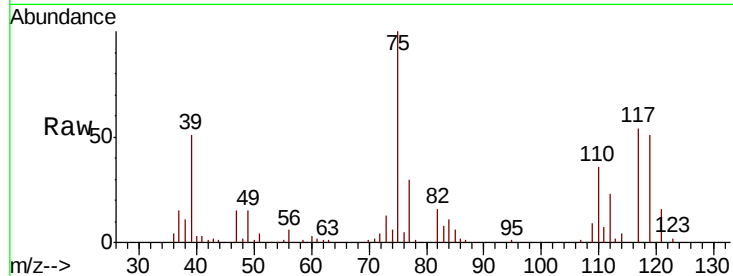
#29
 1,1-Dichloropropene
 Concen: 18.51 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.5	0.0	73.2
77	30.9	0.0	62.0

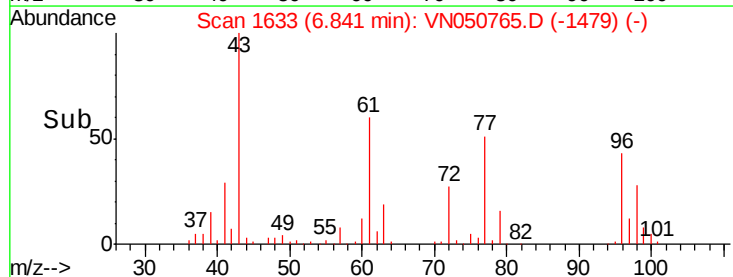
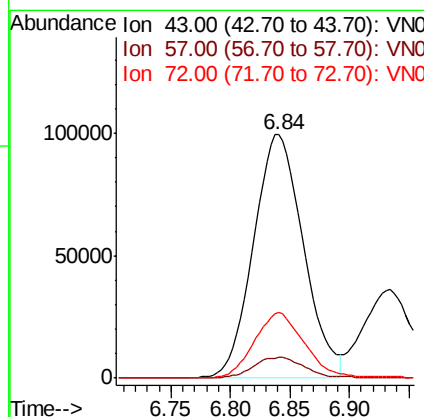
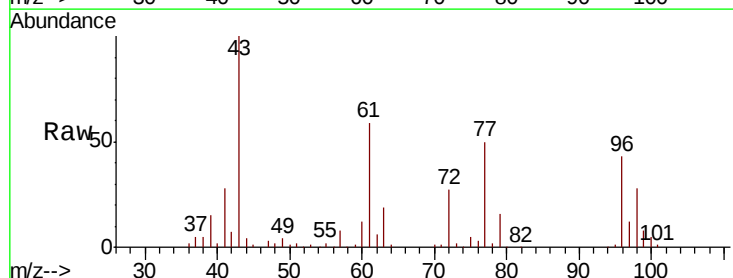
Manual Integrations
 APPROVED

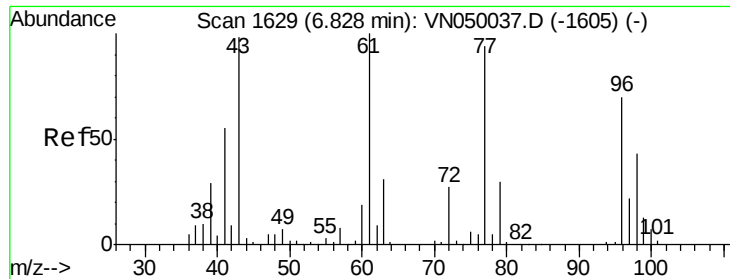
MMDadoda
 8/21/2018 2:12:59 PM



#30
 2-Butanone
 Concen: 93.67 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	0.0	6.8	10.2#
72	27.0	21.4	32.0





#31

2,2-Dichloropropane

Concen: 18.41 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

Tot Ion: 77 Resp: 200472

Ion Ratio Lower Upper

77 100

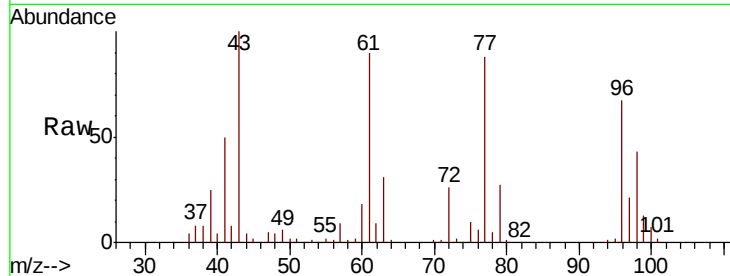
97 23.2 18.9 28.3

Manual Integrations

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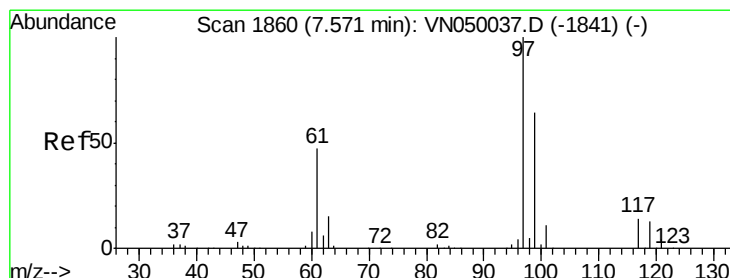
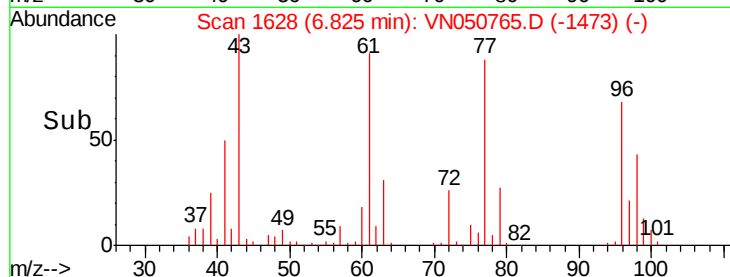
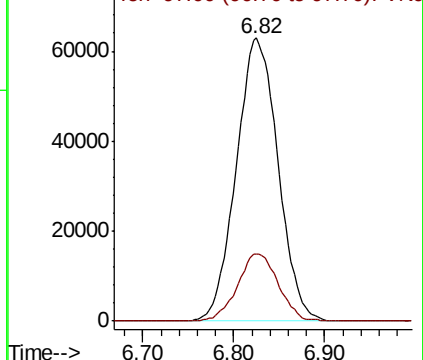
MMDadoda

8/21/2018 2:12:59 PM



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.97 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

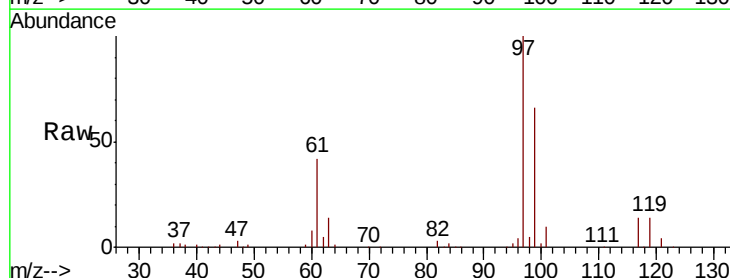
Tgt Ion: 97 Resp: 208355

Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

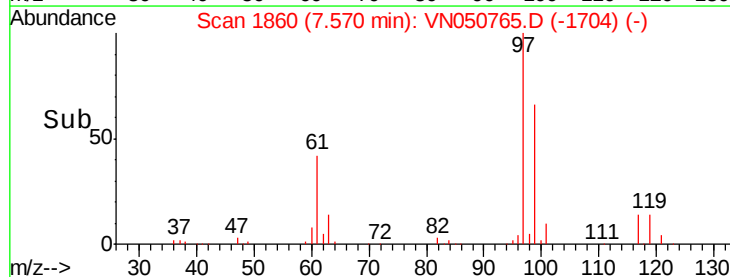
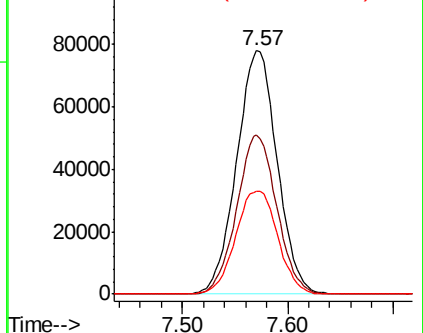
61 44.0 35.3 52.9

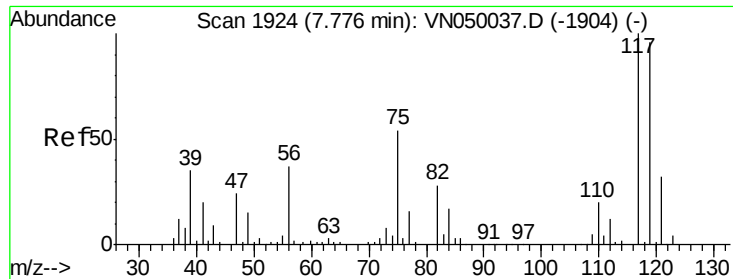


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





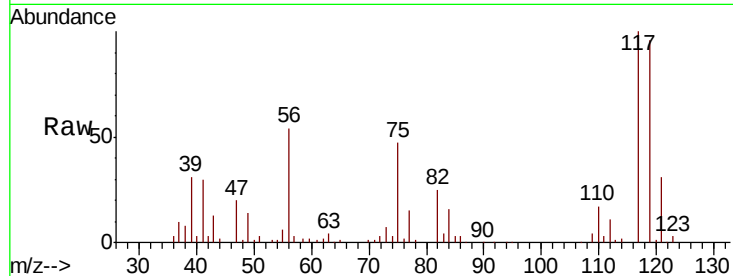
#33
Carbon Tetrachloride
Concen: 18.06 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		186686		
119	95.9	76.9	115.3		
121	31.1	24.4	36.6		

Manual Integrations
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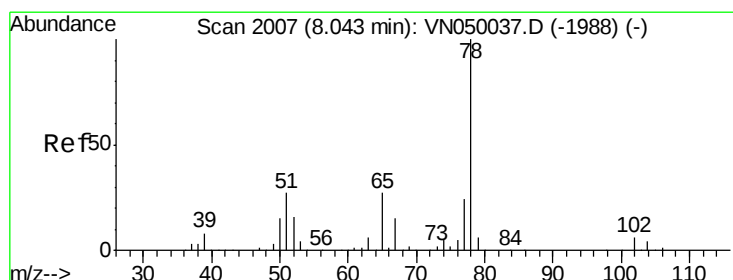
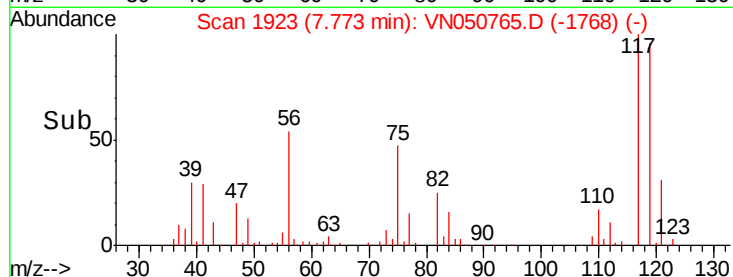
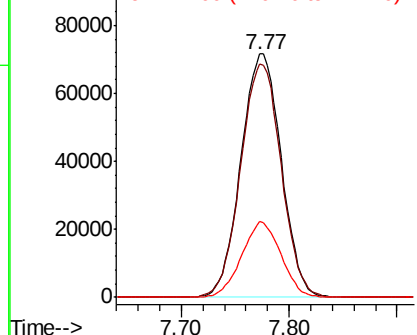


Abundance

Ion 117.00 (116.70 to 117.70): V

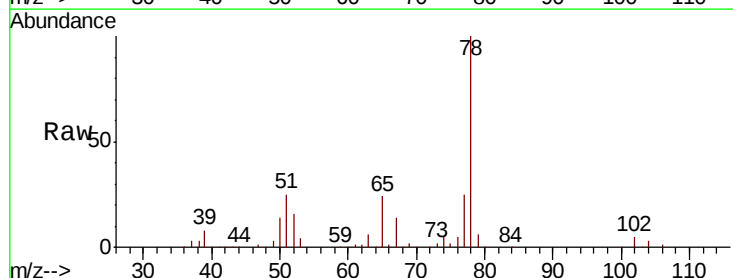
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 18.77 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
78	100		561637		
77	24.6	19.1	28.7		
51	24.7	21.0	31.4		

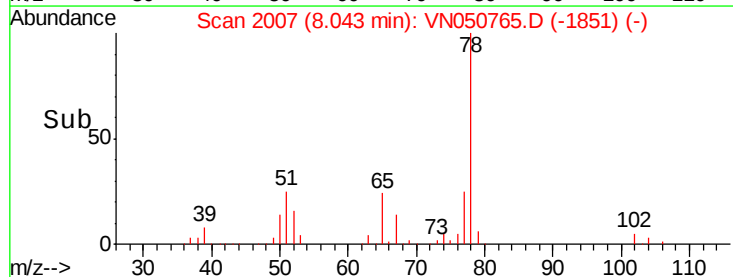
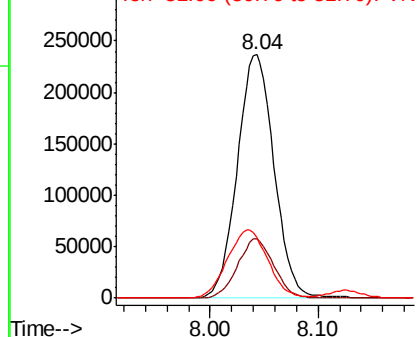


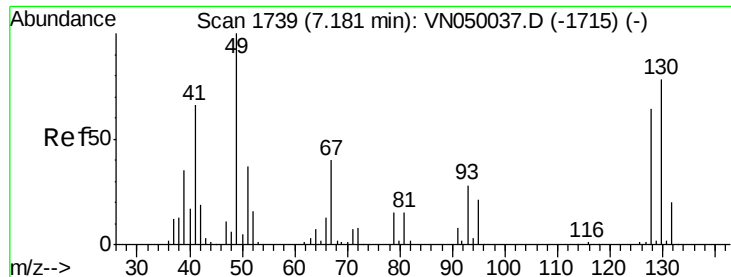
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





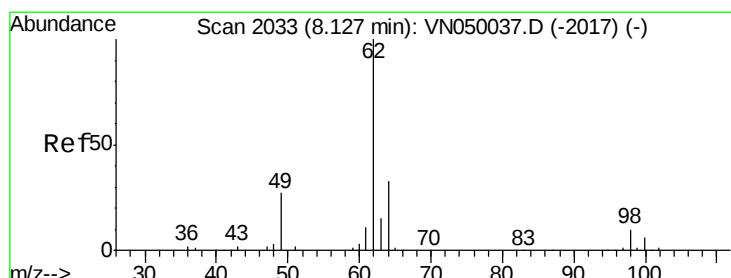
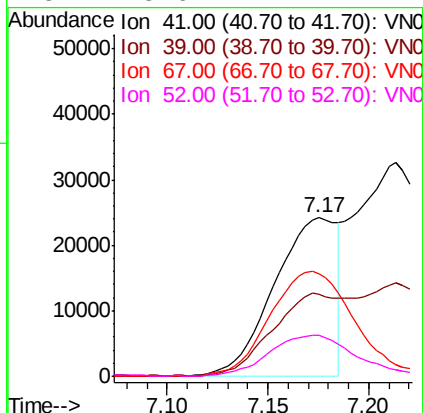
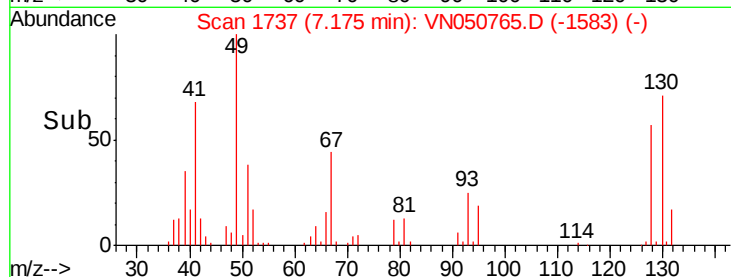
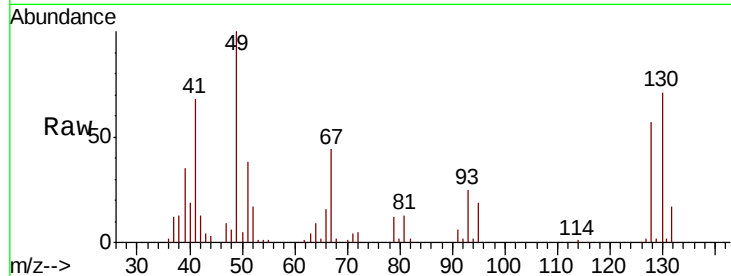
#35
Methacrylonitrile
Concen: 14.88 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	27.6	82.7	
67	64.9	35.1	105.5	
52	25.6	14.1	42.4	

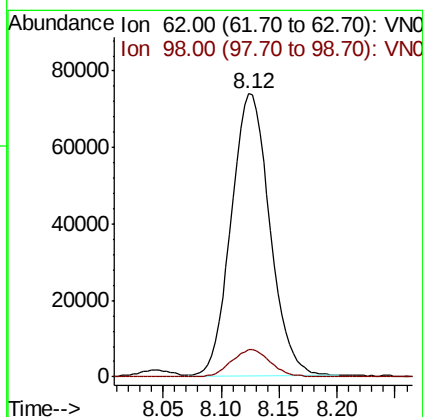
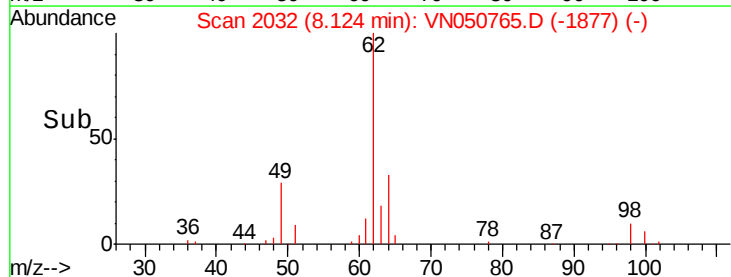
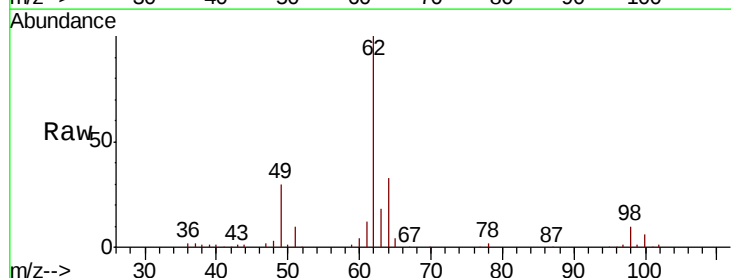
Manual Integrations
APPROVED

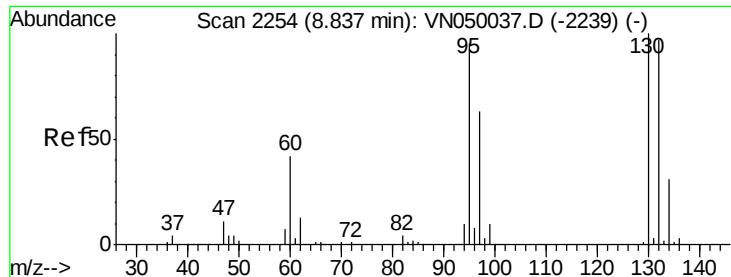
MMDadoda
8/21/2018 2:12:59 PM



#36
1,2-Dichloroethane
Concen: 17.33 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.8	7.8	11.6	





#37

Trichloroethene

Concen: 18.62 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

Tot Ion:130 Resp: 146118

Ion Ratio Lower Upper

130 100

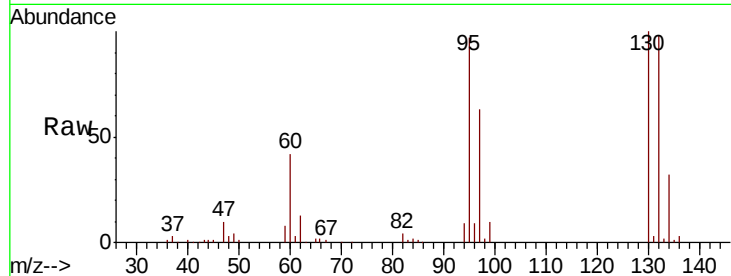
95 96.7 79.7 119.5

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

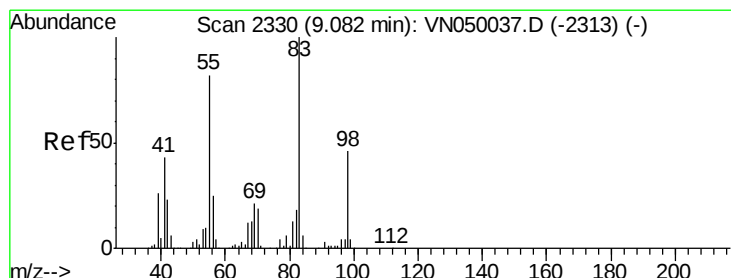
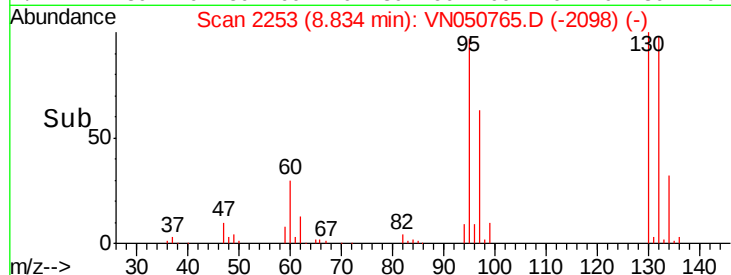
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.07 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

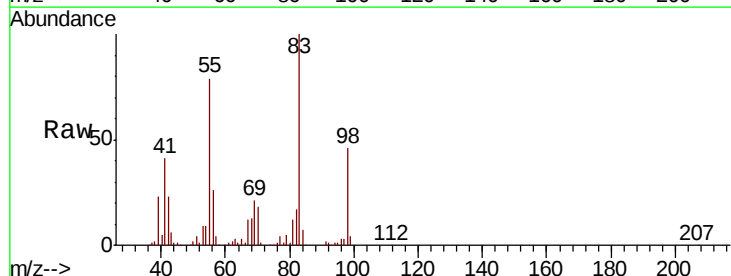
Tgt Ion: 83 Resp: 187659

Ion Ratio Lower Upper

83 100

55 78.3 39.3 117.8

98 46.6 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

120000

100000

80000

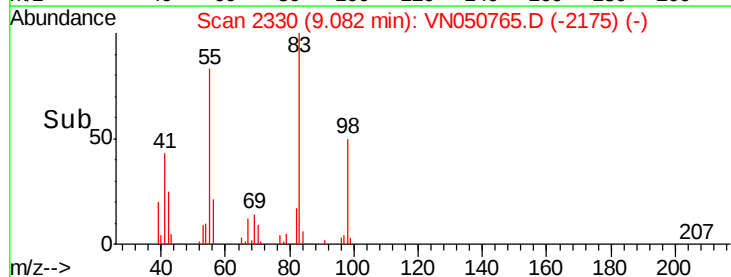
60000

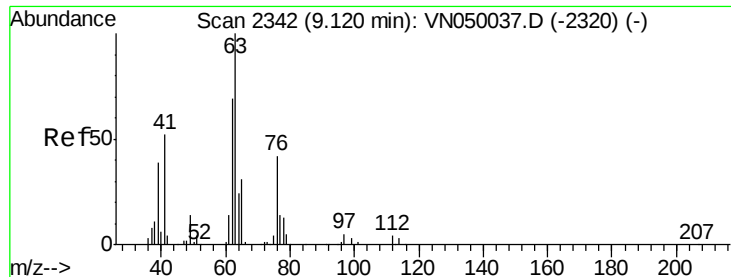
40000

20000

0

Time-->





#39

1,2-Dichloropropane

Concen: 19.15 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

Tot Ion: 63 Resp: 150938

Ion Ratio Lower Upper

63 100

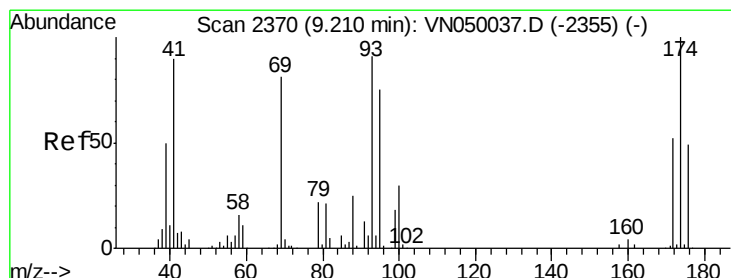
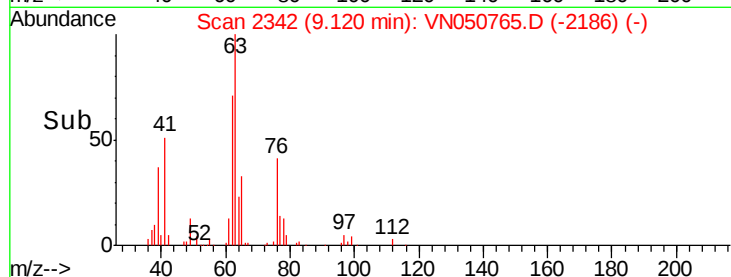
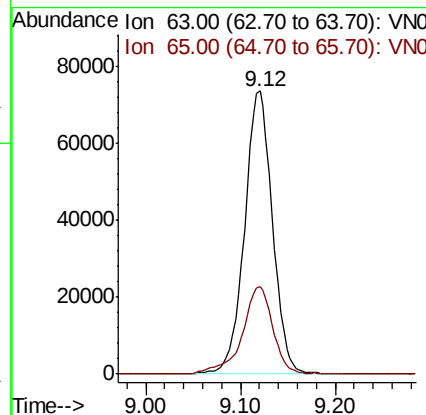
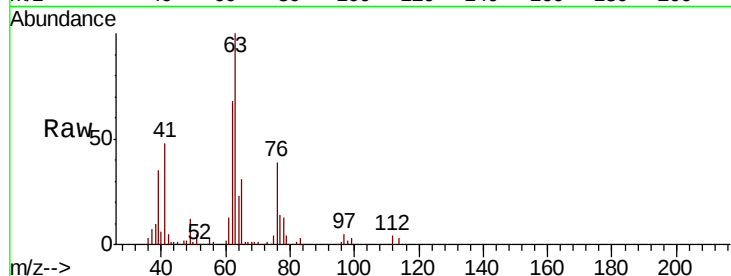
65 31.1 24.2 36.2

Manual Integrations

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#40

Dibromomethane

Concen: 17.67 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

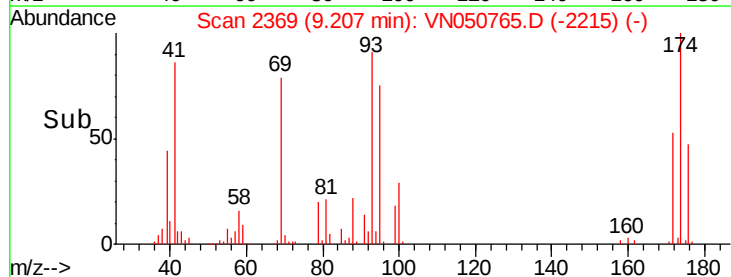
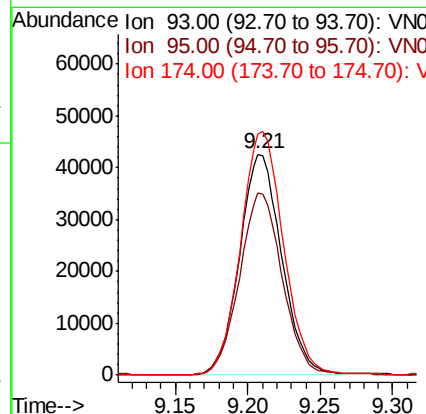
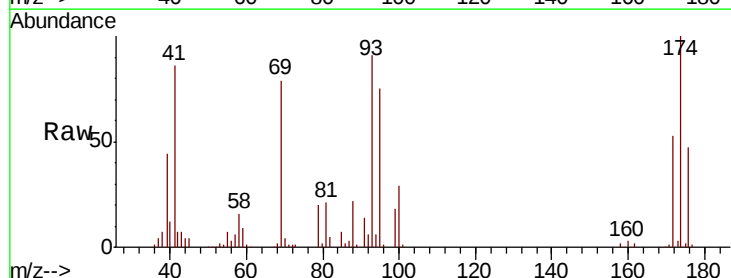
Tgt Ion: 93 Resp: 86070

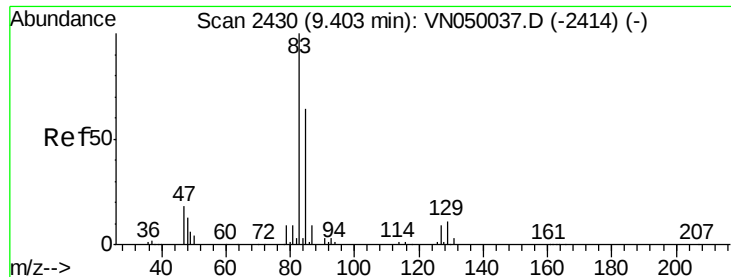
Ion Ratio Lower Upper

93 100

95 83.9 0.0 165.6

174 112.2 0.0 223.2





#41

Bromodichloromethane

Concen: 18.16 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

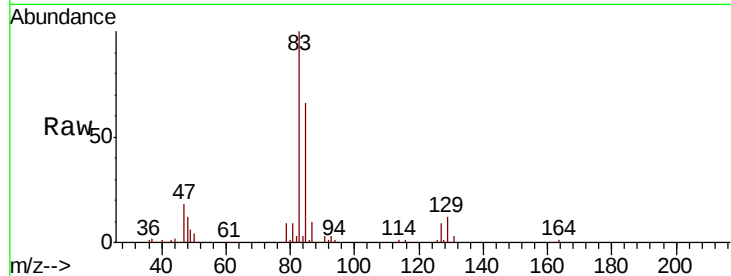
ClientSampleId :

VN0820WBS01

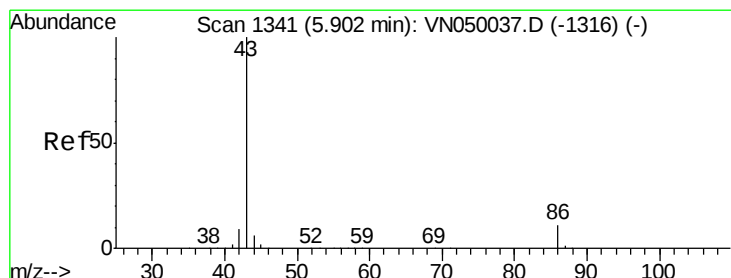
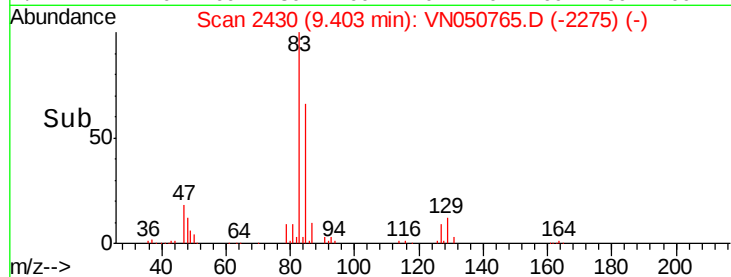
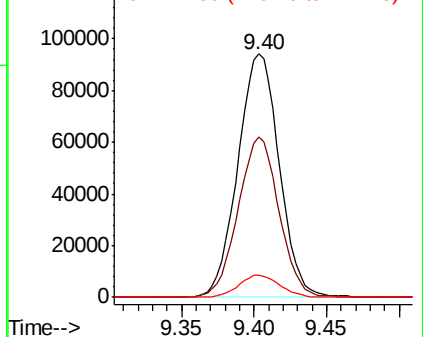
Tot Ion:	83	Resp:	186644
Ion Ratio	Lower	Upper	
83	100		
85	65.9	52.6	78.8
127	9.2	7.0	10.4

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 84.98 ug/l

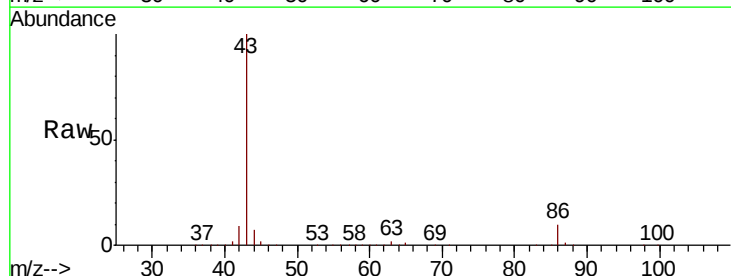
RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

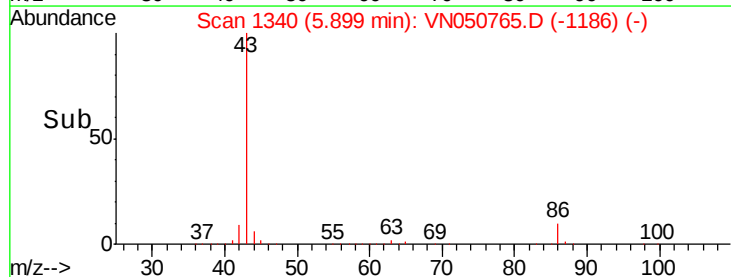
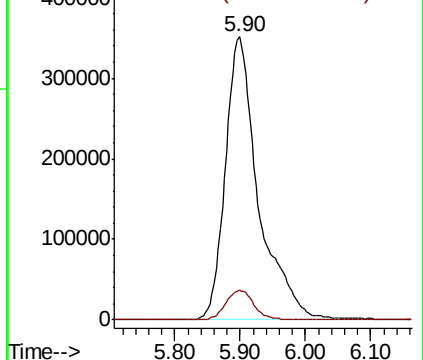
Lab File: VN050765.D

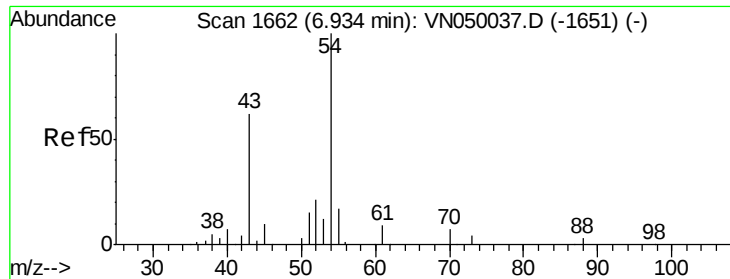
Acq: 20 Aug 2018 11:19

Tgt Ion:	43	Resp:	1236440
Ion Ratio	Lower	Upper	
43	100		
86	8.9	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





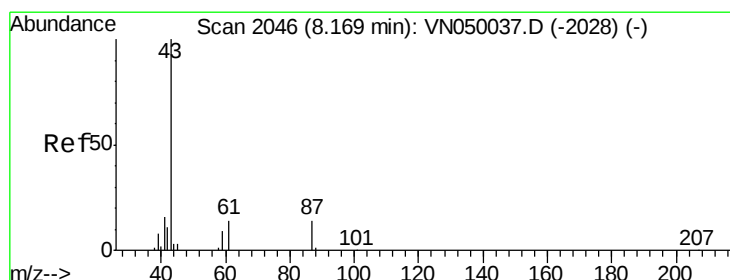
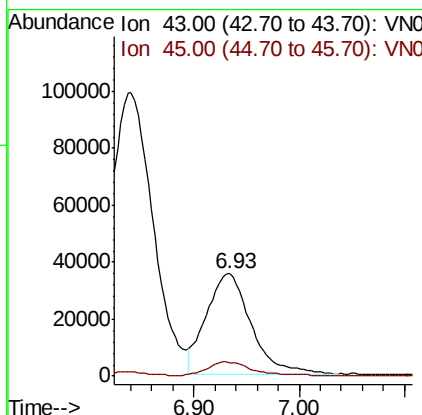
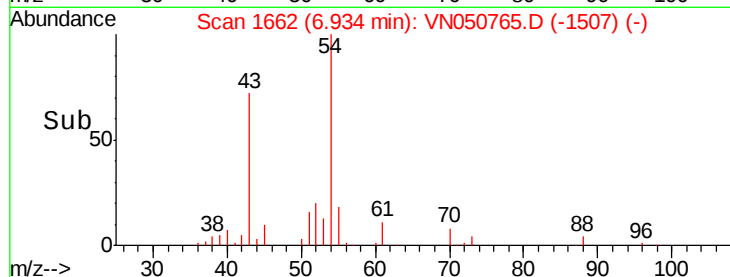
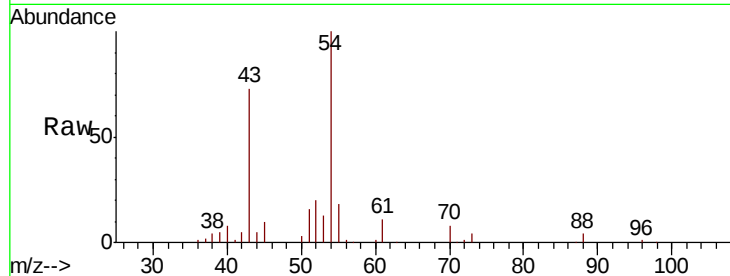
#43
Ethyl Acetate
Concen: 16.22 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion: 43 Resp: 104745
Ion Ratio Lower Upper
43 100
45 11.9 13.0 19.6#

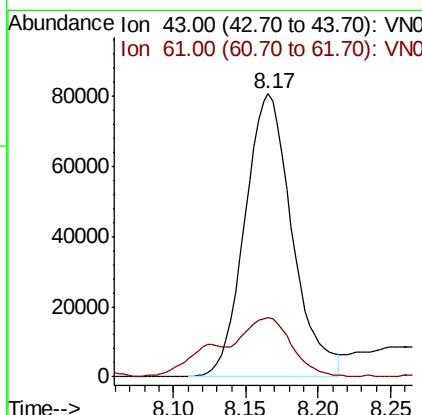
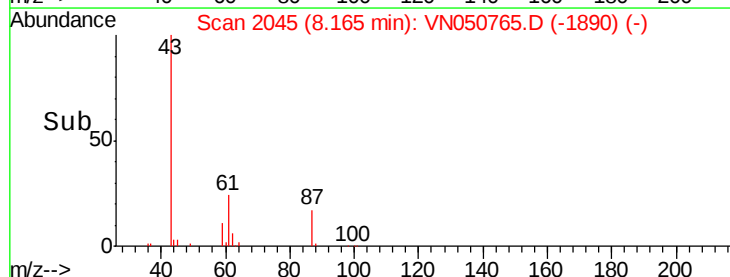
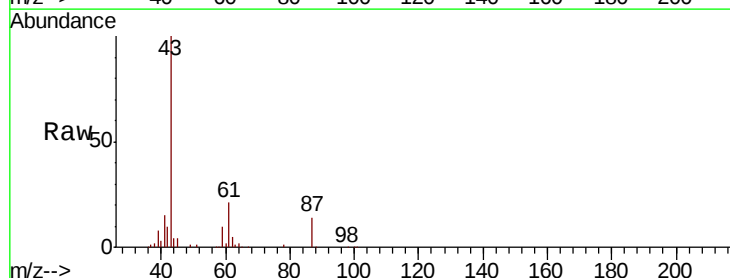
Manual Integrations
APPROVED

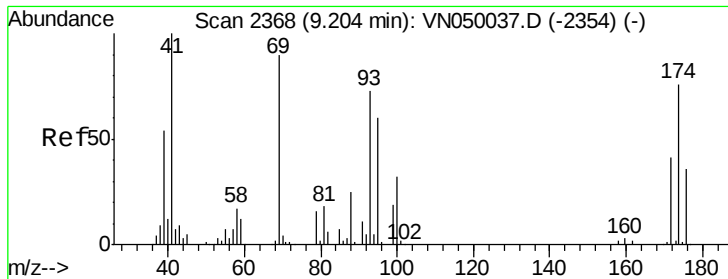
MMDadoda
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#44
Isopropyl Acetate
Concen: 15.22 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion: 43 Resp: 182075
Ion Ratio Lower Upper
43 100
61 21.9 16.4 24.6





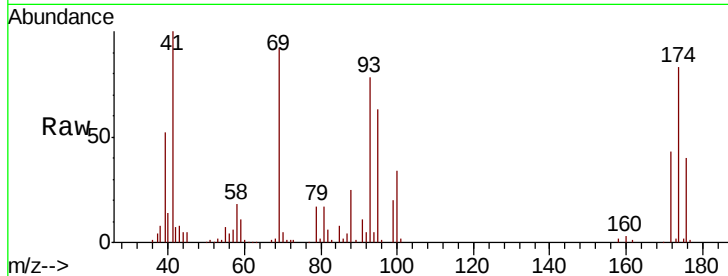
#45
 1,4-Dioxane
 Concen: 305.29 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.4	26.9	40.3#
58	69.6	53.6	80.4

Manual Integrations
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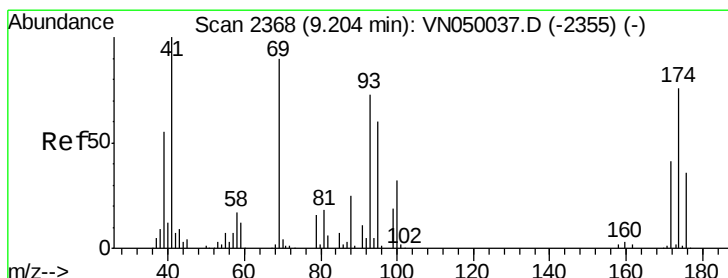
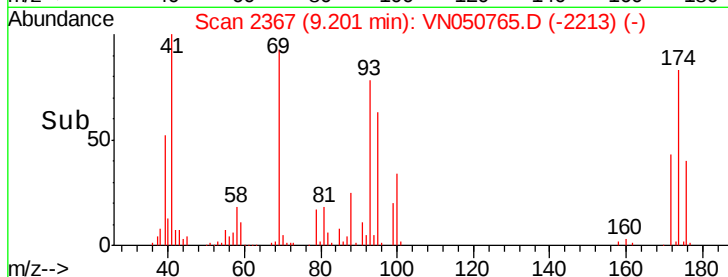
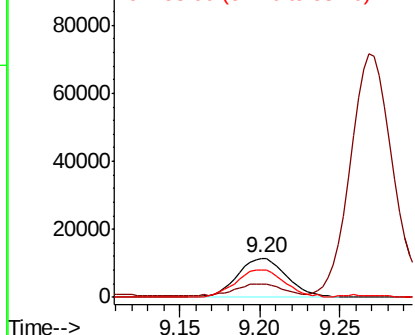


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 14.96 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

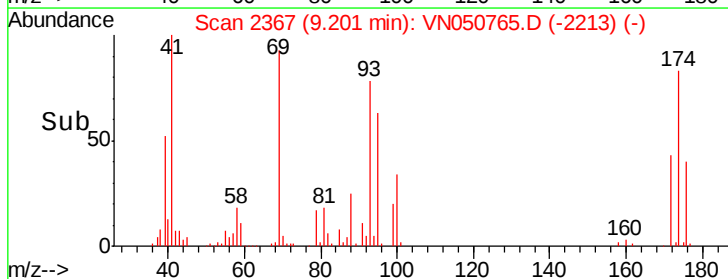
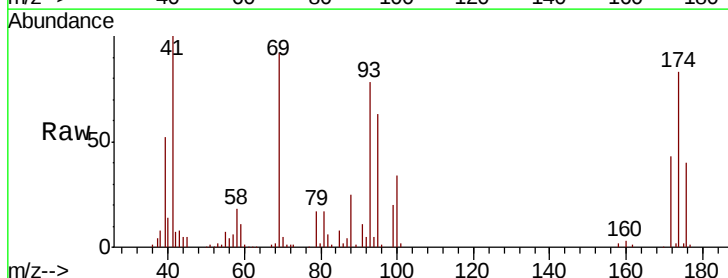
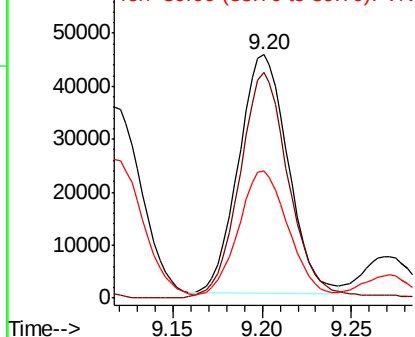
Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.3	44.0	132.1
39	51.9	27.0	80.8

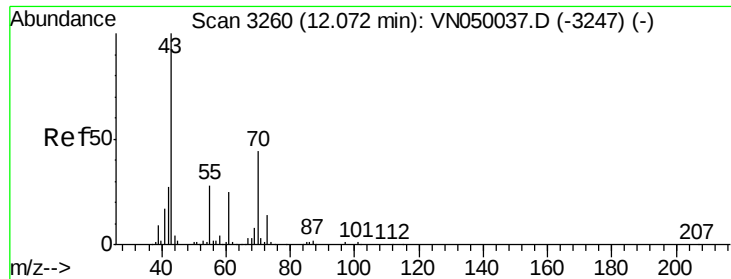
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





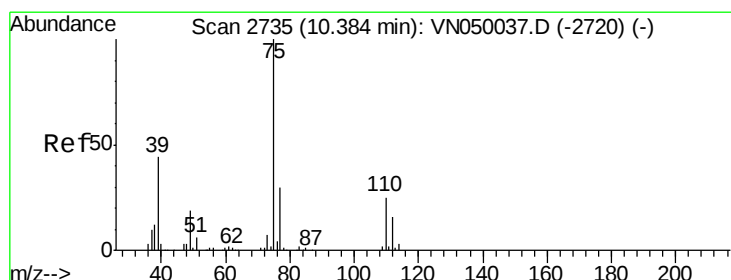
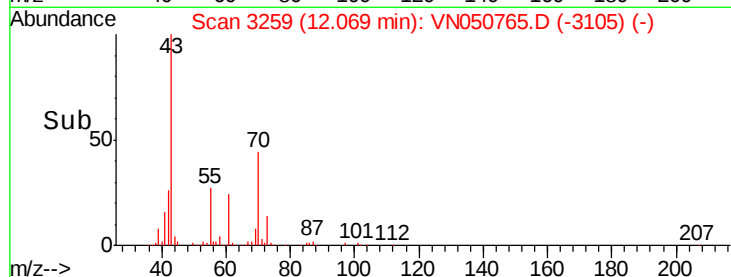
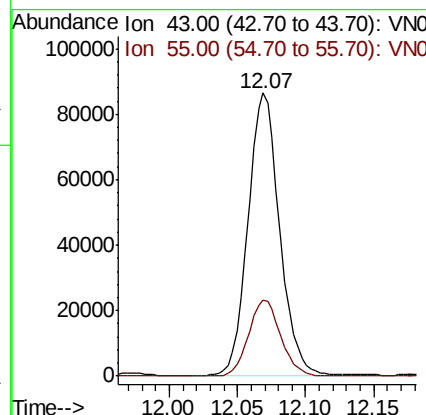
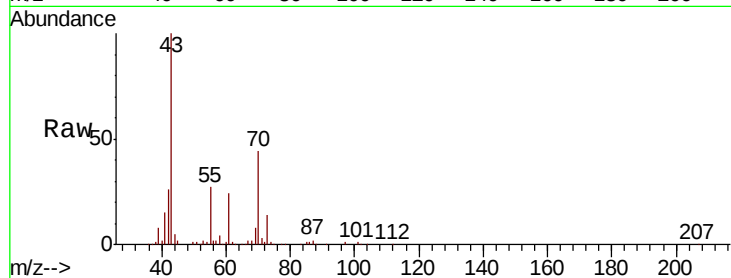
#47
n-amyl Acetate
Concen: 14.89 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS01

Tot Ion	43	Resp	138593
Ion Ratio	43	100	
Lower	55	27.3	21.0
Upper			31.4

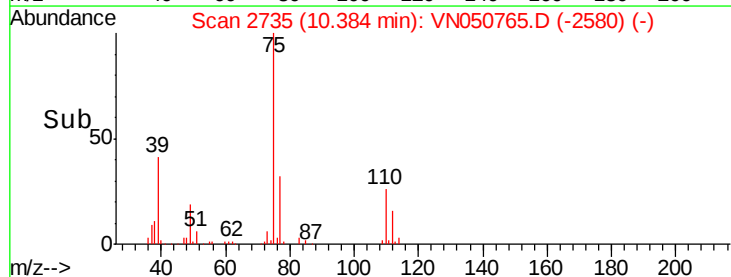
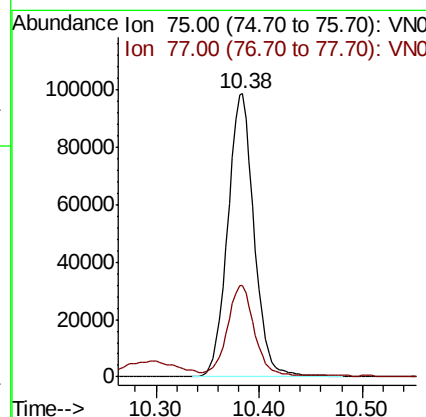
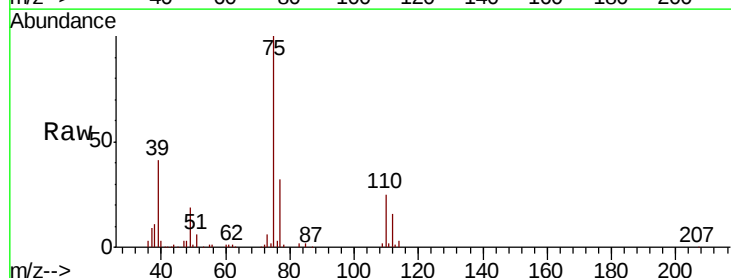
Manual Integrations
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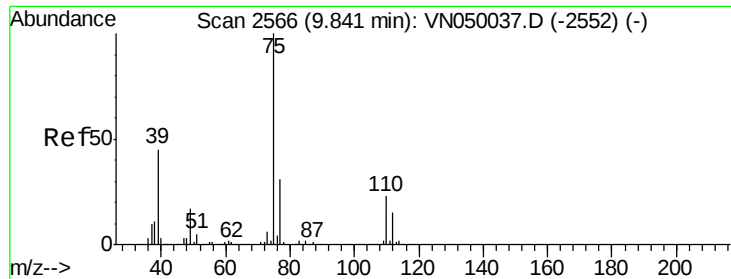
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 17.95 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	75	Resp	175828
Ion Ratio	75	100	
Lower	77	31.9	24.6
Upper			37.0





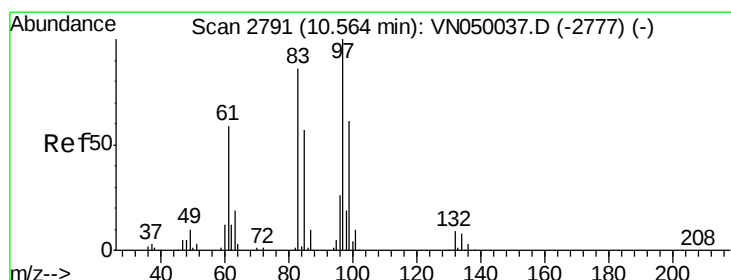
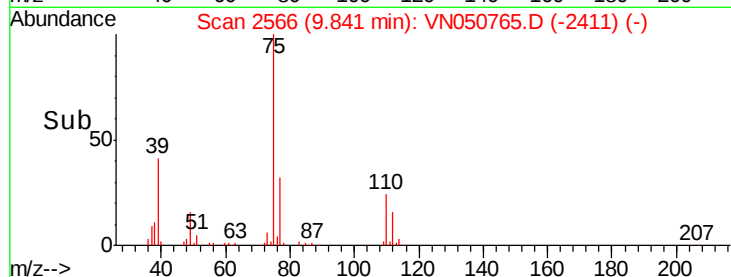
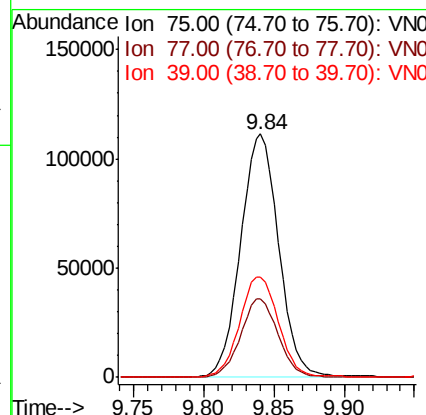
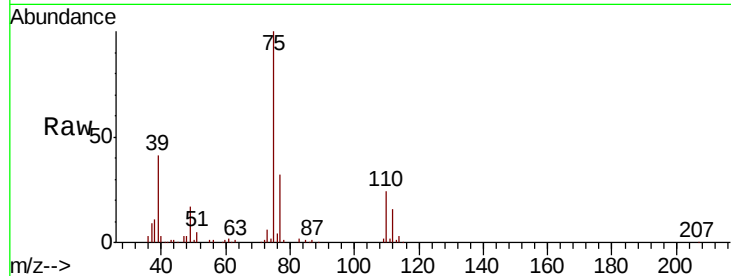
#49
 cis-1,3-Dichloropropene
 Concen: 18.34 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0820WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.7	38.5
39	41.1	36.3	54.5

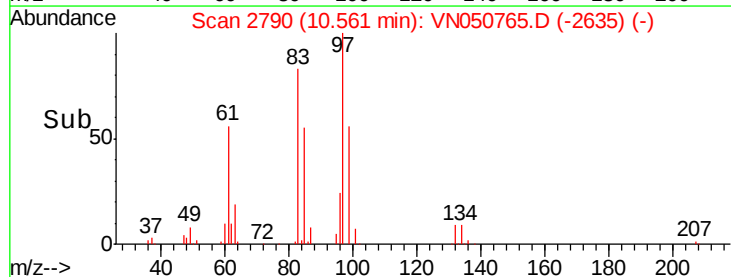
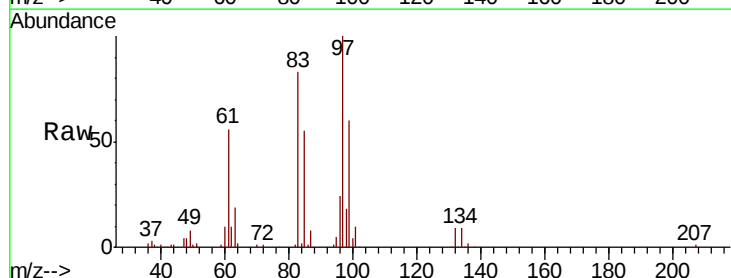
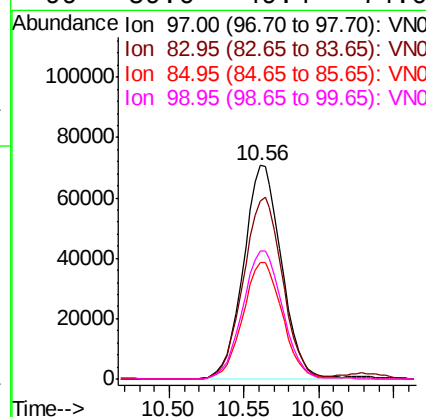
Manual Integrations
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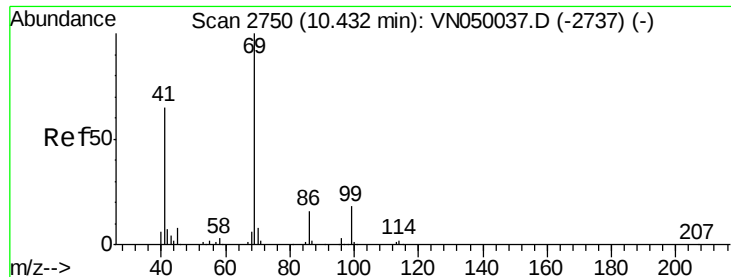
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#50
 1,1,2-Trichloroethane
 Concen: 17.93 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.4	68.1	102.1
85	54.7	45.4	68.2
99	59.6	49.4	74.0





#51

Ethyl methacrylate

Concen: 15.91 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

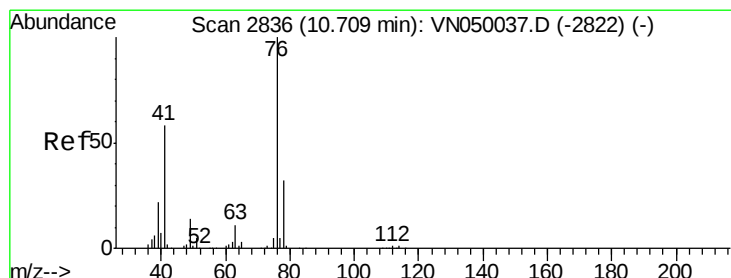
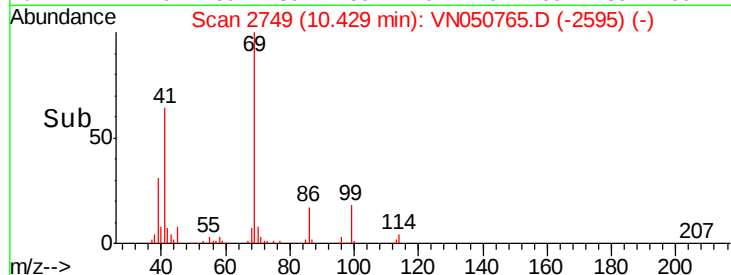
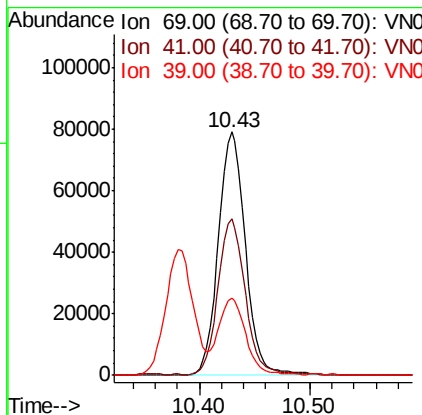
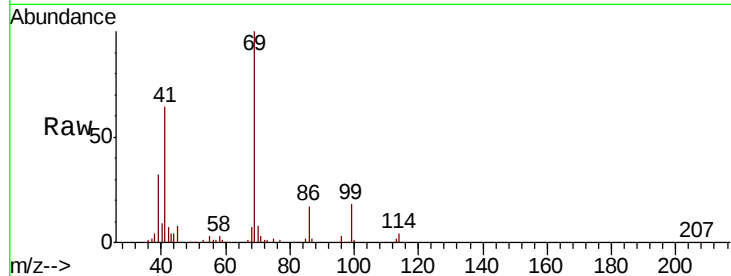
ClientSampled :

VN0820WBS01

Tot Ion:	69	Resp:	135011
Ion	Ratio	Lower	Upper
69	100		
41	63.7	31.9	95.9
39	31.3	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 17.91 ug/l

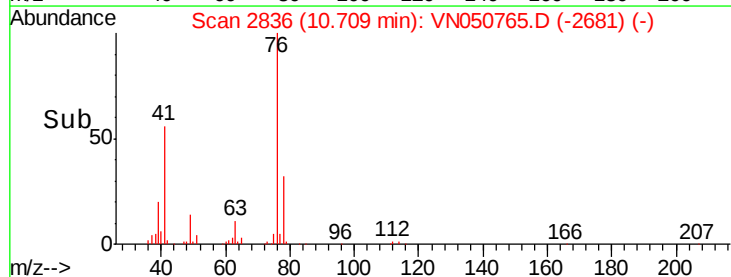
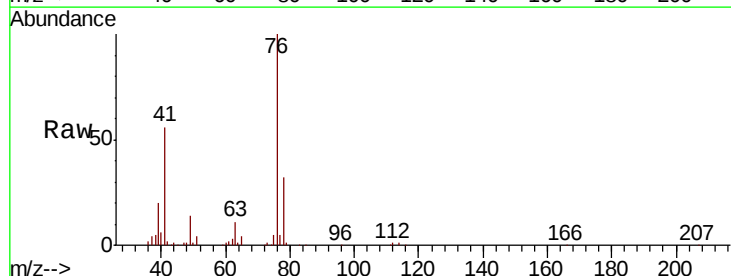
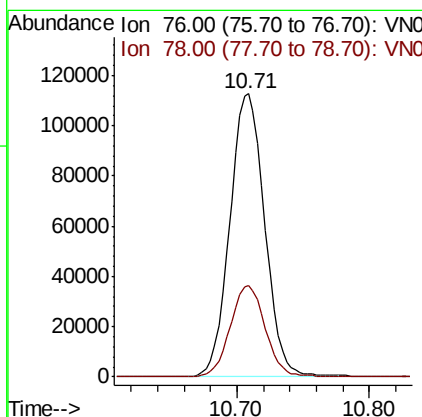
RT: 10.71 min Scan# 2836

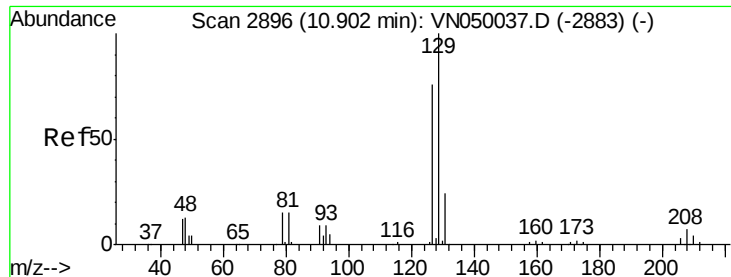
Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Tgt Ion:	76	Resp:	205693
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	65.6





#53

Dibromochloromethane

Concen: 17.65 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

Tot Ion:129 Resp: 140053

Ion Ratio Lower Upper

129 100

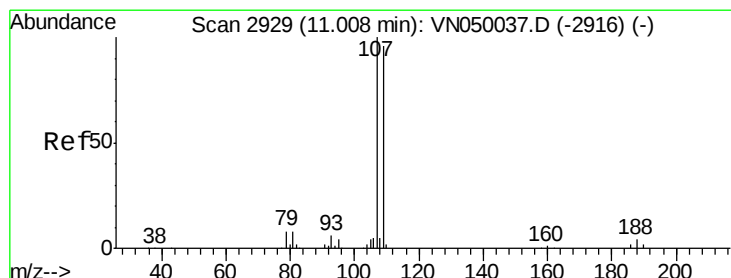
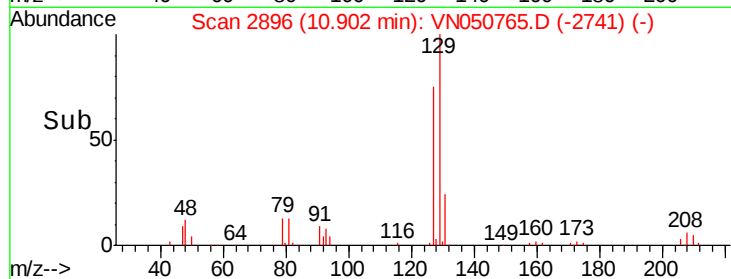
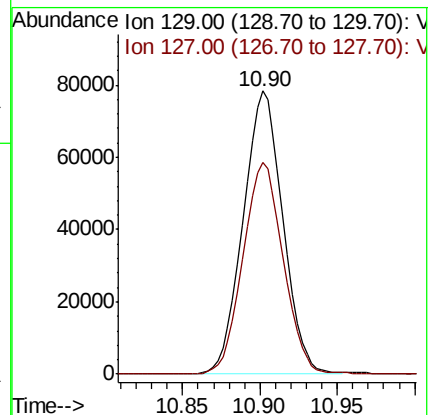
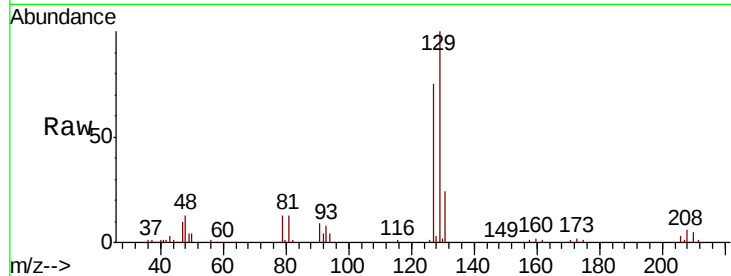
127 75.8 38.1 114.5

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 17.45 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050765.D

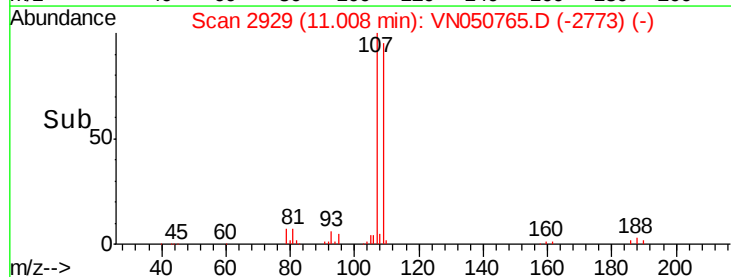
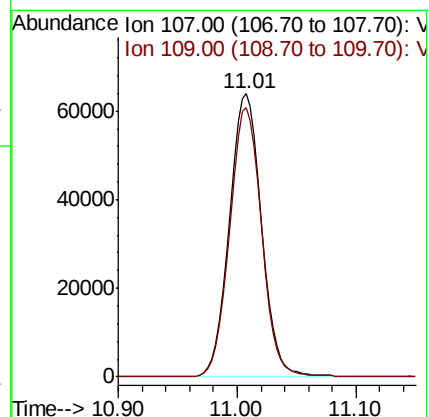
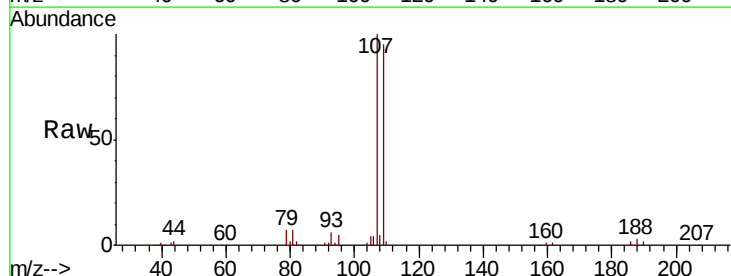
Acq: 20 Aug 2018 11:19

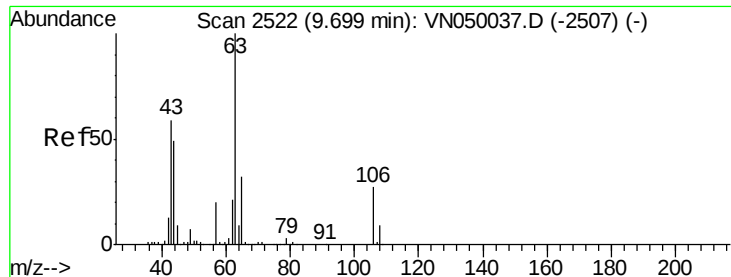
Tgt Ion:107 Resp: 119525

Ion Ratio Lower Upper

107 100

109 94.2 76.2 114.2





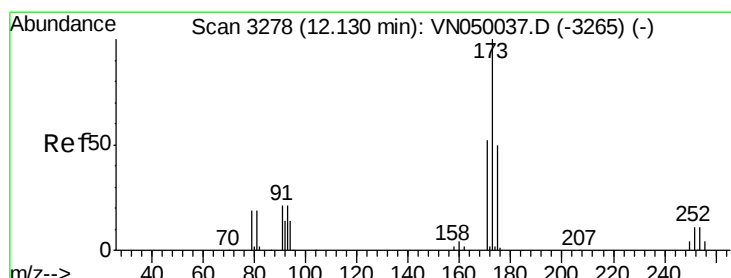
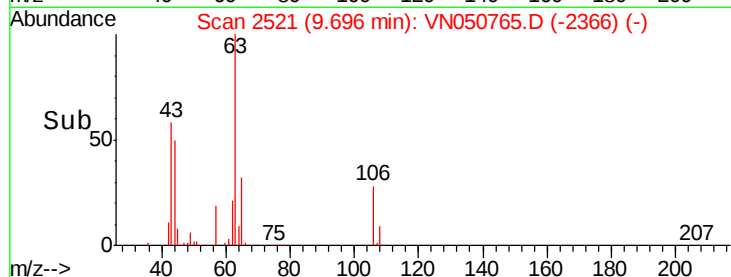
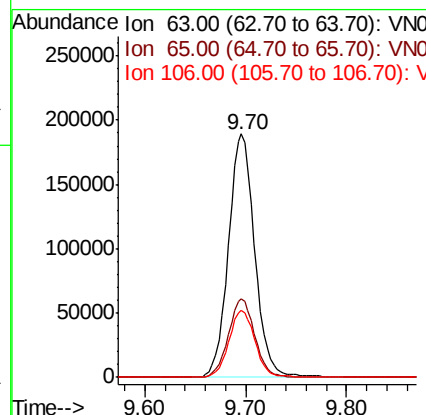
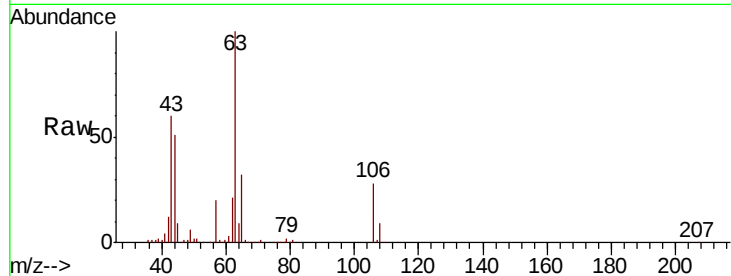
#55
 2-Chloroethyl vinyl ether
 Concen: 89.46 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion:	63	Resp:	343637
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.5	38.3
106	27.6	21.8	32.6

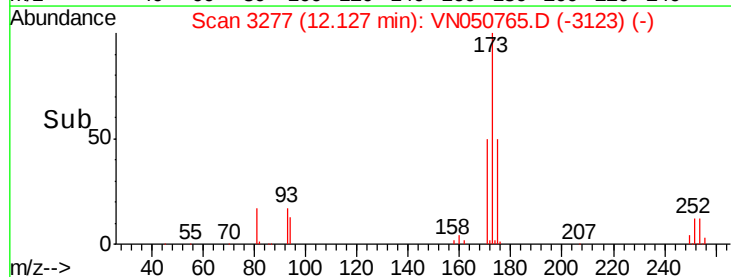
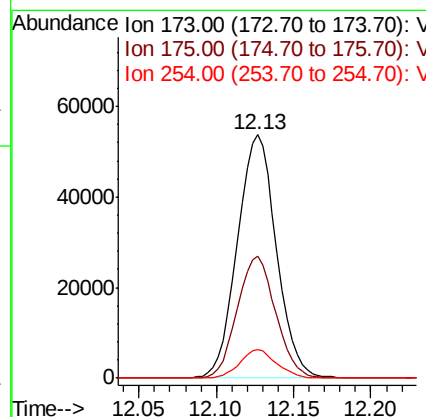
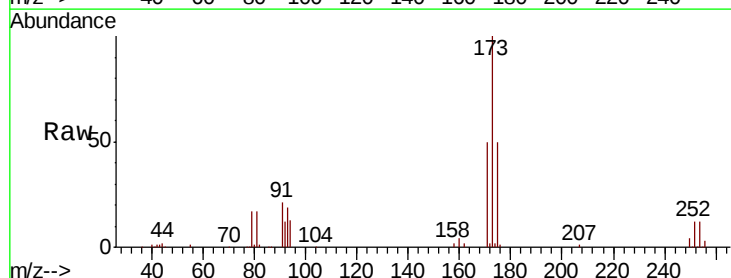
Manual Integrations
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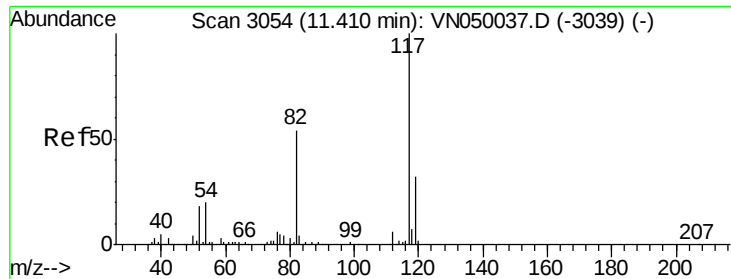
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#56
 Bromoform
 Concen: 16.77 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion:	173	Resp:	93956
Ion	Ratio	Lower	Upper
173	100		
175	49.3	38.6	57.8
254	11.0	8.8	13.2





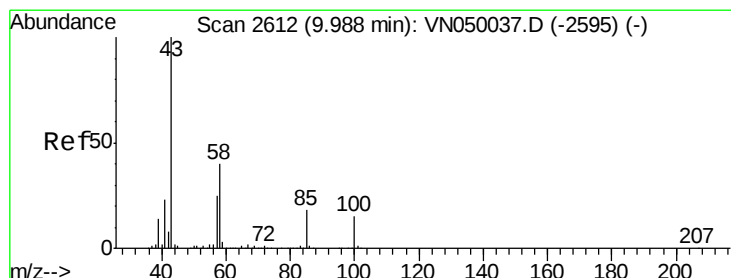
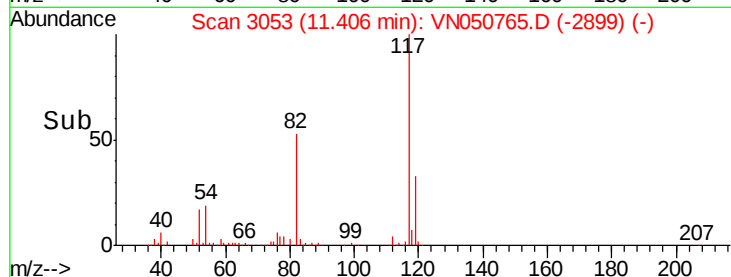
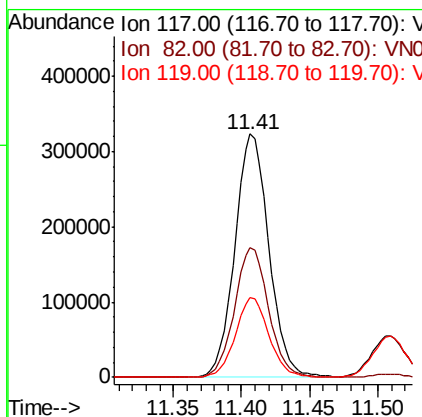
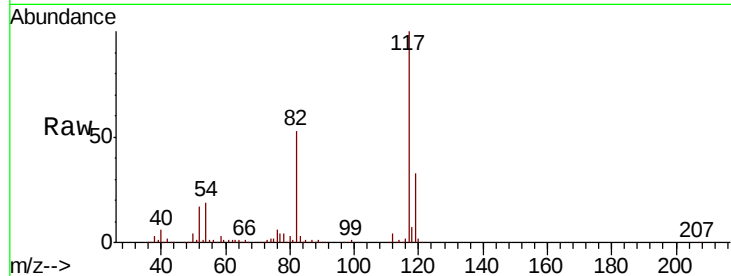
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	53.3	42.4	63.6
119	32.4	25.4	38.0

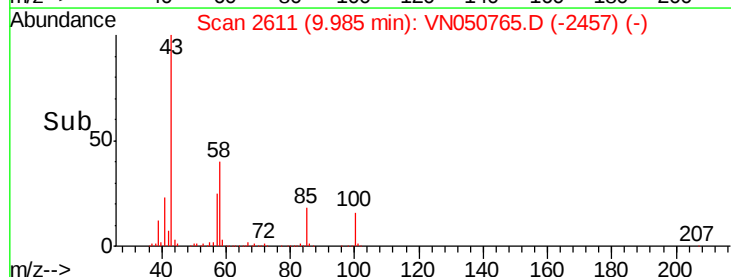
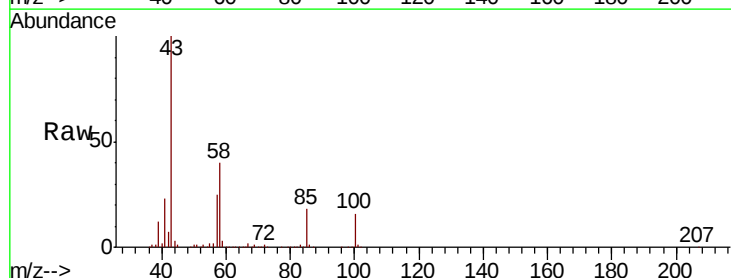
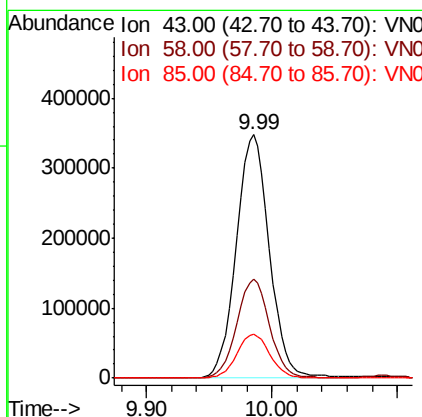
Manual Integrations
APPROVED

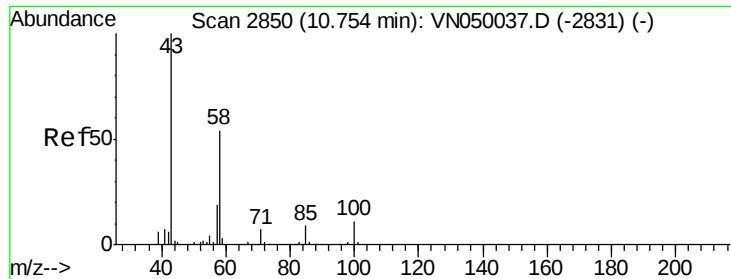
MMDadoda
8/21/2018 2:12:59 PM



#58
4-Methyl-2-Pentanone
Concen: 97.48 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	40.4	31.2	46.8
85	18.0	14.4	21.6





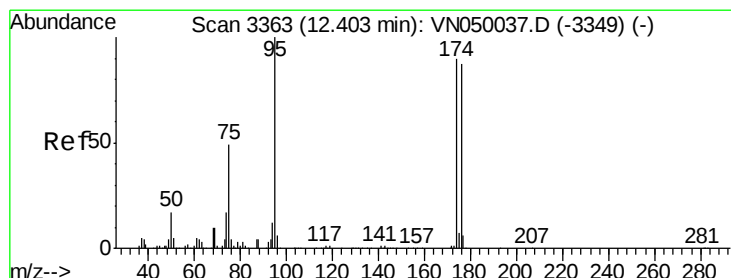
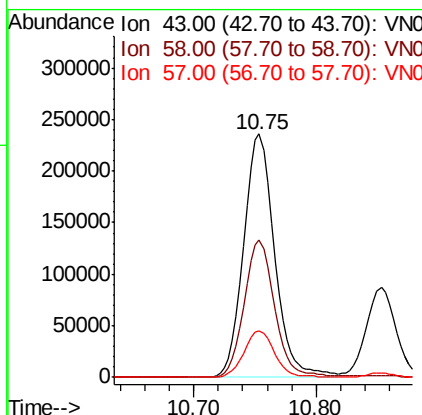
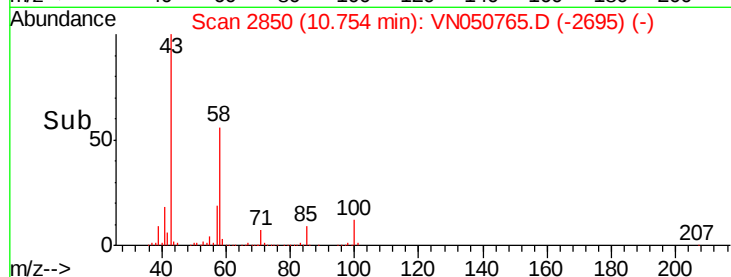
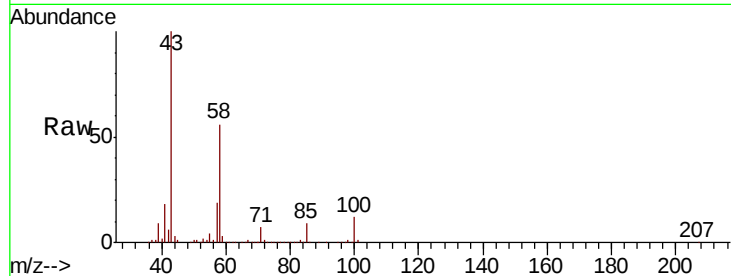
#59
2-Hexanone
Concen: 92.22 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	43.8	65.8
57	19.1	15.1	22.7

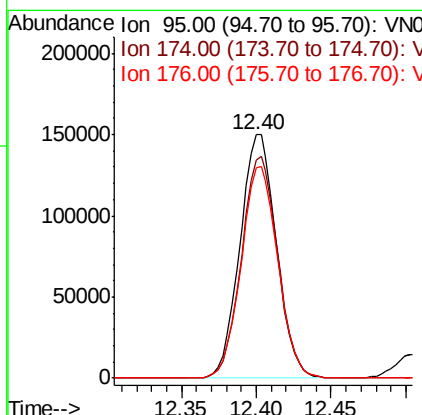
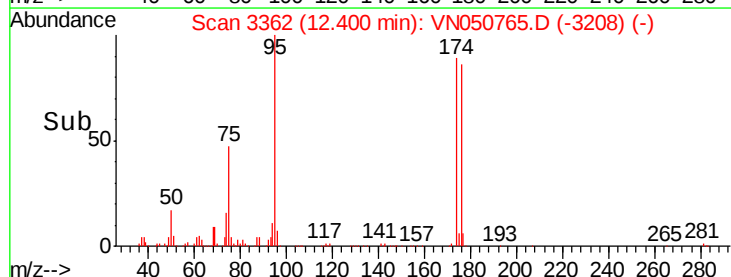
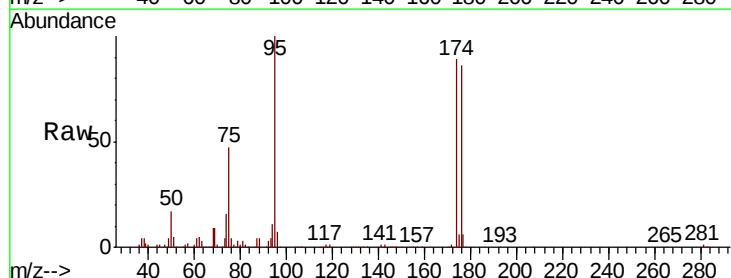
Manual Integrations
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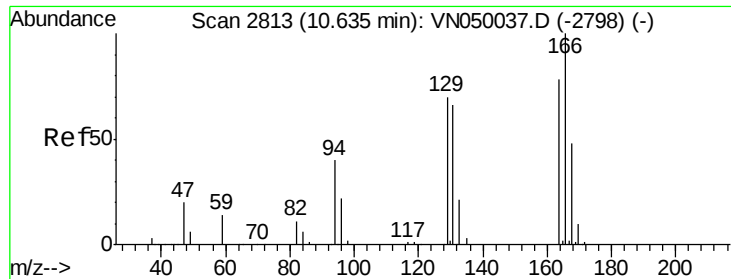
MMDadoda
8/21/2018 2:12:59 PM



#60
4-Bromofluorobenzene
Concen: 29.45 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	72.3	108.5
176	87.6	70.0	105.0





#61

Tetrachloroethene

Concen: 17.72 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

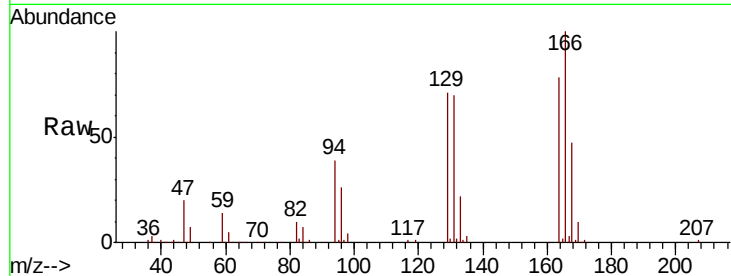
ClientSampleId :

VN0820WBS01

Tot Ion:	164	Resp:	134531
Ion Ratio	Lower	Upper	
164	100		
166	127.6	100.0	150.0
129	90.4	69.3	103.9
131	89.4	68.8	103.2

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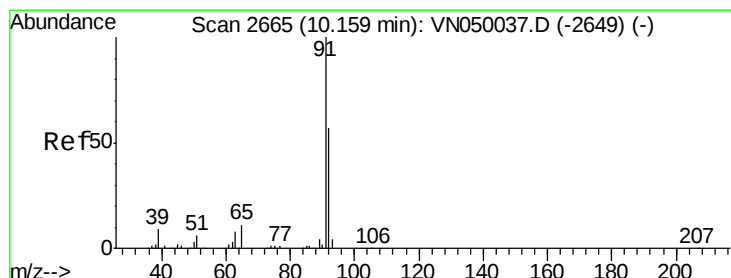
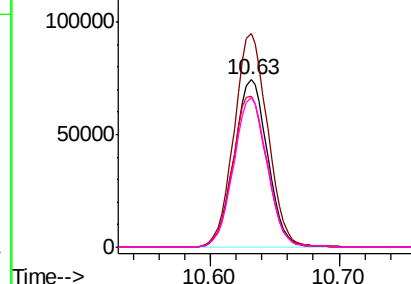
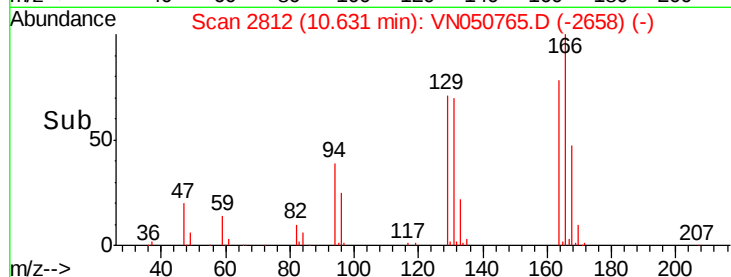
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.00 ug/l

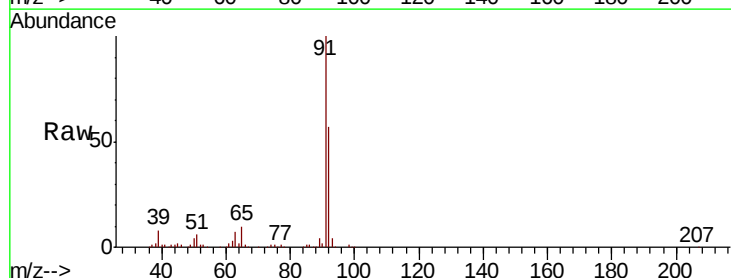
RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

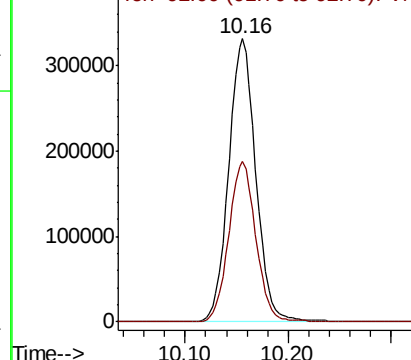
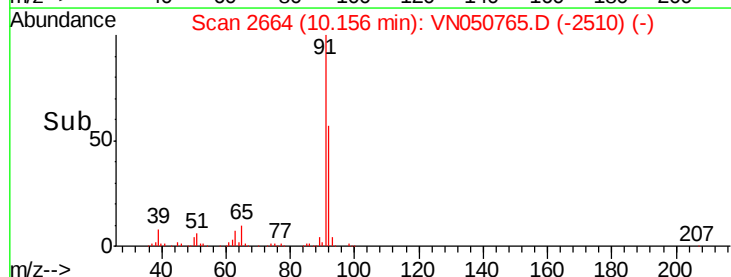
Tgt Ion:	91	Resp:	607786
Ion Ratio	Lower	Upper	
91	100		
92	56.8	45.7	68.5

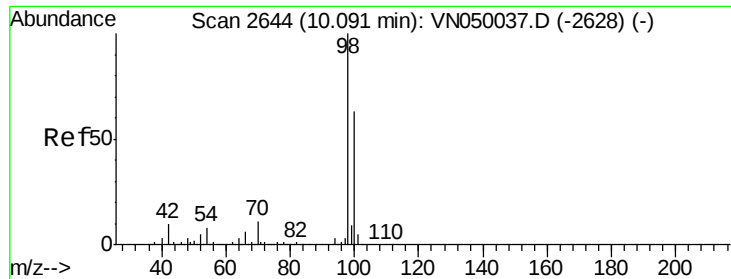


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.19 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBS01

Tot Ion: 98 Resp: 808530

Ion Ratio Lower Upper

98 100

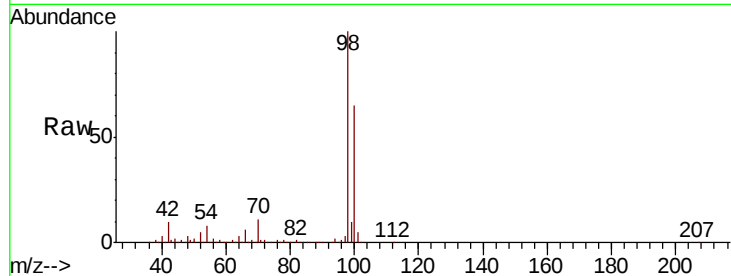
100 64.3 51.2 76.8

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Abundance Ion 98.00 (97.70 to 98.70): VN050037.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-2628) (-)

10.09

400000

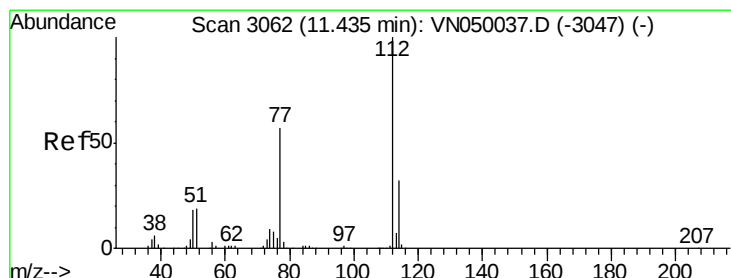
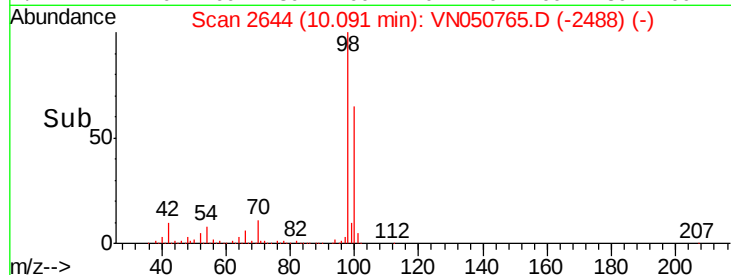
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 19.11 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050765.D

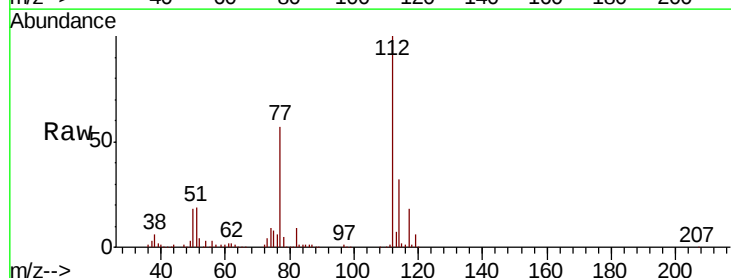
Acq: 20 Aug 2018 11:19

Tgt Ion: 112 Resp: 370685

Ion Ratio Lower Upper

112 100

114 32.2 26.2 39.2



Abundance Ion 112.00 (111.70 to 112.70): VN050037.D (-3047) (-)

Ion 114.00 (113.70 to 114.70): VN050037.D (-3047) (-)

11.43

250000

200000

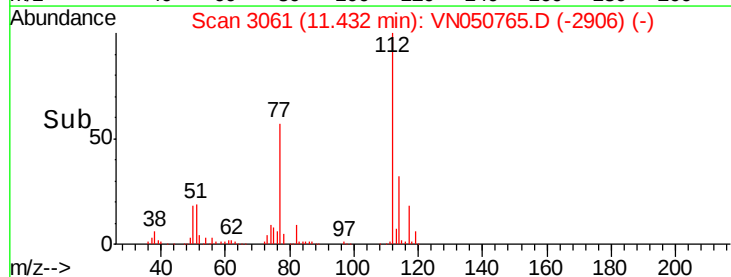
150000

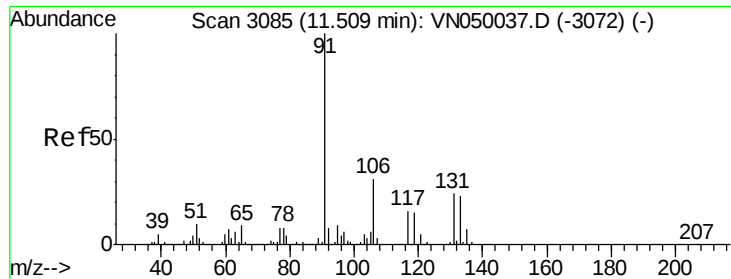
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 18.68 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

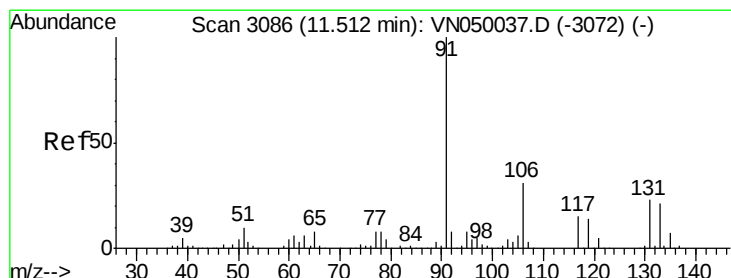
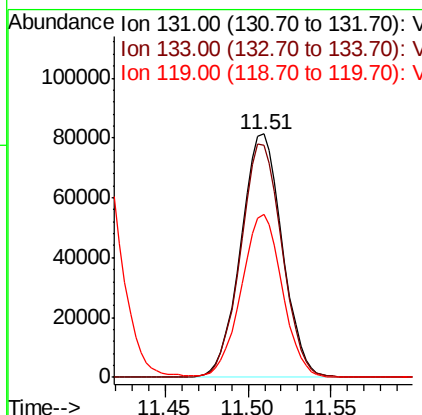
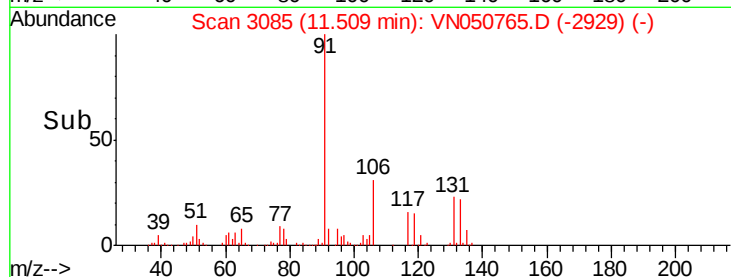
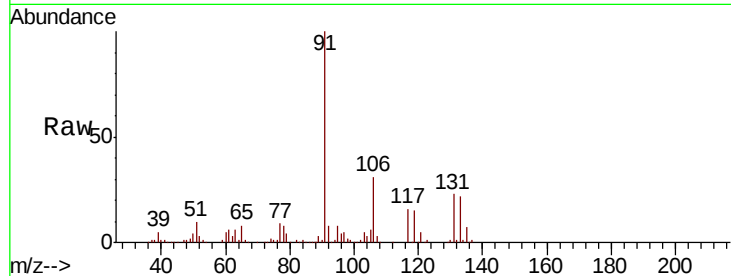
ClientSampled :

VN0820WBS01

Tot Ion:	131	Resp:	141348
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	190.0
119	65.7	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 18.42 ug/l

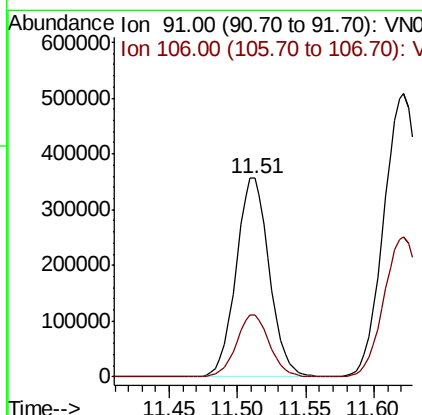
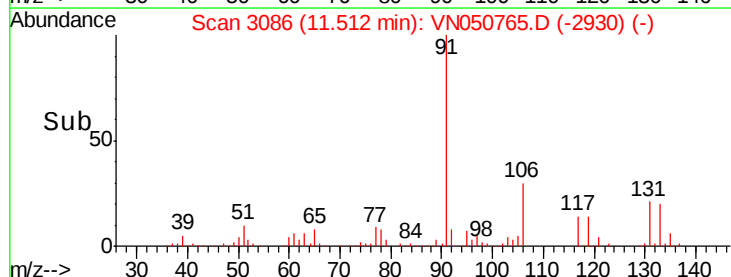
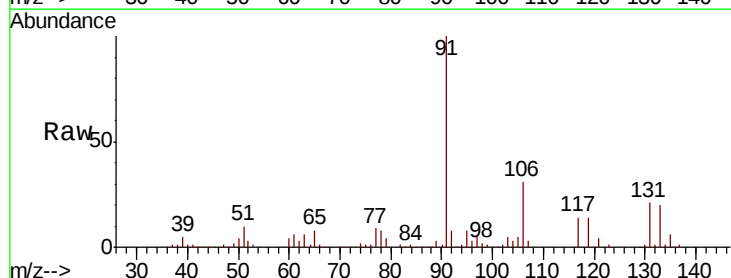
RT: 11.51 min Scan# 3086

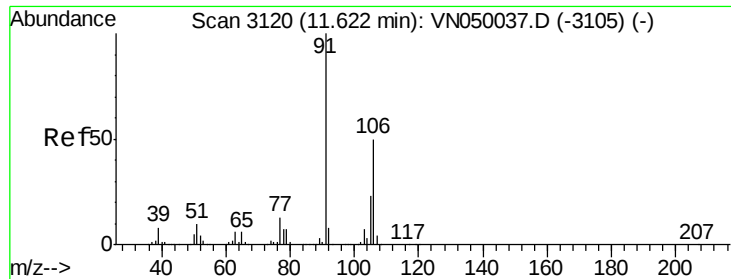
Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Tgt Ion:	91	Resp:	602244
Ion Ratio	Lower	Upper	
91	100		
106	31.1	25.1	37.7





#67

m/p-Xylenes

Concen: 38.26 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

Tot Ion:106 Resp: 481261

Ion Ratio Lower Upper

106 100

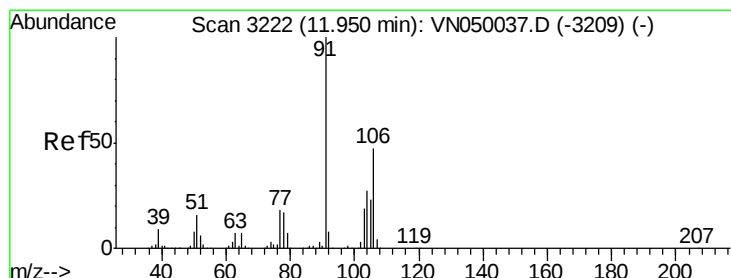
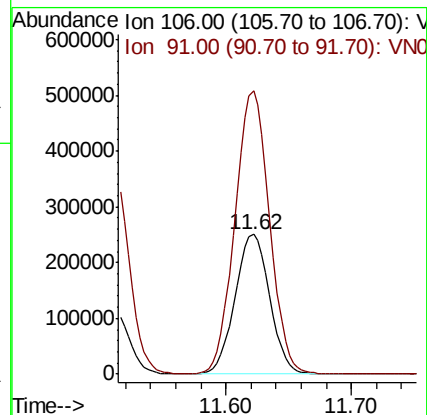
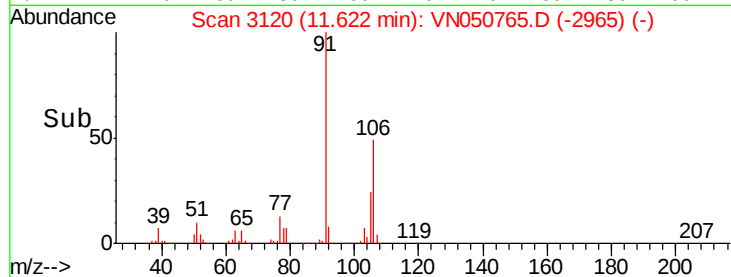
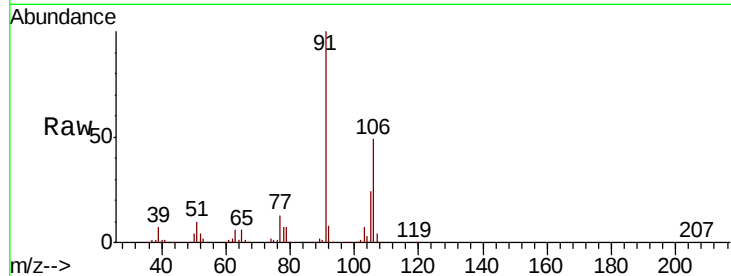
91 201.1 162.5 243.7

Manual Integrations

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#68

o-Xylene

Concen: 19.06 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN050765.D

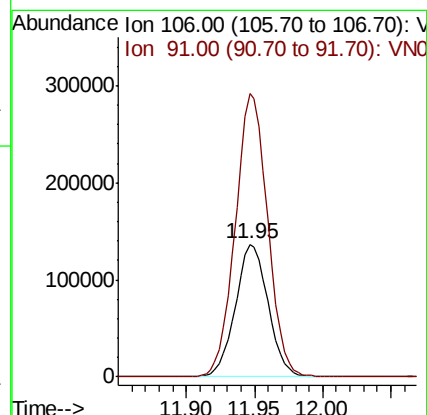
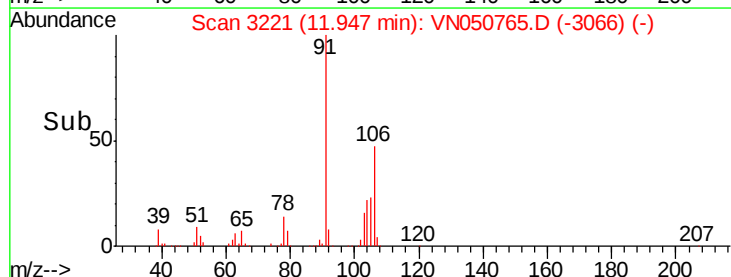
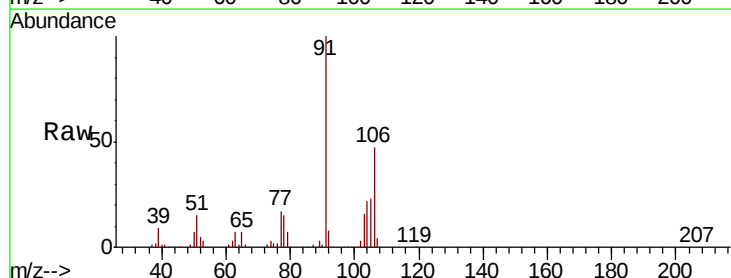
Acq: 20 Aug 2018 11:19

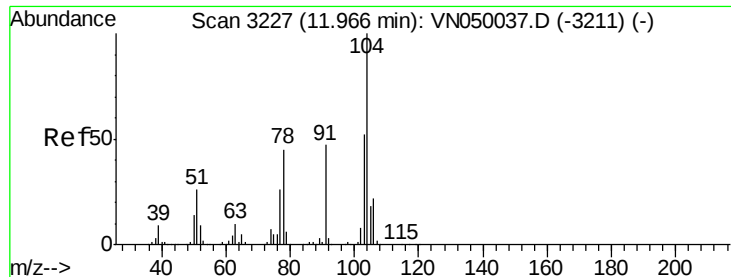
Tgt Ion:106 Resp: 228094

Ion Ratio Lower Upper

106 100

91 210.7 106.8 320.4





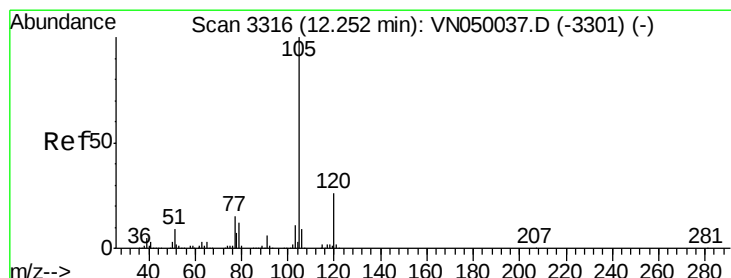
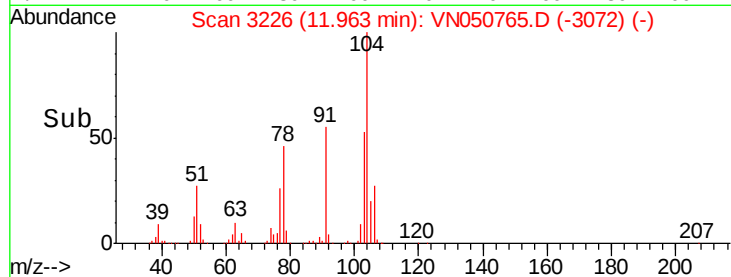
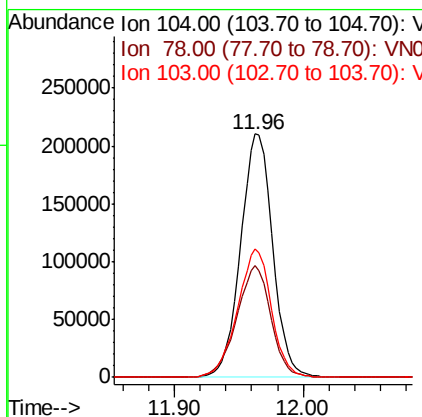
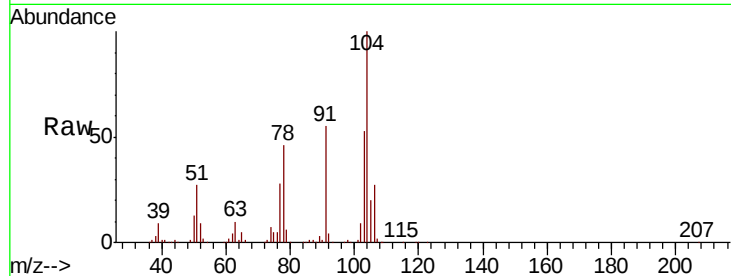
#69
Stvrene
Concen: 19.03 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	365092		
78	48.8		39.3	58.9
103	55.6		44.5	66.7

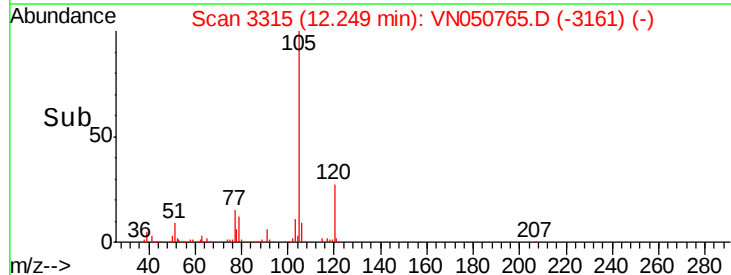
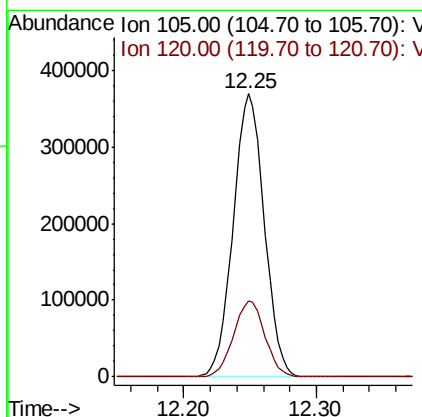
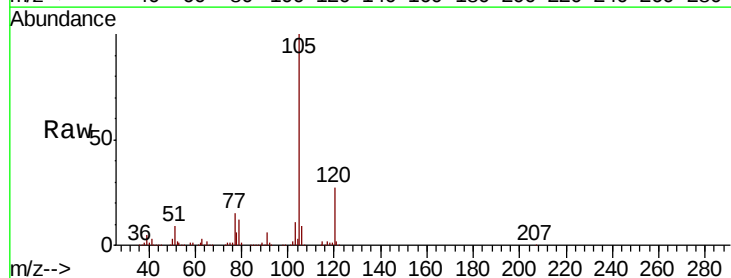
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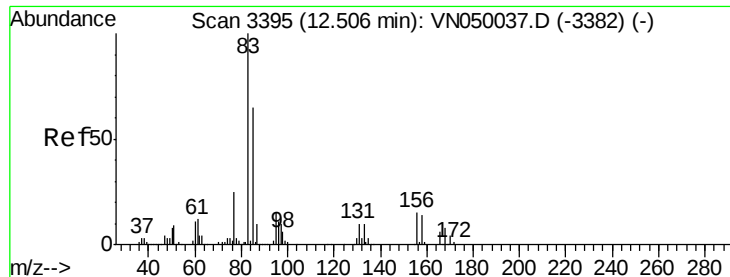
MMDadoda
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#70
Isopropylbenzene
Concen: 18.79 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	599000		
120	27.1		18.9	35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 17.48 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

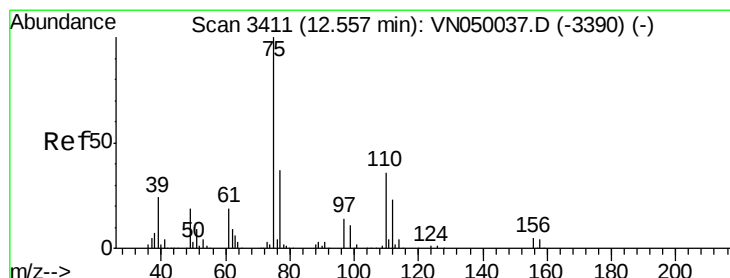
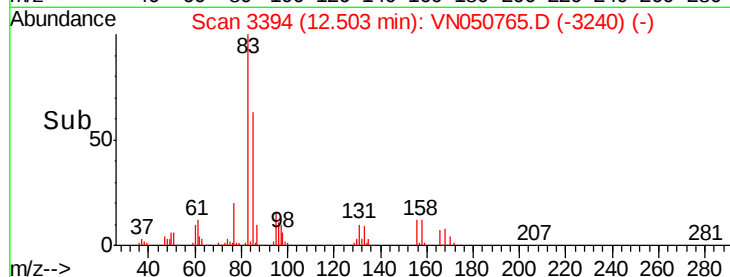
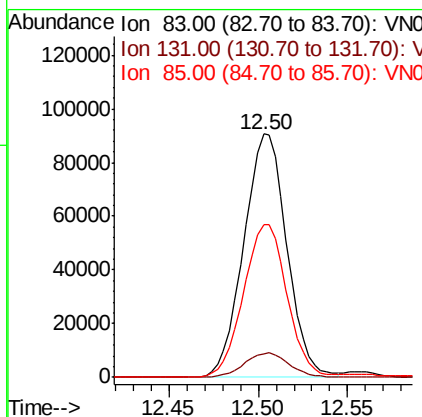
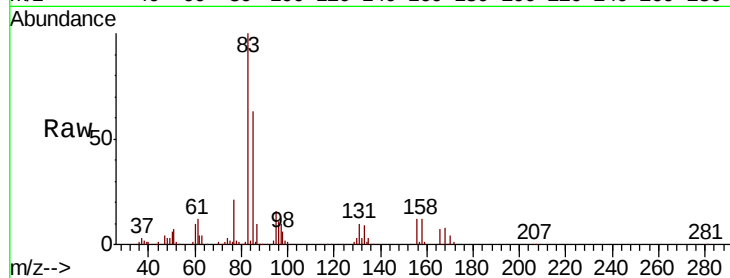
ClientSampleId :

VN0820WBS01

Tot Ion:	83	Resp:	152986
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	63.3	31.7	95.1

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#72

1,2,3-Trichloropropane

Concen: 15.97 ug/l m

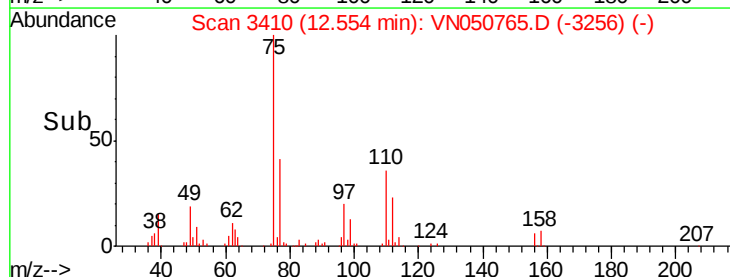
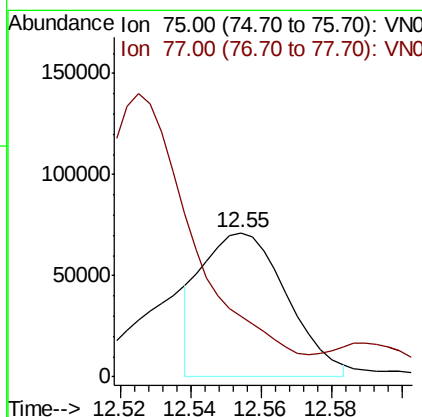
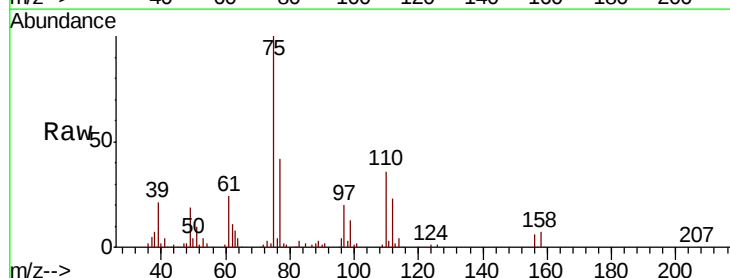
RT: 12.55 min Scan# 3410

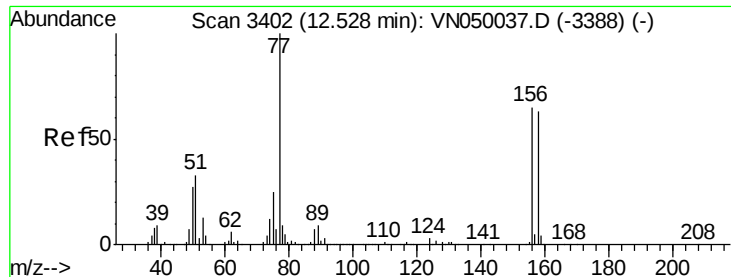
Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Tgt Ion:	75	Resp:	119394
Ion Ratio	Lower	Upper	
75	100		
77	233.3	0.0	454.4





#73

Bromobenzene

Concen: 18.23 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

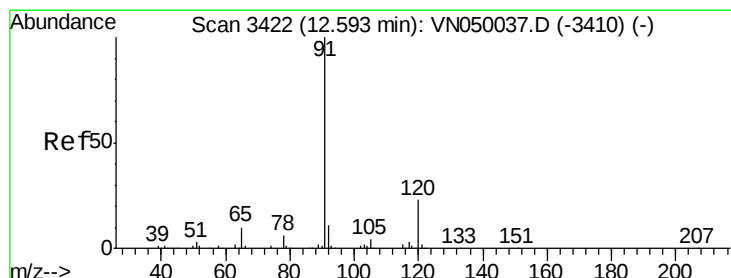
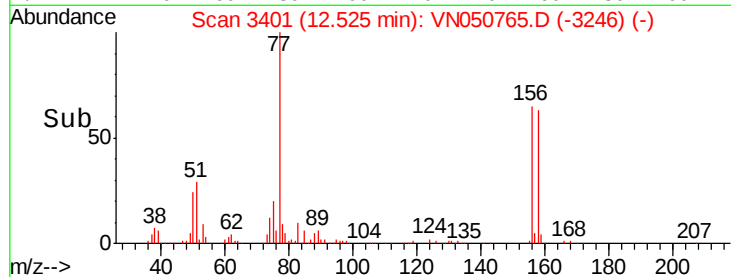
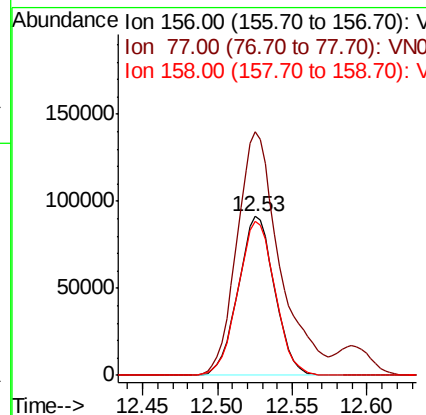
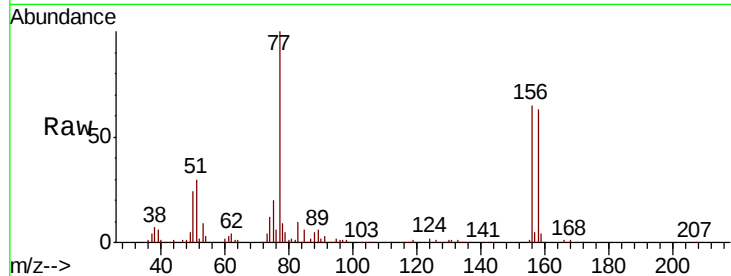
ClientSampleId :

VN0820WBS01

Tot Ion:	156	Resp:	154784
Ion Ratio	Lower	Upper	
156	100		
77	179.9	0.0	359.8
158	98.6	0.0	192.8

Manual Integrations
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#74

n-propylbenzene

Concen: 18.41 ug/l

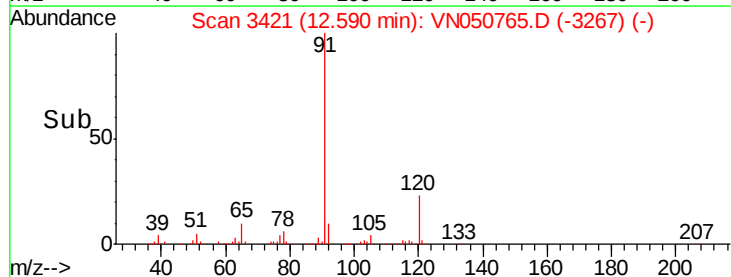
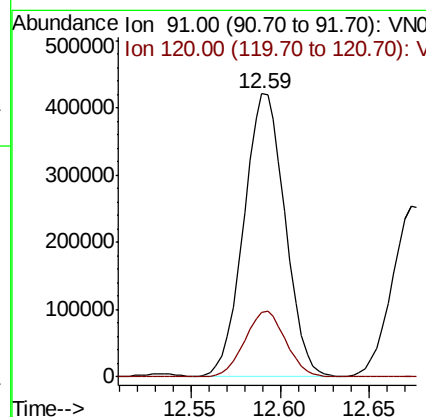
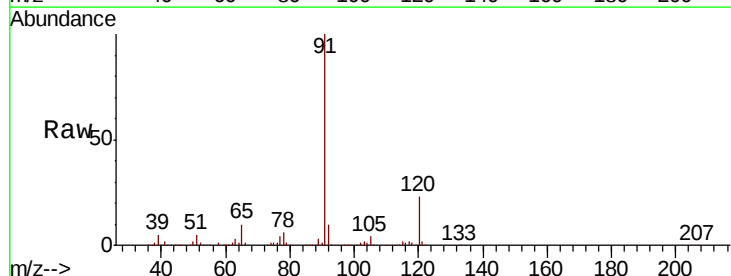
RT: 12.59 min Scan# 3421

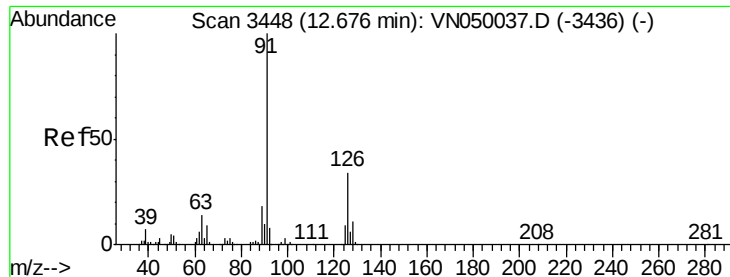
Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Tgt Ion:	91	Resp:	683535
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	46.4





#75

2-Chlorotoluene

Concen: 18.82 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0820WBS01

Tot Ion: 91 Resp: 419606

Ion Ratio Lower Upper

91 100

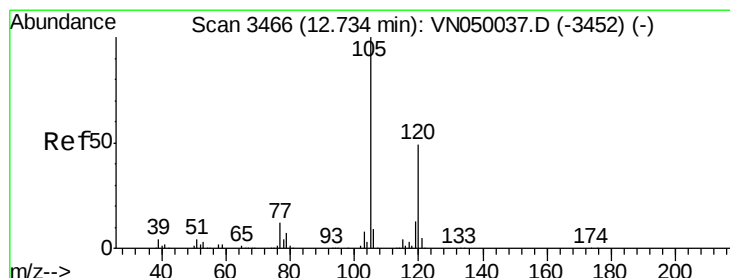
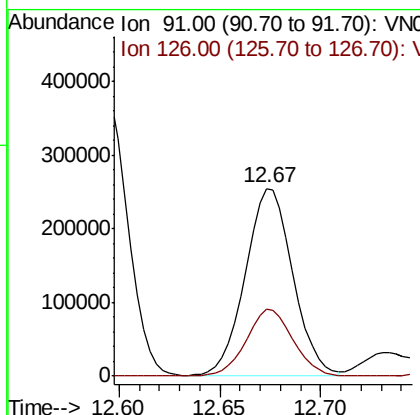
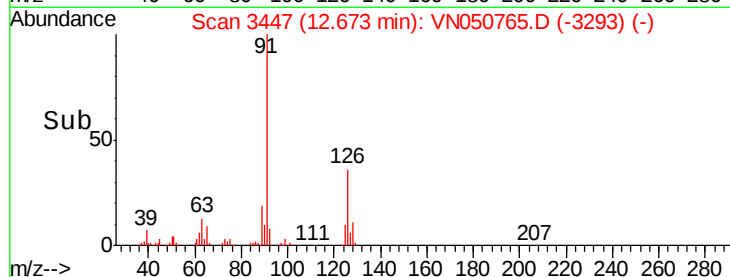
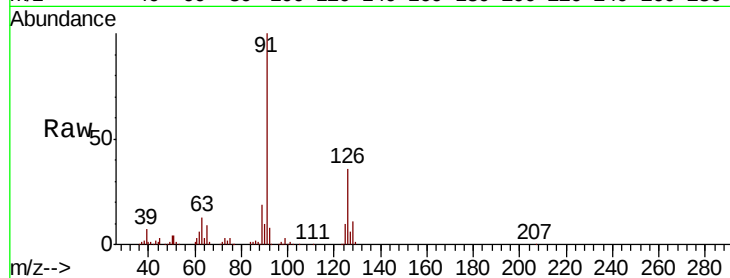
126 35.2 0.0 68.6

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#76

1,3,5-Trimethylbenzene

Concen: 19.02 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050765.D

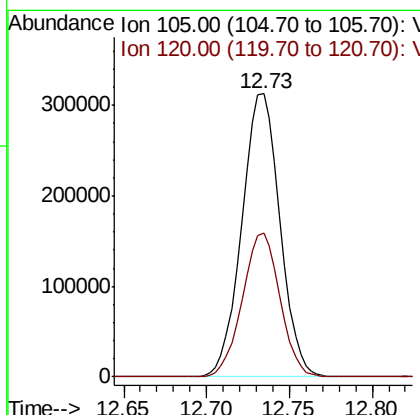
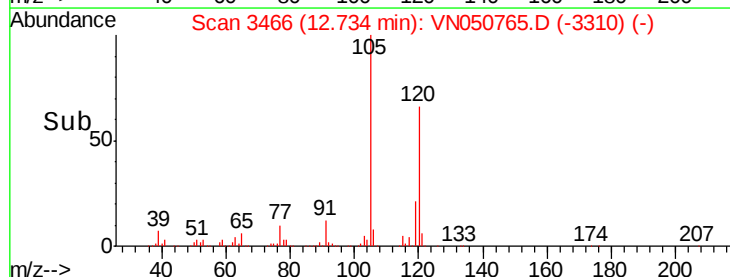
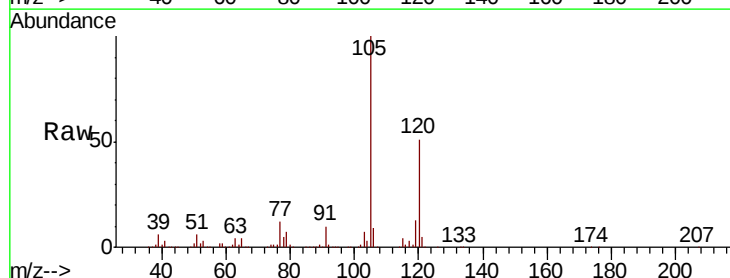
Acq: 20 Aug 2018 11:19

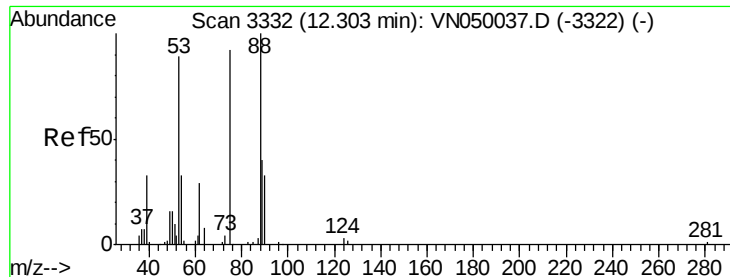
Tgt Ion: 105 Resp: 498098

Ion Ratio Lower Upper

105 100

120 50.3 0.0 98.0





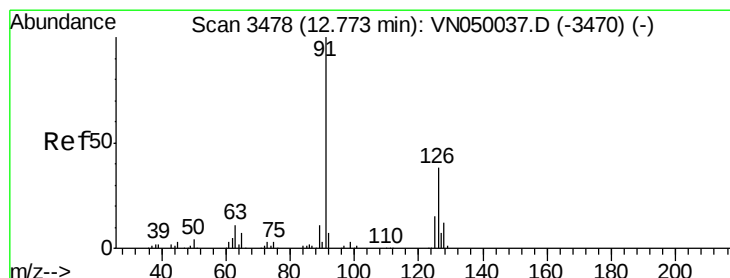
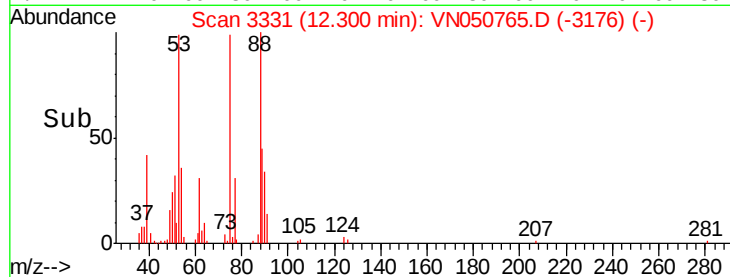
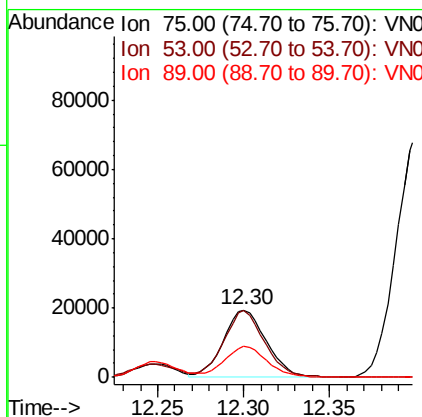
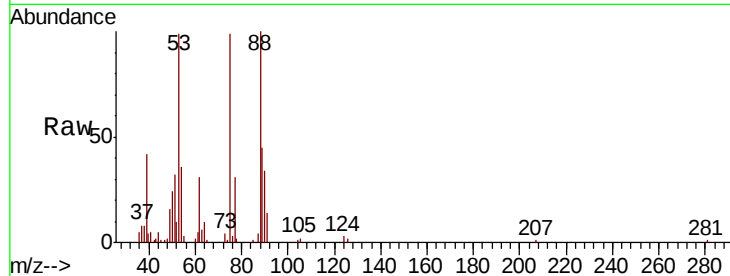
#77
t-1,4-Dichloro-2-butene
Concen: 13.87 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.6	44.6	134.0
89	45.6	20.7	62.1

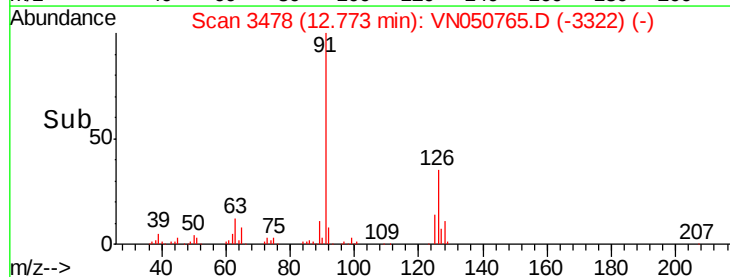
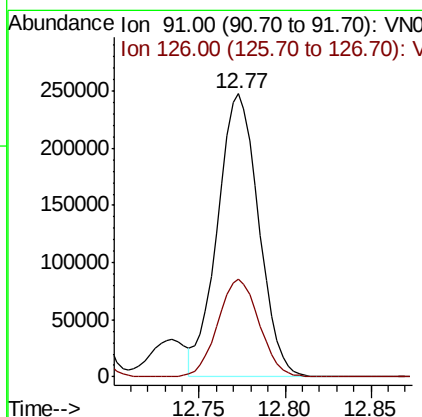
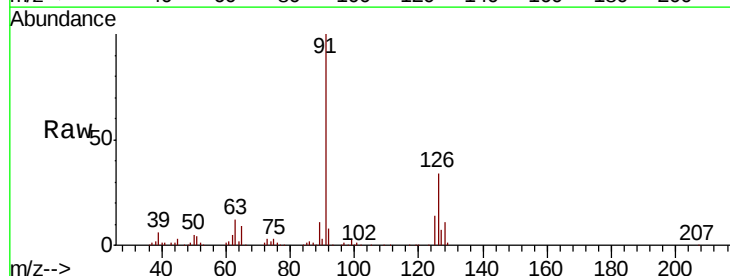
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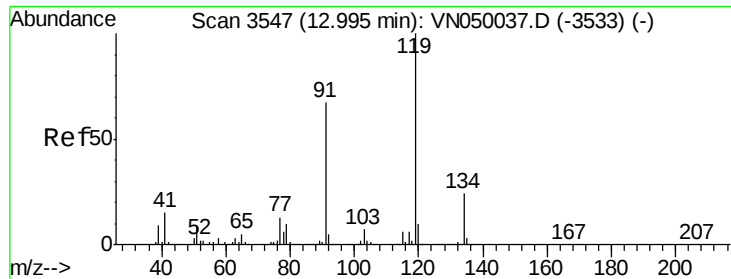
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#78
4-Chlorotoluene
Concen: 18.65 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	0.0	68.4





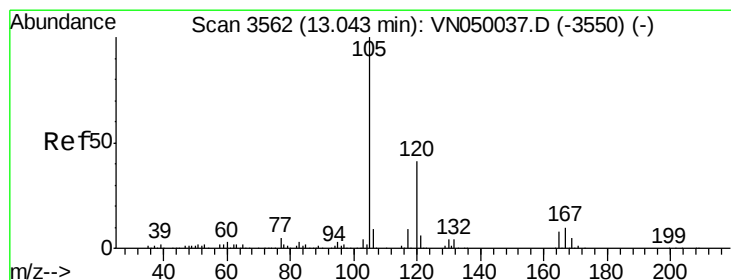
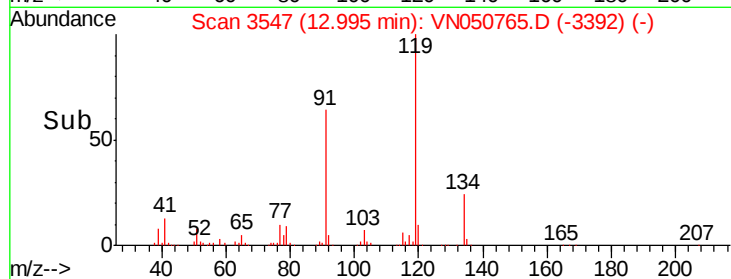
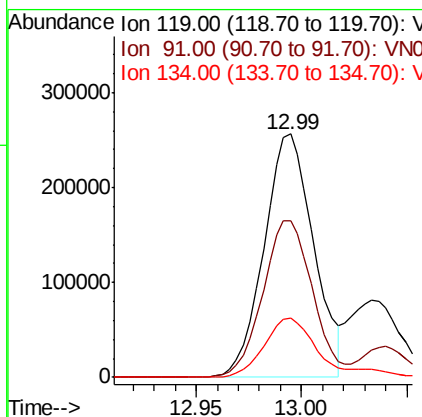
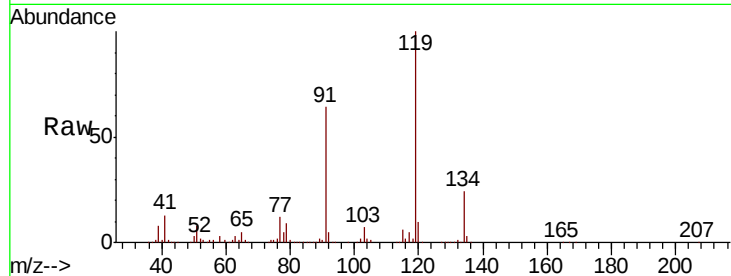
#79
tert-butylbenzene
Concen: 18.72 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	418956		
91	64.2		0.0	126.8
134	24.5		0.0	47.4

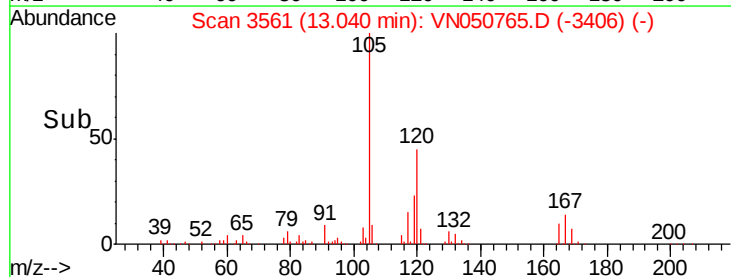
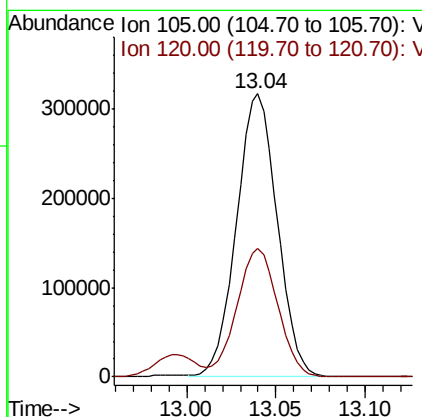
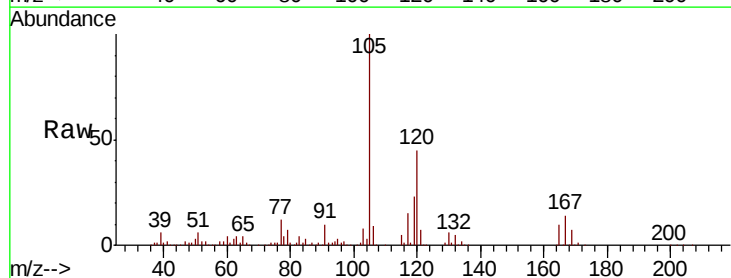
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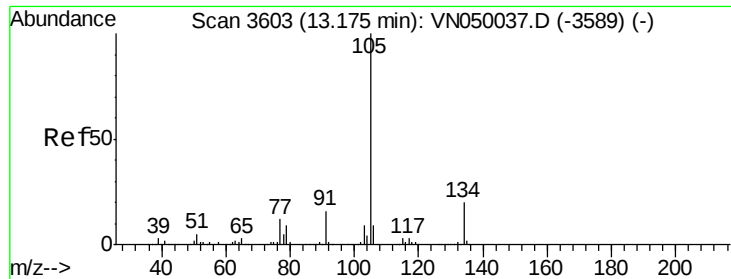
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#80
1,2,4-Trimethylbenzene
Concen: 19.11 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	506945		
120	45.7		0.0	90.6





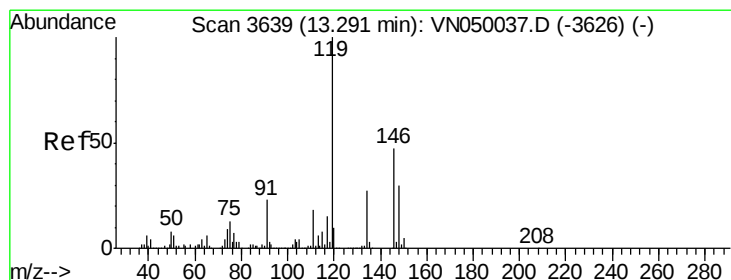
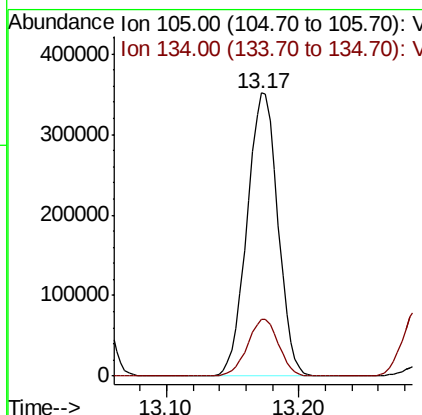
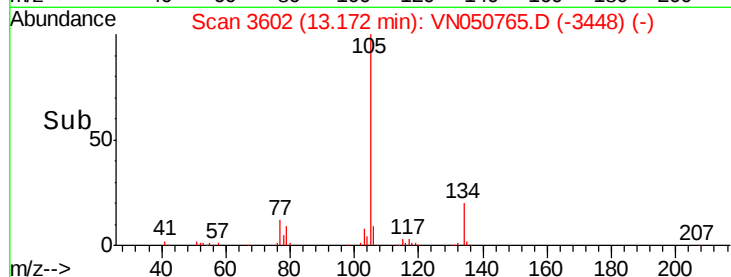
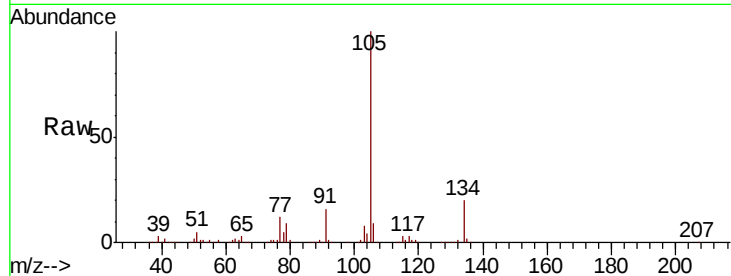
#81
 sec-Butylbenzene
 Concen: 18.69 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	568320		
134	20.2	0.0	40.6	

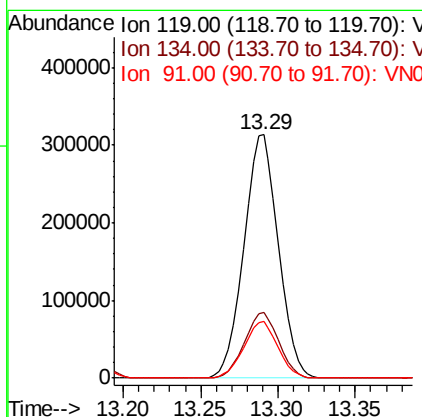
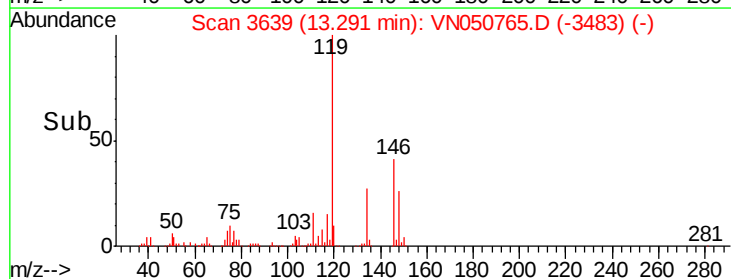
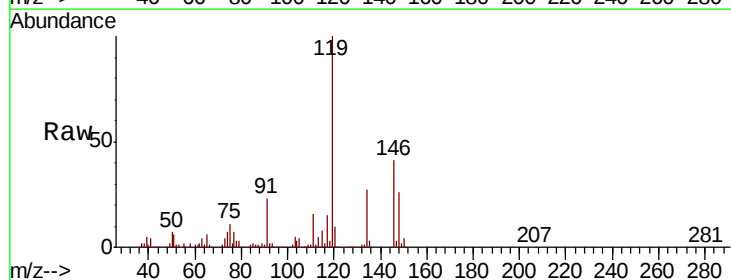
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#82
 p-Isopropyltoluene
 Concen: 18.70 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	485195		
134	26.9	0.0	52.2	
91	22.9	0.0	45.6	





#83

1,3-Dichlorobenzene

Concen: 17.82 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Instrument :

MSVOA_N

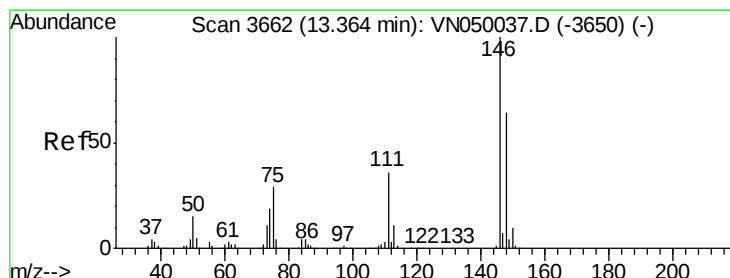
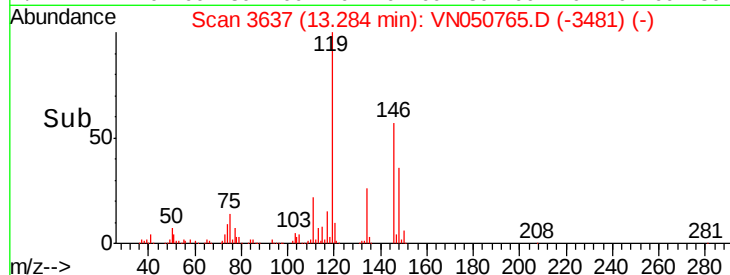
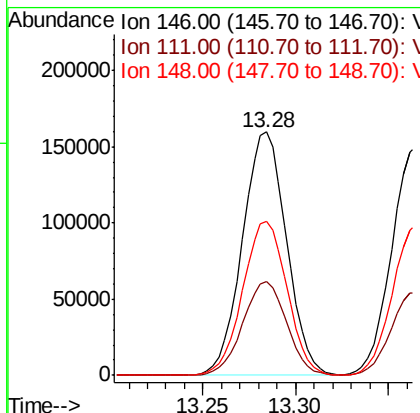
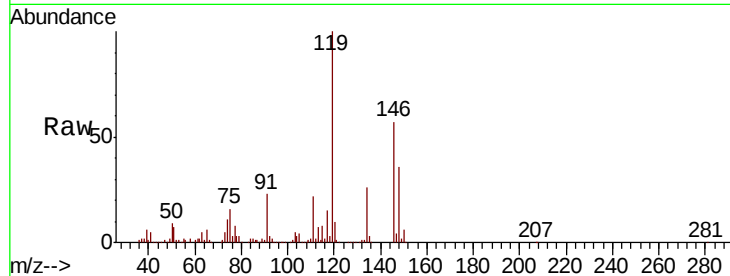
ClientSampleId :

VN0820WBS01

Tot Ion:	146	Resp:	263430
Ion Ratio	Lower	Upper	
146	100		
111	38.4	19.1	57.1
148	63.5	31.9	95.9

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 17.67 ug/l

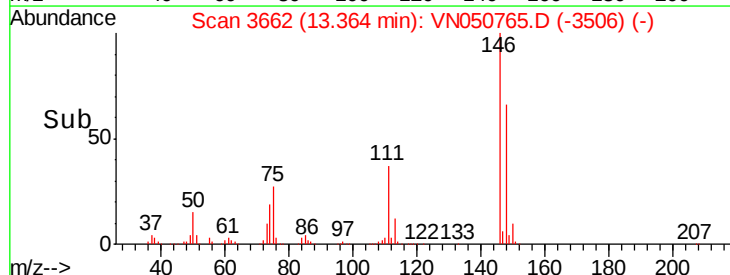
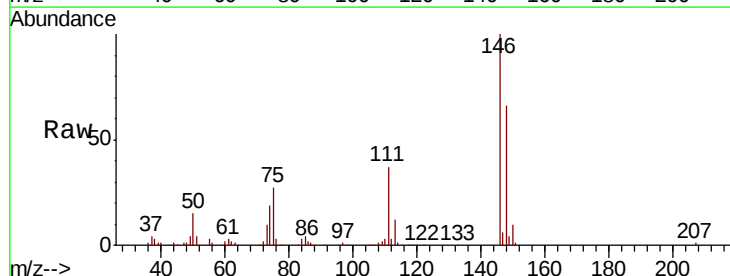
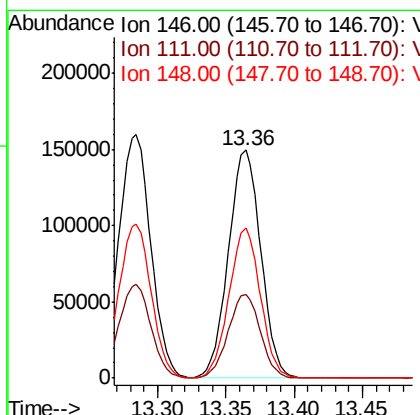
RT: 13.36 min Scan# 3662

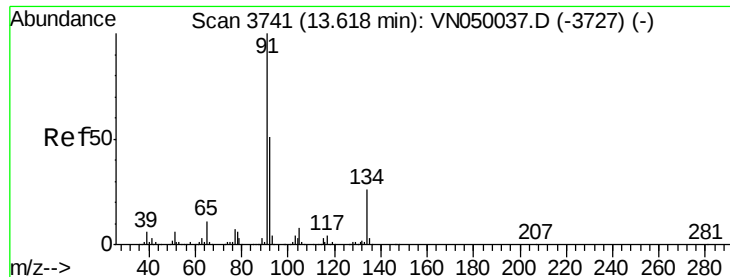
Delta R.T. -0.00 min

Lab File: VN050765.D

Acq: 20 Aug 2018 11:19

Tgt Ion:	146	Resp:	246857
Ion Ratio	Lower	Upper	
146	100		
111	36.6	17.9	53.8
148	63.8	32.4	97.0





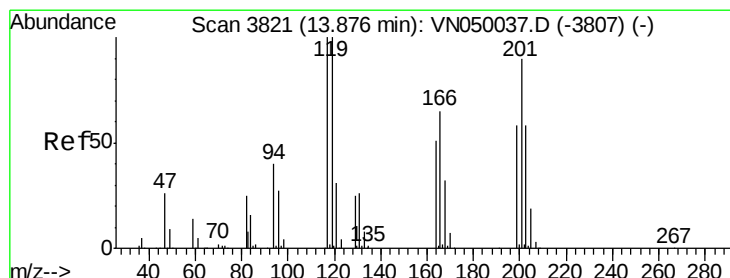
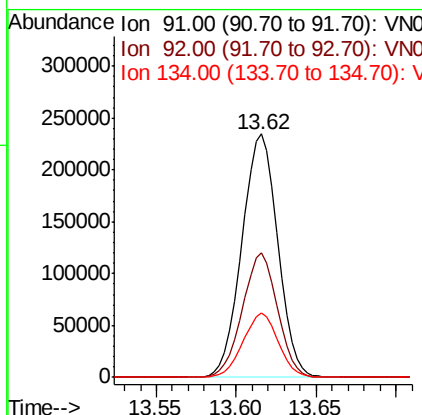
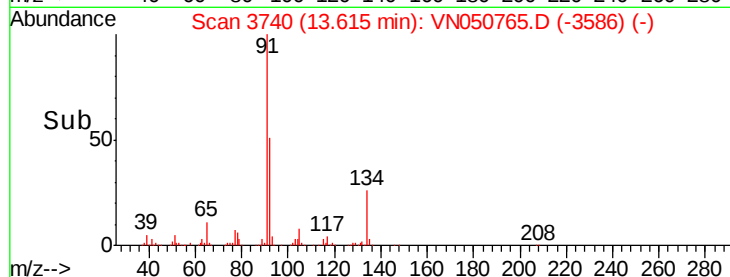
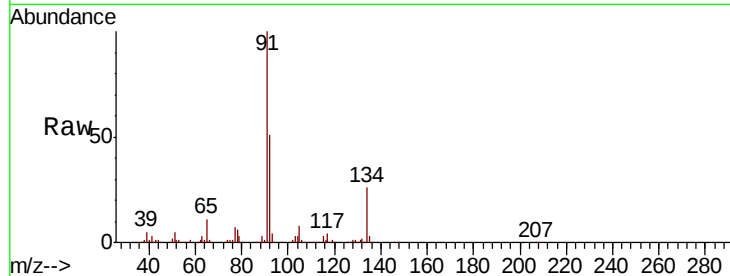
#85
n-Butylbenzene
Concen: 17.06 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	359319		
92	49.9	0.0	102.8	
134	25.9	0.0	51.0	

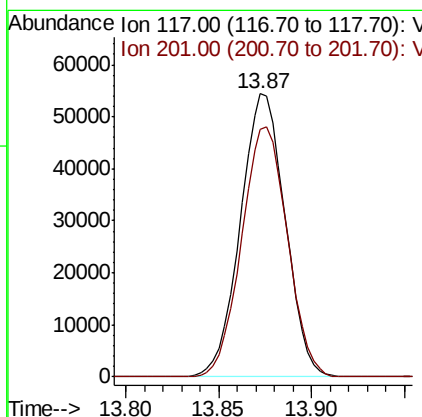
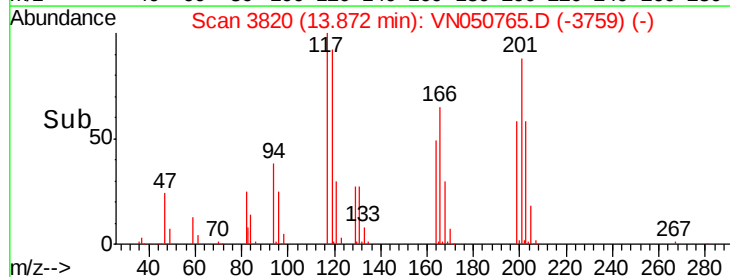
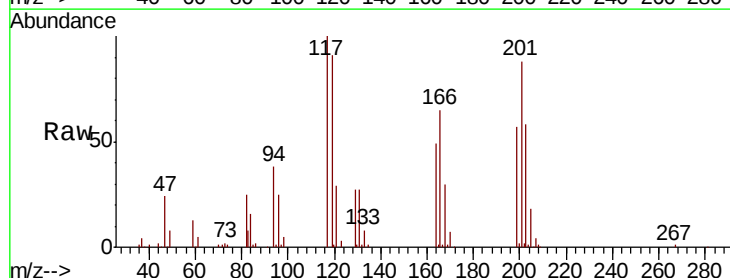
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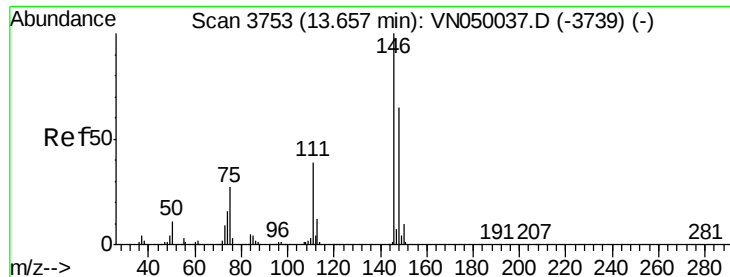
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#86
Hexachloroethane
Concen: 17.60 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	91253		
201	90.1	46.6	139.7	





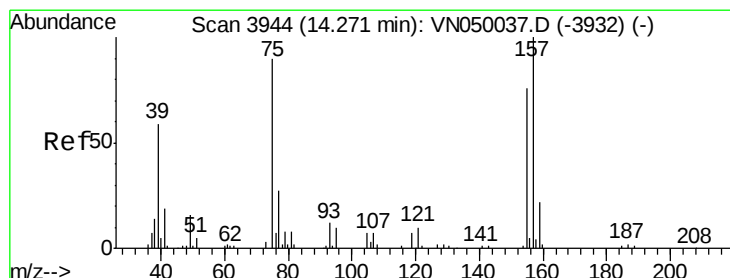
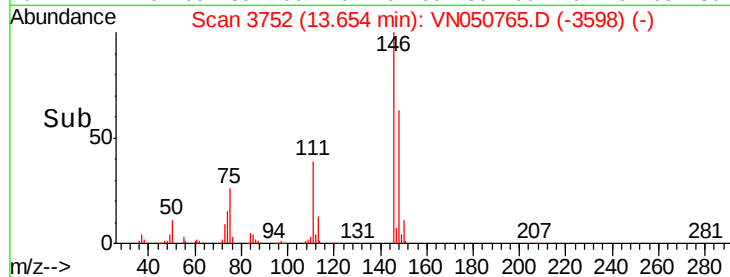
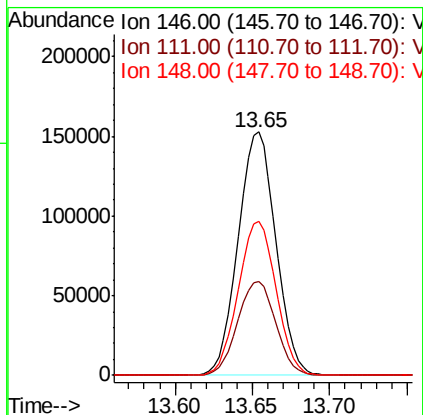
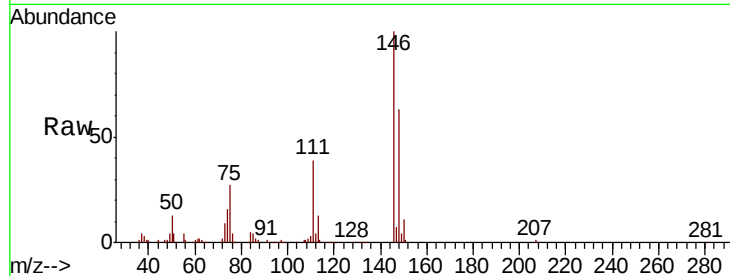
#87
 1,2-Dichlorobenzene
 Concen: 17.92 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	258956		
111	38.8	19.8	59.3	
148	63.3	31.8	95.3	

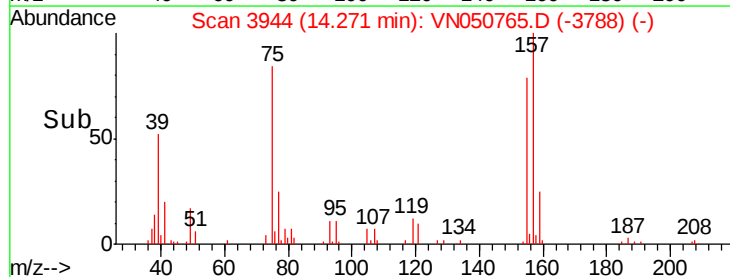
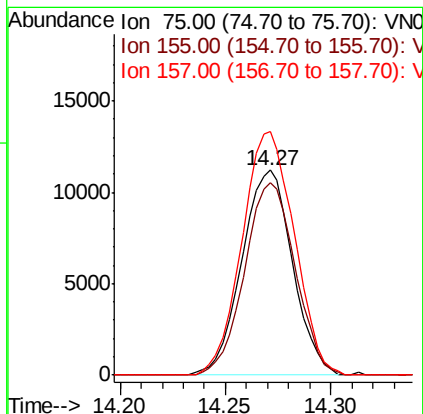
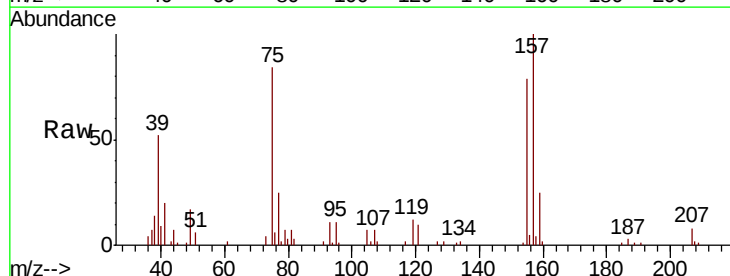
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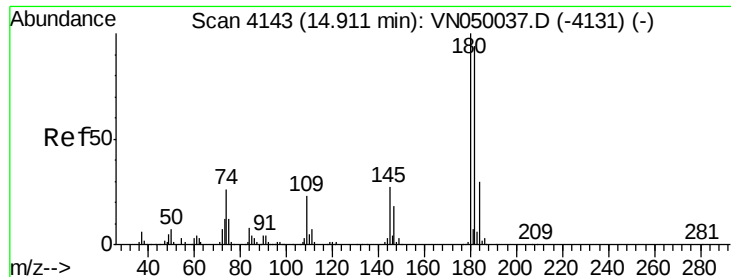
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 13.75 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18747		
155	93.7	73.0	109.6	
157	122.3	94.9	142.3	





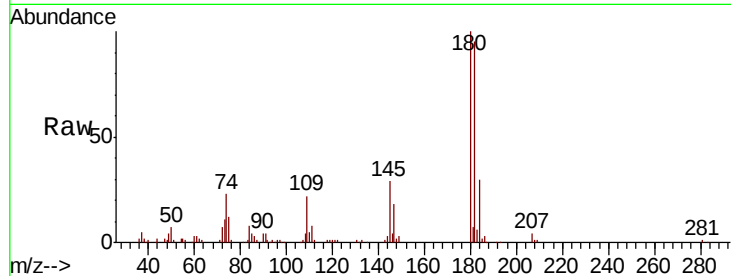
#89
 1,2,4-Trichlorobenzene
 Concen: 14.18 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	97913		
182	96.3		76.7	115.1
145	28.1		23.4	35.0

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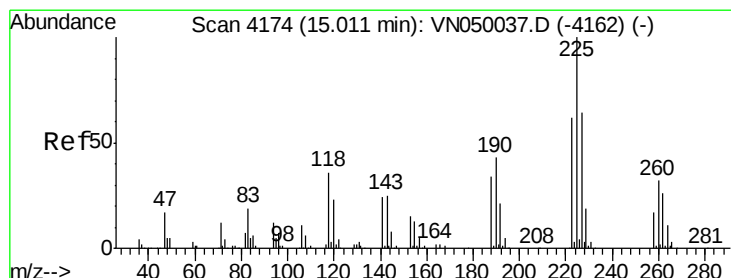
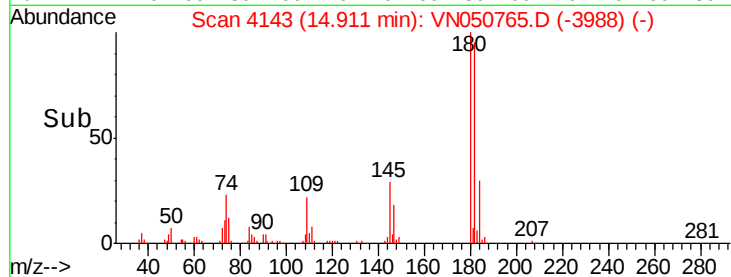
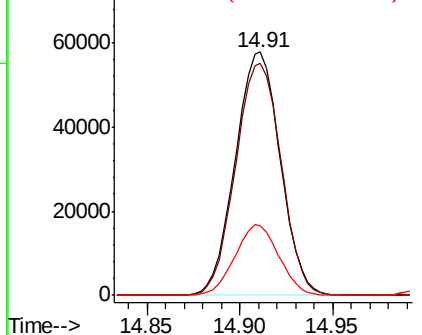


Abundance

Ion 180.00 (179.70 to 180.70): V

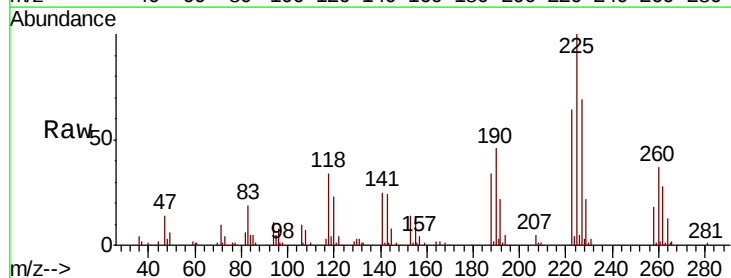
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 18.57 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050765.D
 Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84512		
223	63.6		0.0	124.4
227	65.8		0.0	133.0

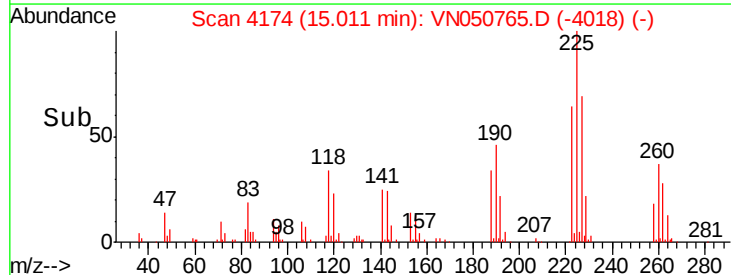
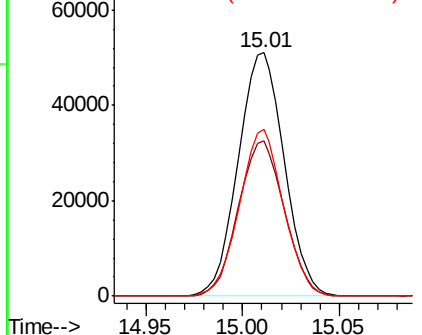


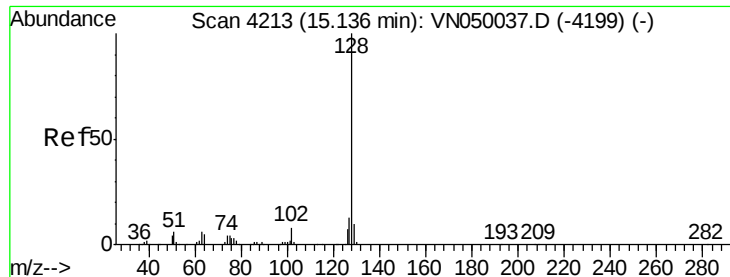
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





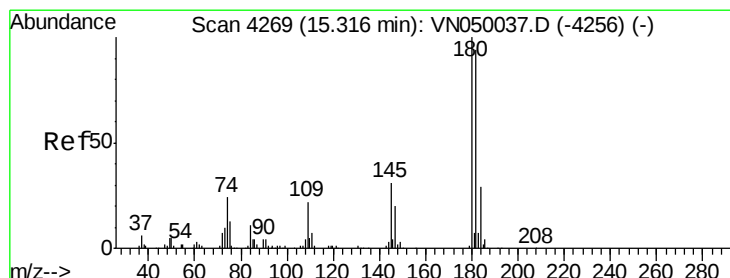
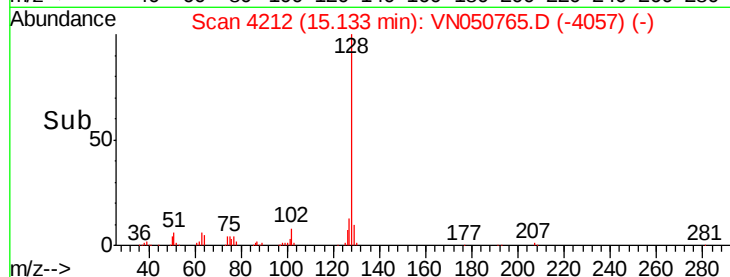
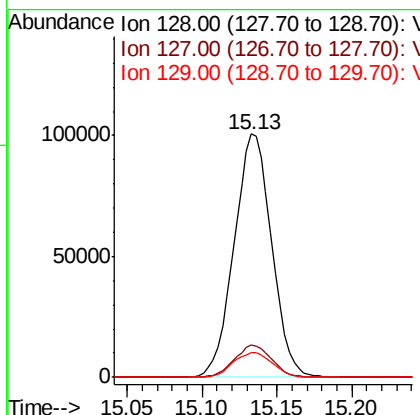
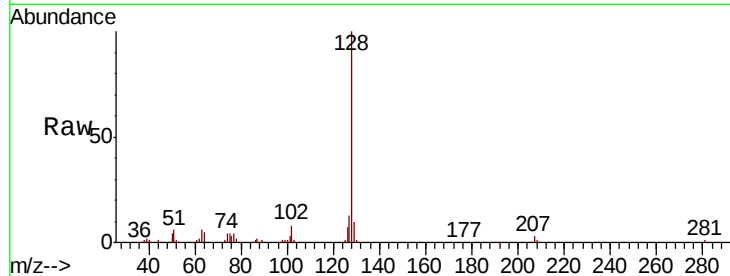
#91
Naphthalene
Concen: 15.76 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	10.7	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
8/21/2018 2:12:59 PM



#92
1,2,3-Trichlorobenzene
Concen: 14.10 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN050765.D
Acq: 20 Aug 2018 11:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	188.8
145	29.9	0.0	60.8

