

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049386.D
 Acq On : 19 Jun 2018 15:37
 Operator : MD\SY
 Sample : VN0619WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/20/2018 4:54:00 PM

Quant Time: Jun 20 04:47:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1537759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2335700	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2095837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	969927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	984822	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
35) Dibromofluoromethane	7.59	113	879539	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
50) Toluene-d8	10.09	98	3255815	45.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.50%	
62) 4-Bromofluorobenzene	12.40	95	1068567	44.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	346824	19.595	ug/l	100
3) Chloromethane	2.06	50	425909	18.635	ug/l	99
4) Vinyl Chloride	2.18	62	460719	18.967	ug/l	98
5) Bromomethane	2.56	94	235722	18.460	ug/l	96
6) Chloroethane	2.70	64	285794	19.733	ug/l	99
7) Trichlorofluoromethane	3.01	101	585705	19.328	ug/l	100
8) Diethyl Ether	3.41	74	208365	19.695	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	364582	18.969	ug/l	95
10) Methyl Iodide	3.95	142	332197	16.603	ug/l	92
11) Tert butyl alcohol	4.80	59	132892	111.013	ug/l	97
12) 1,1-Dichloroethene	3.73	96	330289	18.732	ug/l	90
13) Acrolein	3.61	56	193262	153.949	ug/l	99
14) Allyl chloride	4.32	41	526404	18.908	ug/l	89
15) Acrylonitrile	4.99	53	610247	101.949	ug/l	98
16) Acetone	3.82	43	501479	101.264	ug/l	91
17) Carbon Disulfide	4.05	76	995258	18.009	ug/l	99
18) Methyl Acetate	4.33	43	317761	21.044	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	916966	20.398	ug/l	100
20) Methylene Chloride	4.55	84	384726	18.601	ug/l	88
21) trans-1,2-Dichloroethene	5.04	96	347438	18.613	ug/l	88
22) Diisopropyl ether	5.96	45	1107405	19.919	ug/l	96
23) Vinyl Acetate	5.90	43	3651208	100.743	ug/l	96
24) 1,1-Dichloroethane	5.85	63	667315	18.754	ug/l	98
25) 2-Butanone	6.84	43	698686	105.072	ug/l	97
26) 2,2-Dichloropropane	6.83	77	539919	18.788	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	400052	19.276	ug/l	92
28) Bromochloromethane	7.20	49	290738	18.429	ug/l	84
29) Tetrahydrofuran	7.22	42	447250	104.488	ug/l	93
30) Chloroform	7.37	83	684276	19.323	ug/l	100
31) Cyclohexane	7.65	56	593311	19.561	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	581303	19.239	ug/l	97
36) 1,1-Dichloropropene	7.80	75	502854	18.784	ug/l	97
37) Ethyl Acetate	6.94	43	317664	21.828	ug/l	99
38) Carbon Tetrachloride	7.78	117	512503	18.493	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	522977	18.200	ug/l	97
40) Benzene	8.04	78	1542953	18.800	ug/l	99
41) Methacrylonitrile	7.18	41	160459	20.395	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	488395	19.262	ug/l	96
43) Isopropyl Acetate	8.17	43	584729	21.029	ug/l	98
44) Trichloroethene	8.84	130	412278	19.023	ug/l	95
45) 1,2-Dichloropropane	9.12	63	401739	18.695	ug/l	98
46) Dibromomethane	9.21	93	239554	19.226	ug/l	93
47) Bromodichloromethane	9.40	83	511219	18.670	ug/l	97
48) Methyl methacrylate	9.20	41	271846	20.761	ug/l	88
49) 1,4-Dioxane	9.20	88	74795	413.873	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	1525067	104.650	ug/l	95
52) Toluene	10.16	92	949497	19.712	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	493039	18.823	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	579814	18.747	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	343704	19.141	ug/l	96
56) Ethyl methacrylate	10.43	69	416870	20.123	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	576342	19.375	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	509642	79.197	ug/l	95
59) 2-Hexanone	10.75	43	976960	103.984	ug/l	94
60) Dibromochloromethane	10.90	129	375056	18.714	ug/l	100
61) 1,2-Dibromoethane	11.01	107	328823	19.700	ug/l	99
64) Tetrachloroethene	10.63	164	437617	20.377	ug/l	98
65) Chlorobenzene	11.44	112	1005541	18.624	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	376944	18.552	ug/l	99
67) Ethyl Benzene	11.51	91	1711222	19.108	ug/l	98
68) m/p-Xylenes	11.63	106	1315611	39.145	ug/l	96
69) o-Xylene	11.95	106	623497	19.261	ug/l	97
70) Styrene	11.97	104	993399	19.452	ug/l	99
71) Bromoform	12.13	173	255490	19.426	ug/l #	98
73) Isopropylbenzene	12.25	105	1680590	19.734	ug/l	98
74) N-amyl acetate	12.07	43	408264	19.573	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	391616	21.056	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	334982m	20.241	ug/l	
77) Bromobenzene	12.53	156	423554	18.829	ug/l	91
78) n-propylbenzene	12.59	91	1841555	19.694	ug/l	99
79) 2-Chlorotoluene	12.68	91	1135879	19.172	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1338657	19.999	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	98285	18.770	ug/l	97
82) 4-Chlorotoluene	12.78	91	1109062	19.403	ug/l	98
83) tert-Butylbenzene	13.00	119	1147619	19.352	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1342228	20.185	ug/l	99
85) sec-Butylbenzene	13.17	105	1488142	18.854	ug/l	98
86) p-Isopropyltoluene	13.29	119	1264858	19.181	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	685851	18.534	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	662952	18.075	ug/l	99
89) n-Butylbenzene	13.62	91	898307	17.440	ug/l	98
90) Hexachloroethane	13.88	117	256353	19.506	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	678674	18.699	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56418	19.029	ug/l	87

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	211873	16.272	ug/l	98
94) Hexachlorobutadiene	15.01	225	210586	18.102	ug/l	99
95) Naphthalene	15.14	128	438025	17.654	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	232891	16.789	ug/l	97

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

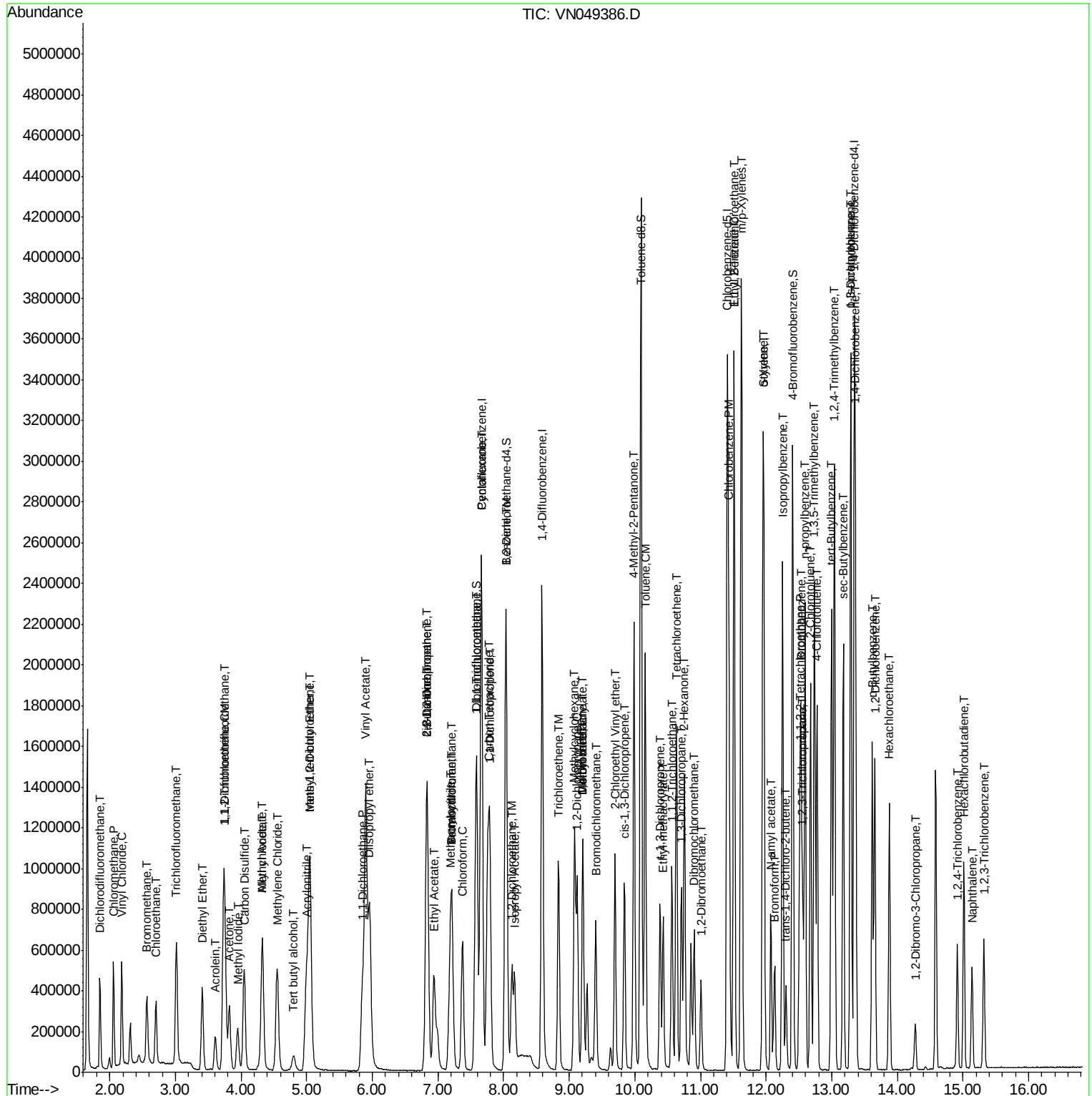
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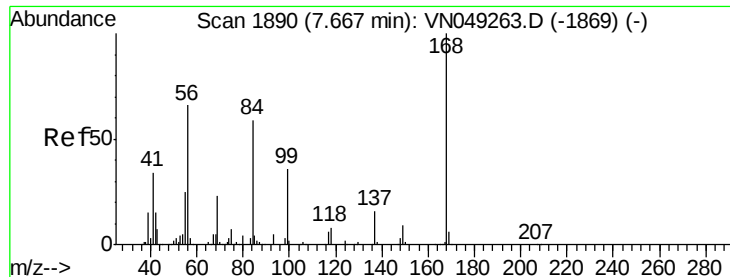
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion:168 Resp: 1537759

Ion Ratio Lower Upper

168 100

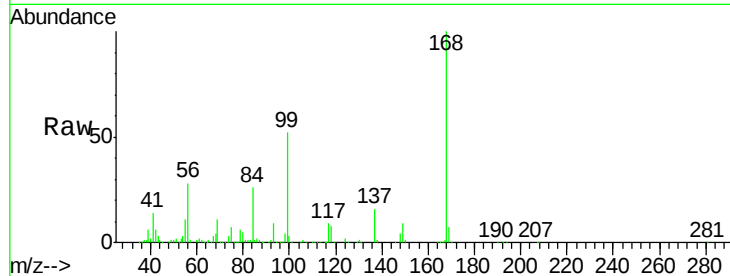
99 51.4 45.8 68.6

Manual Integrations

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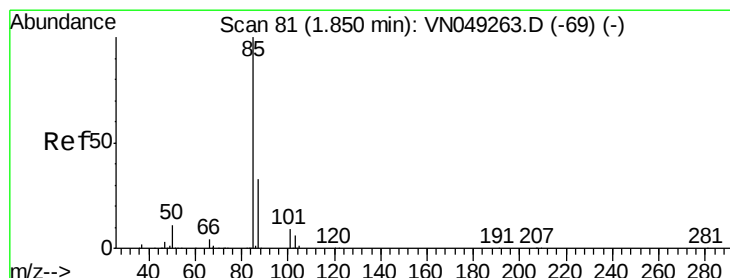
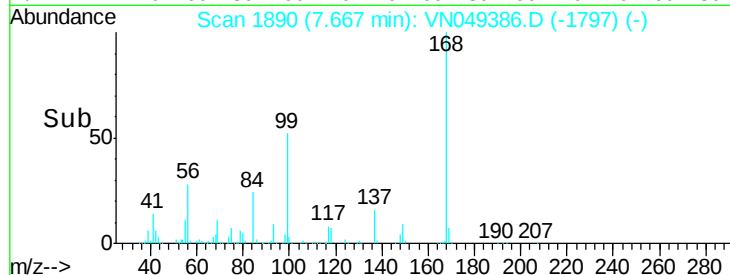
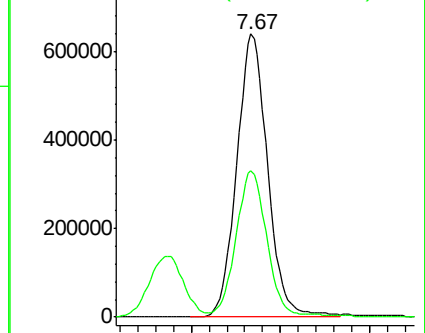
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.595 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049386.D

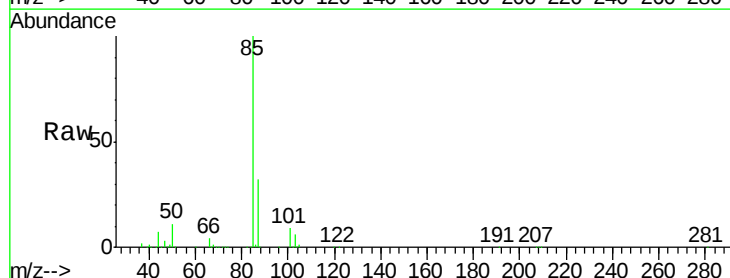
Acq: 19 Jun 2018 15:37

Tgt Ion: 85 Resp: 346824

Ion Ratio Lower Upper

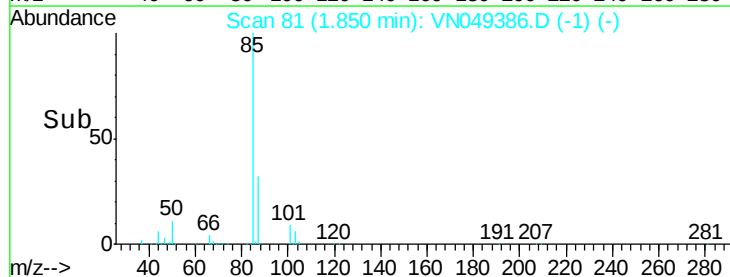
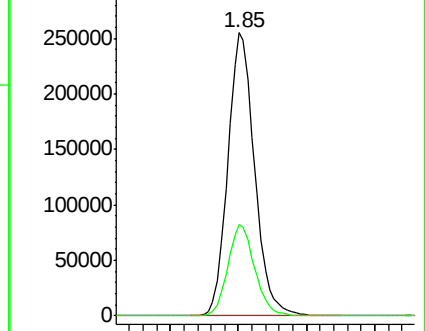
85 100

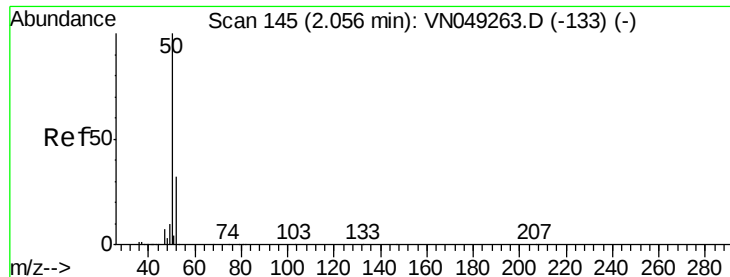
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.635 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 50 Resp: 425909

Ion Ratio Lower Upper

50 100

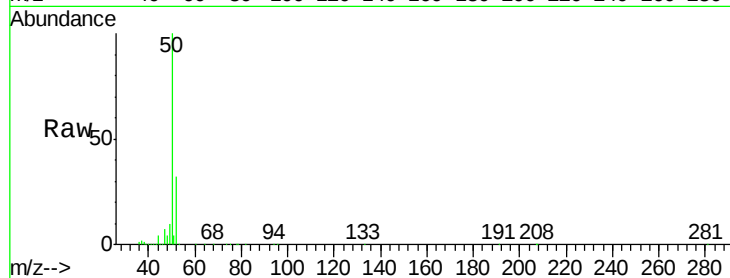
52 32.1 25.2 37.8

Manual Integrations

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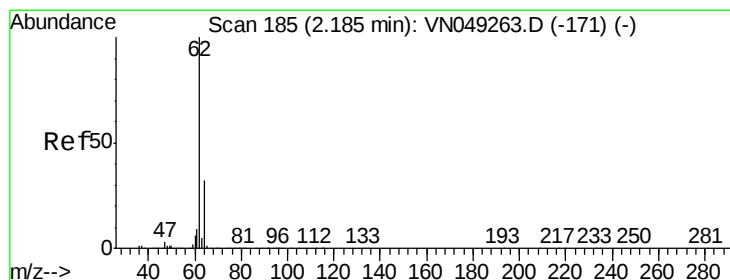
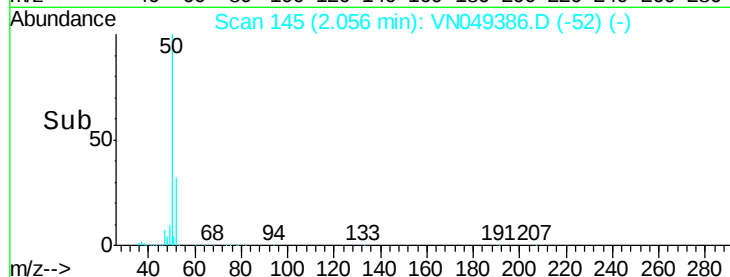
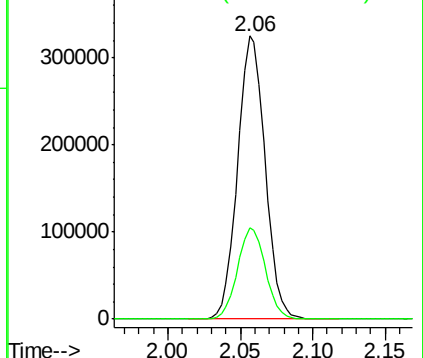
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.967 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049386.D

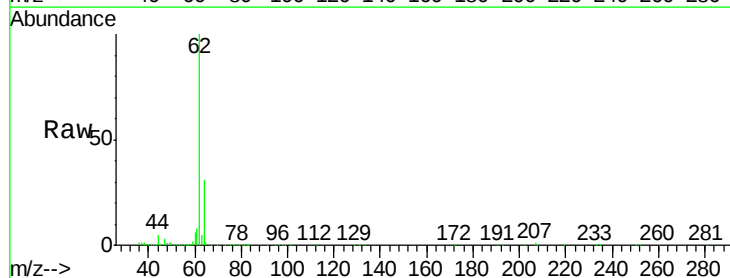
Acq: 19 Jun 2018 15:37

Tgt Ion: 62 Resp: 460719

Ion Ratio Lower Upper

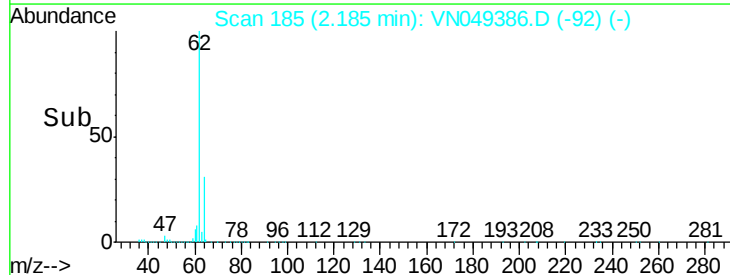
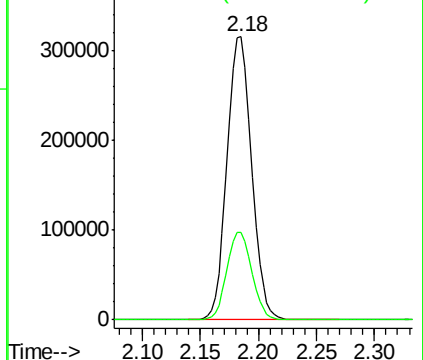
62 100

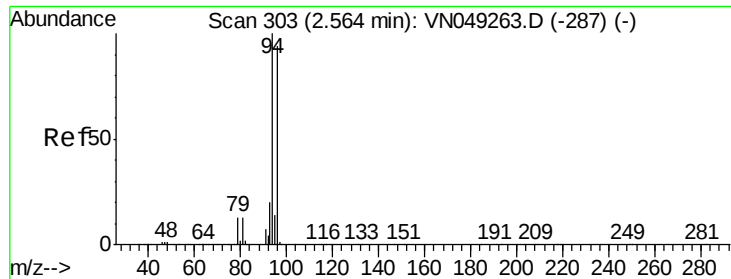
64 30.9 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.460 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

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Acq: 19 Jun 2018 15:37

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Tot Ion: 94 Resp: 235722

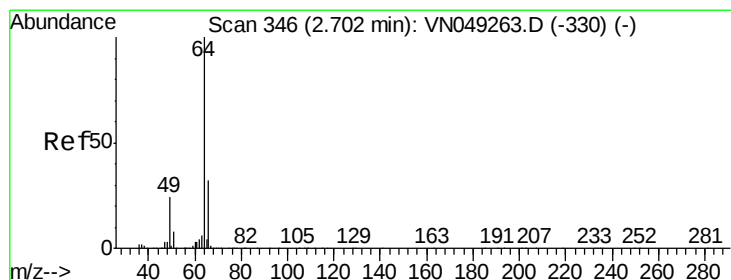
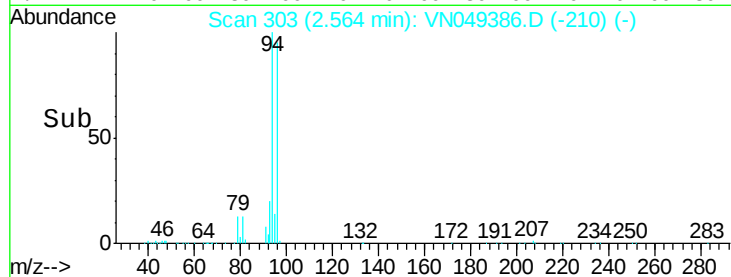
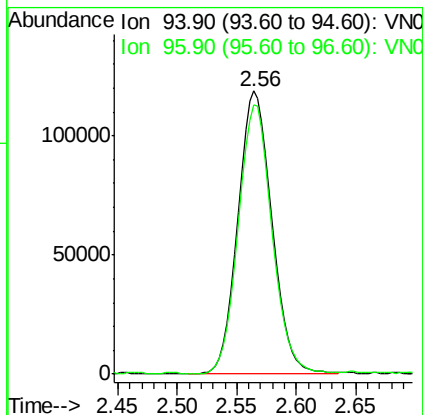
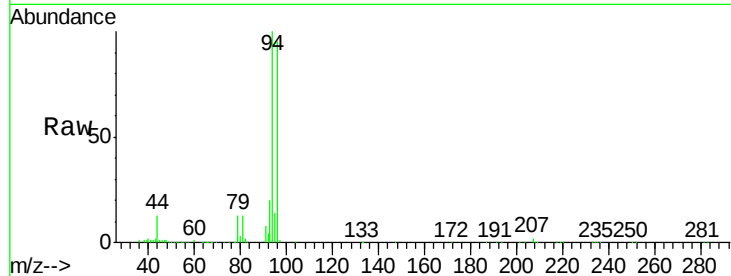
Ion Ratio Lower Upper

94 100

96 94.9 72.8 109.2

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#6

Chloroethane

Concen: 19.733 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049386.D

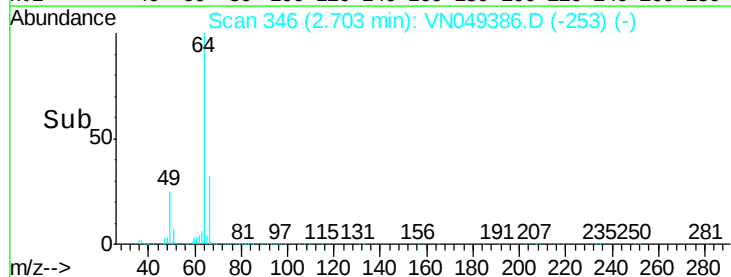
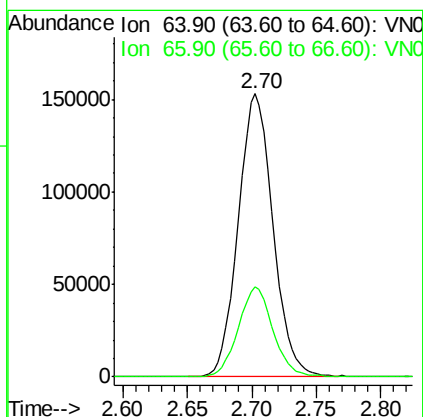
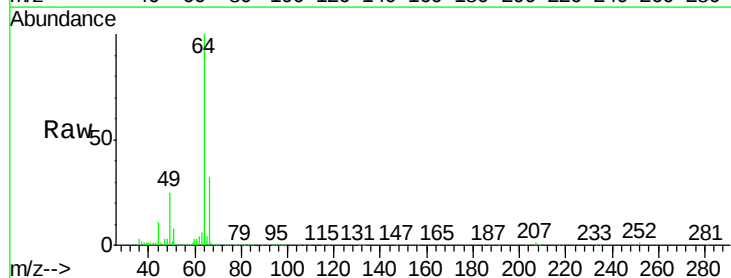
Acq: 19 Jun 2018 15:37

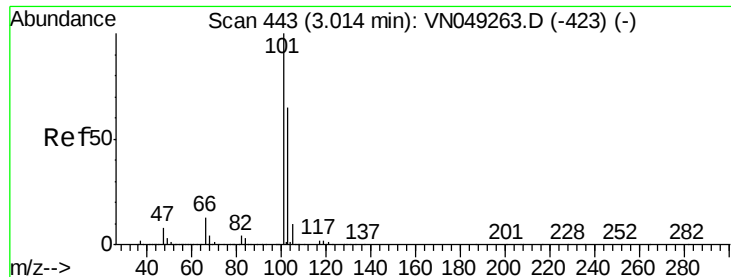
Tgt Ion: 64 Resp: 285794

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4





#7

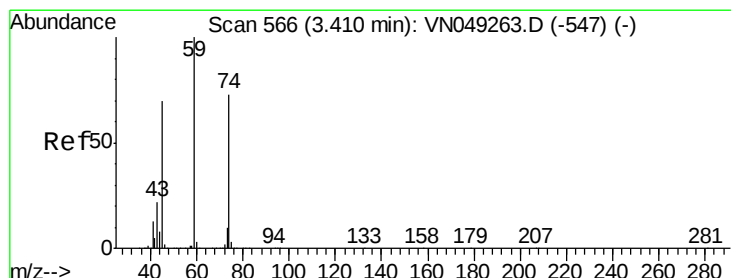
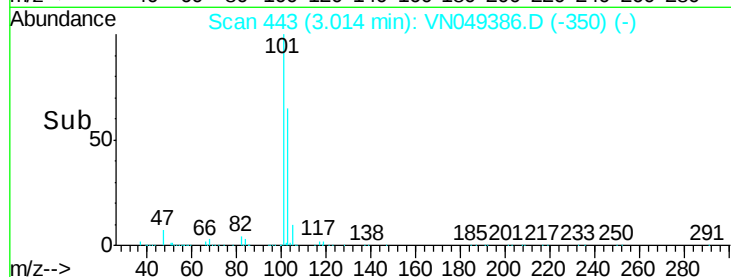
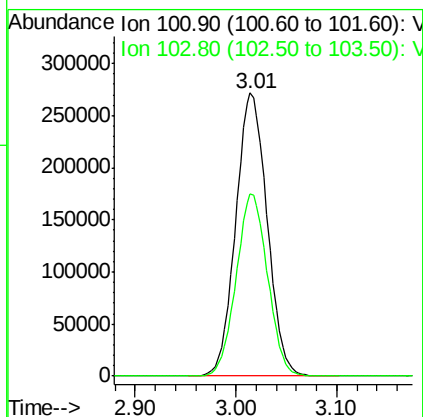
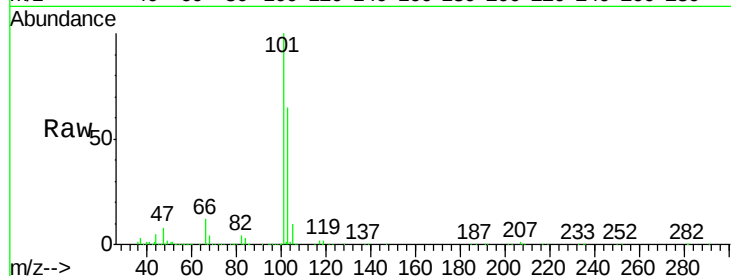
Trichlorofluoromethane
Concen: 19.328 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

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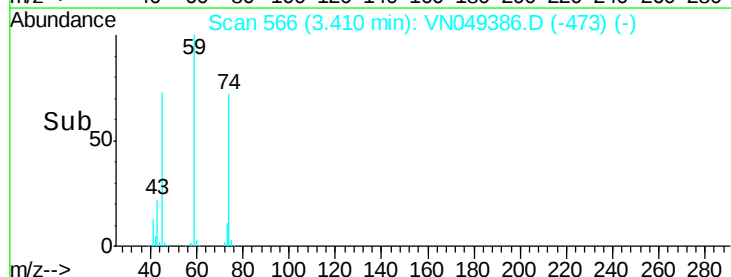
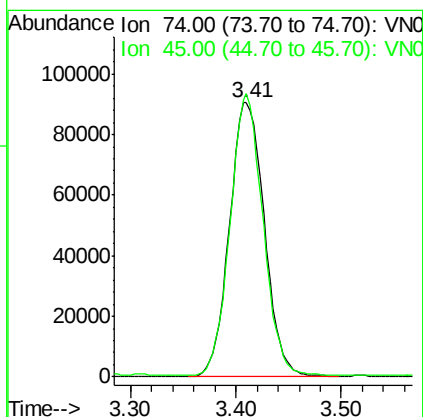
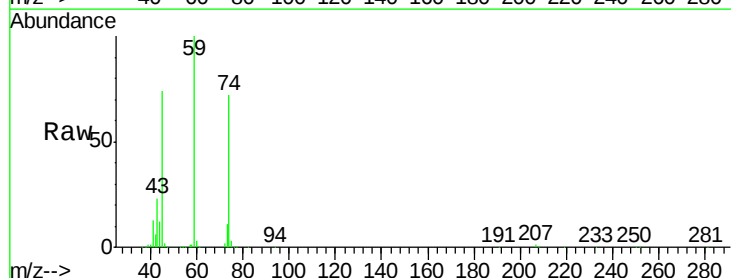
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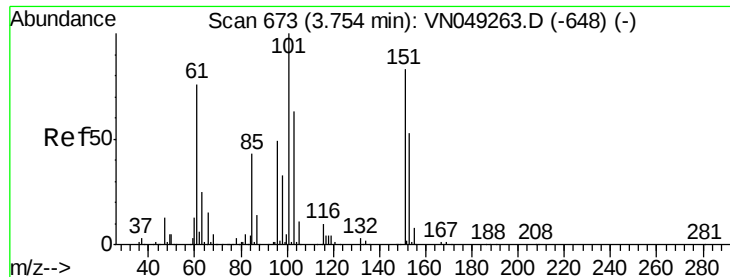


#8

Diethyl Ether
Concen: 19.695 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.969 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

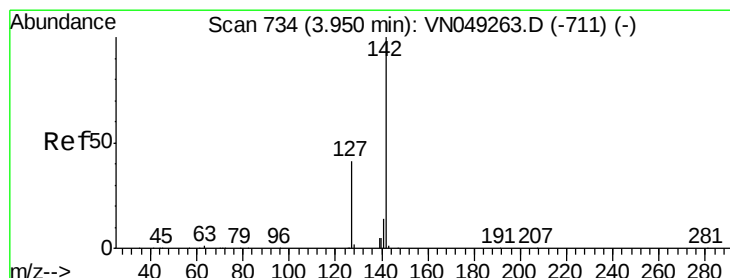
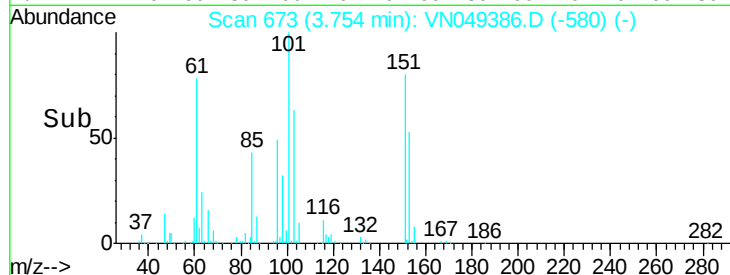
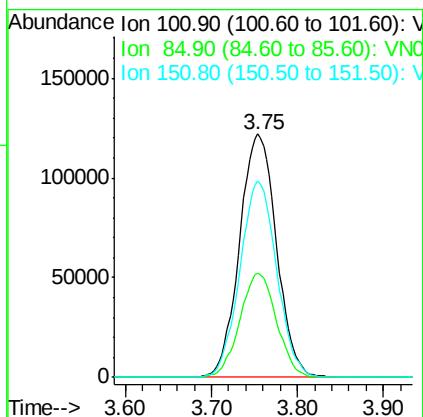
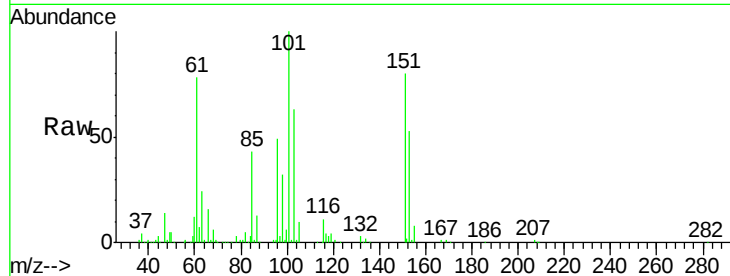
ClientSampleId :

VN0619WBS01

Tot Ion:	101	Resp:	364582
Ion Ratio	Lower	Upper	
101	100		
85	42.4	37.6	56.4
151	80.3	61.1	91.7

Manual Integrations
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6/20/2018 4:54:00 PM



#10

Methyl Iodide

Concen: 16.603 ug/l

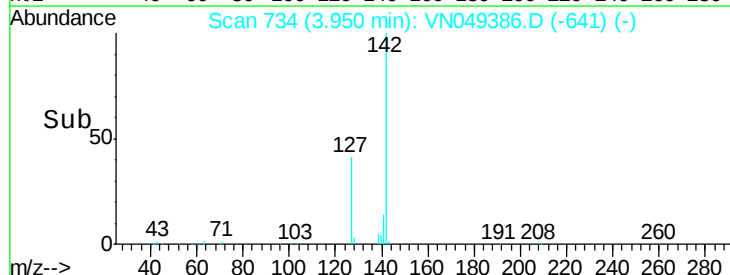
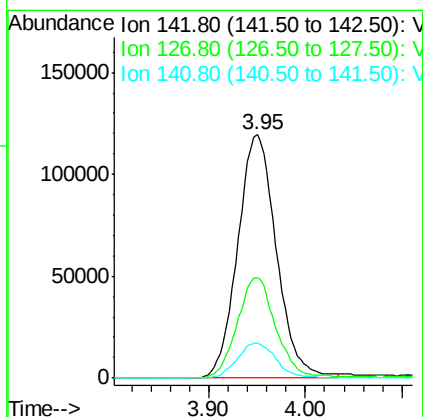
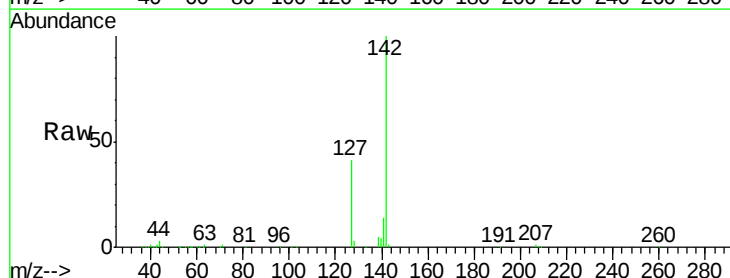
RT: 3.95 min Scan# 734

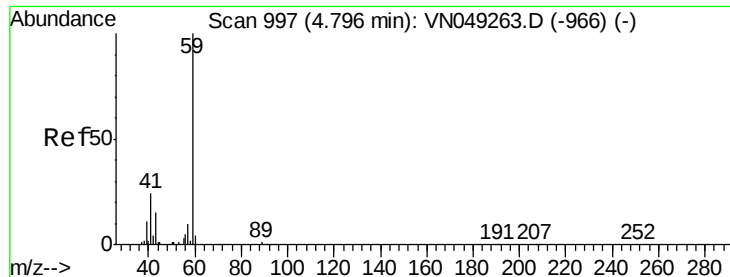
Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Tgt Ion:	142	Resp:	332197
Ion Ratio	Lower	Upper	
142	100		
127	41.3	38.2	57.4
141	14.5	11.9	17.9





#11

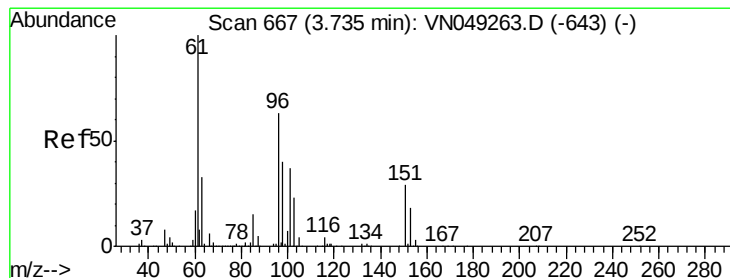
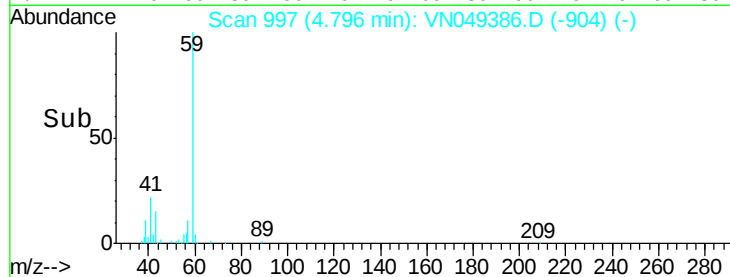
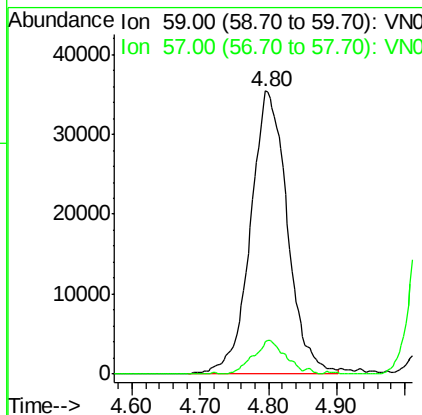
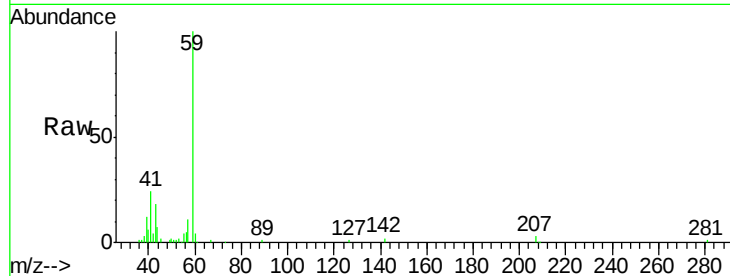
Tert butyl alcohol
Concen: 111.013 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampled :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	9.0	13.6

Manual Integrations
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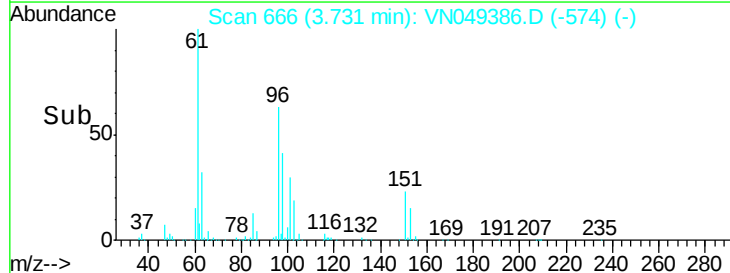
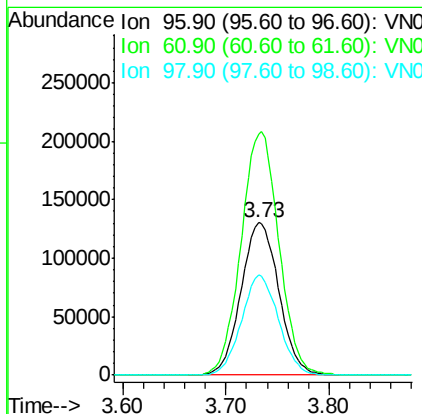
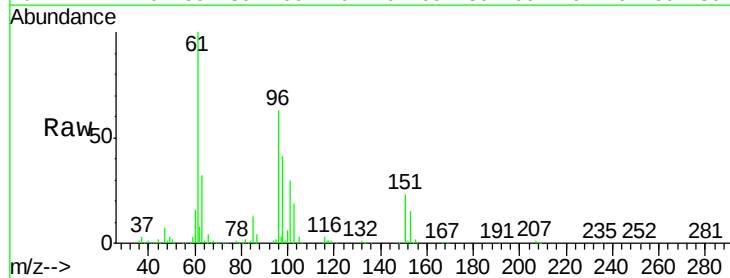
MMDadoda
6/20/2018 4:54:00 PM

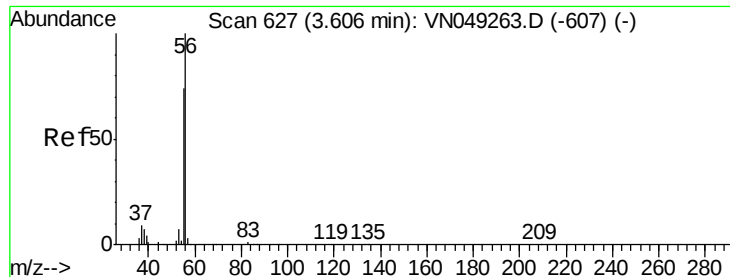


#12

1,1-Dichloroethene
Concen: 18.732 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.4	141.0	211.4
98	65.5	50.4	75.6





#13

Acrolein

Concen: 153.949 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 56 Resp: 193262

Ion Ratio Lower Upper

56 100

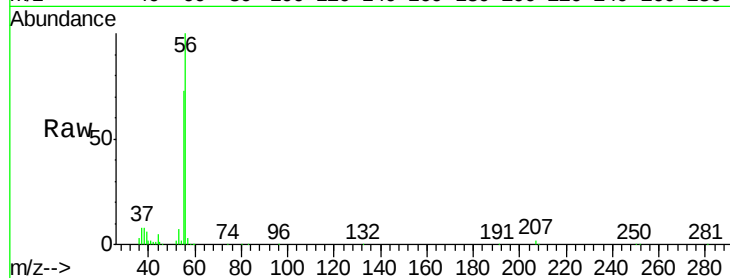
55 71.9 57.1 85.7

Manual Integrations

APPROVED

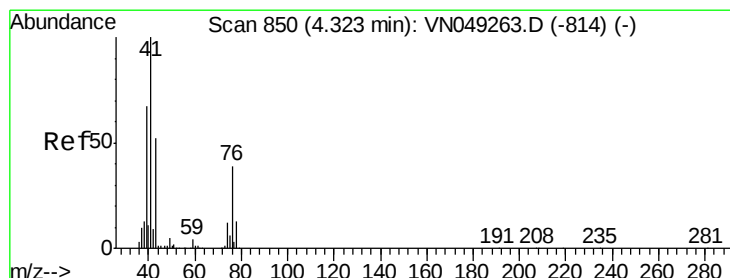
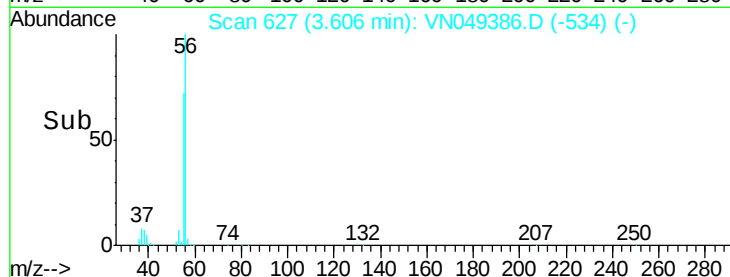
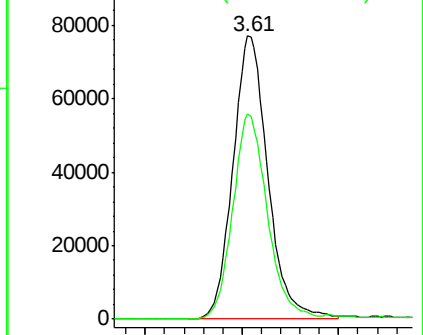
MMDadoda

6/20/2018 4:54:00 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.908 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

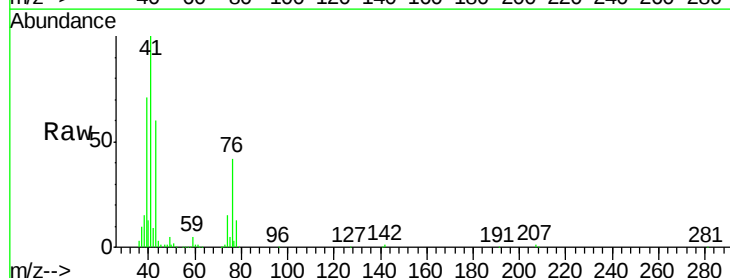
Tgt Ion: 41 Resp: 526404

Ion Ratio Lower Upper

41 100

39 66.8 62.5 93.7

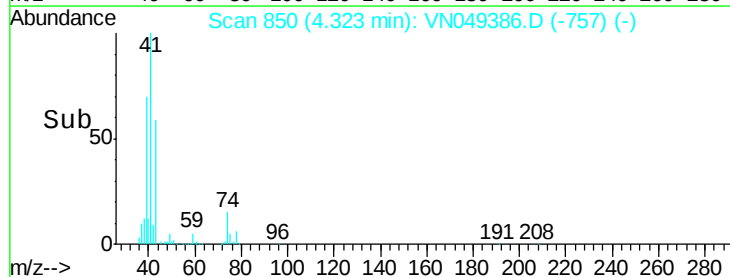
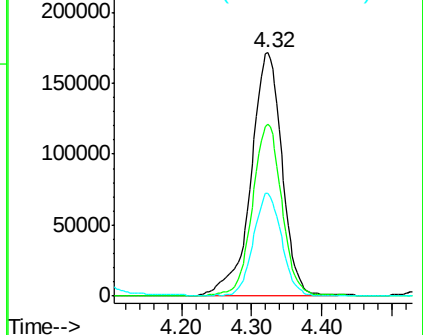
76 37.8 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





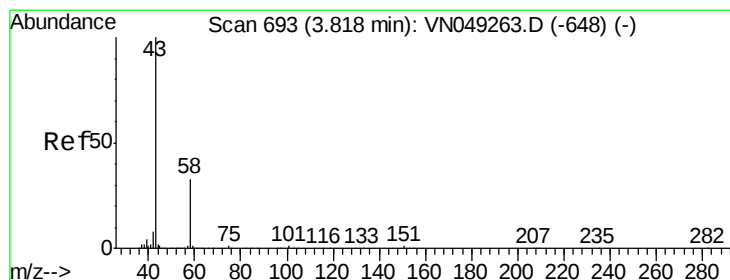
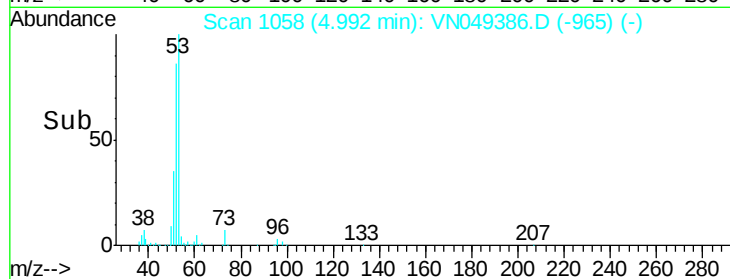
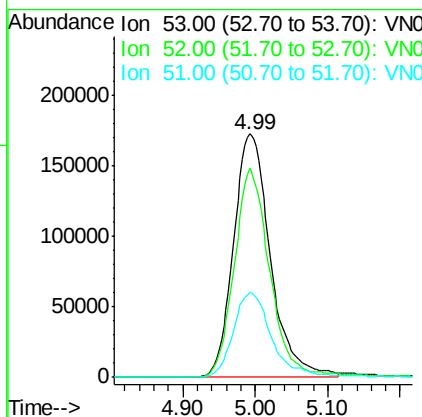
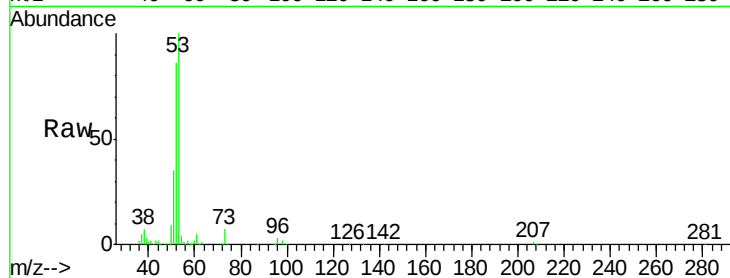
#15
 Acrylonitrile
 Concen: 101.949 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	53	Resp	610247
Ion Ratio	Lower	Upper	
53	100		
52	81.0	66.6	100.0
51	36.3	29.8	44.8

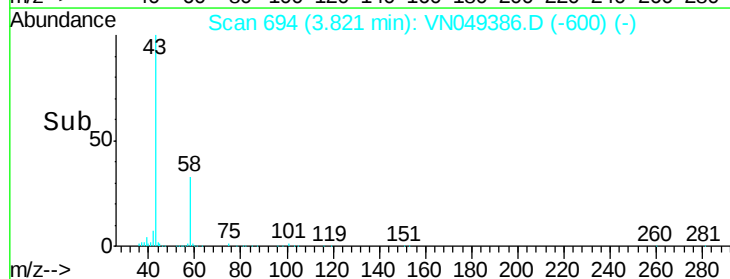
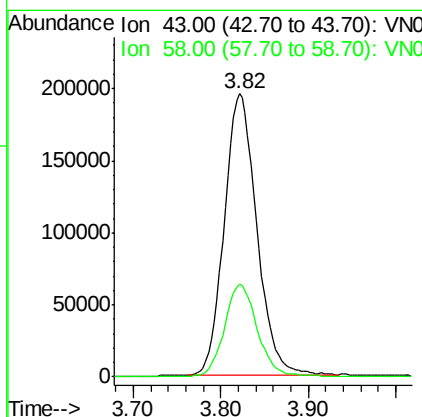
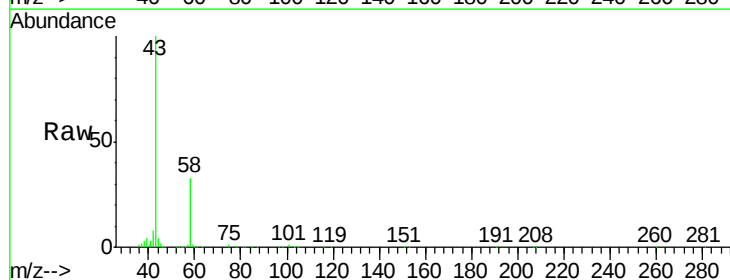
Manual Integrations
 APPROVED

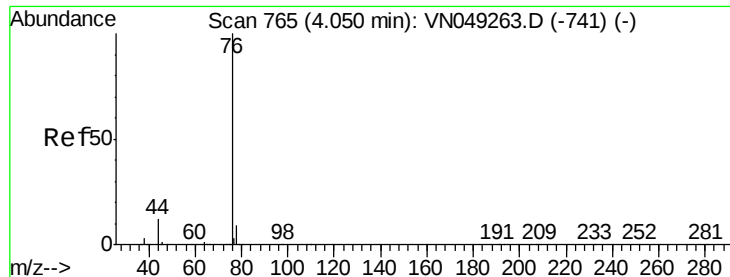
MMDadoda
 6/20/2018 4:54:00 PM



#16
 Acetone
 Concen: 101.264 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Tgt Ion	43	Resp	501479
Ion Ratio	Lower	Upper	
43	100		
58	32.6	22.4	33.6





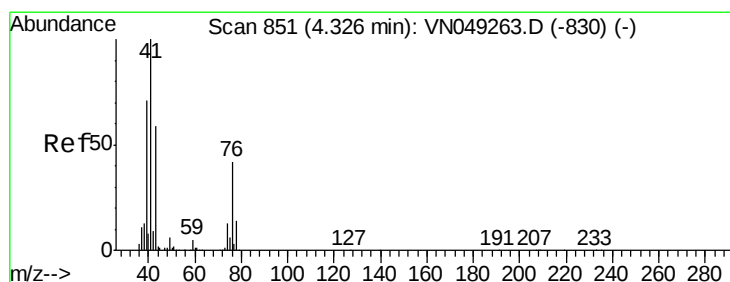
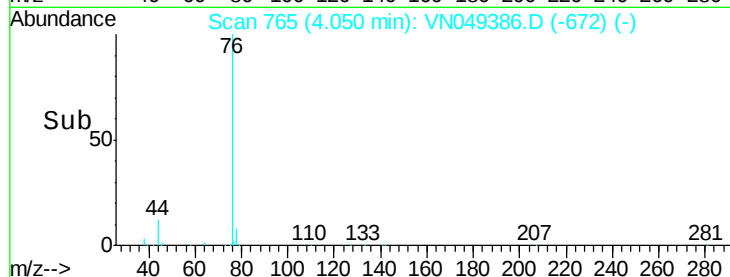
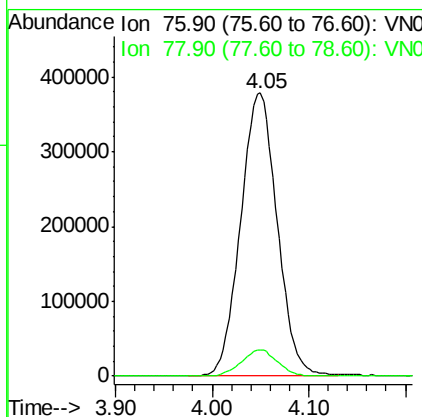
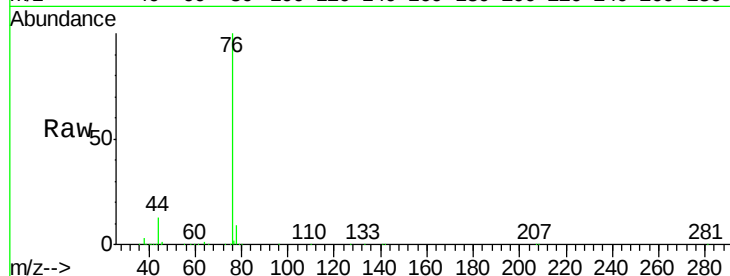
#17
Carbon Disulfide
Concen: 18.009 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

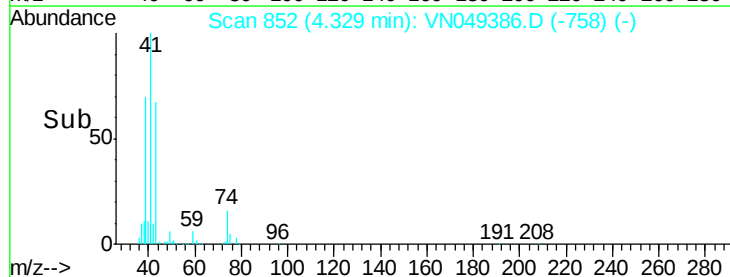
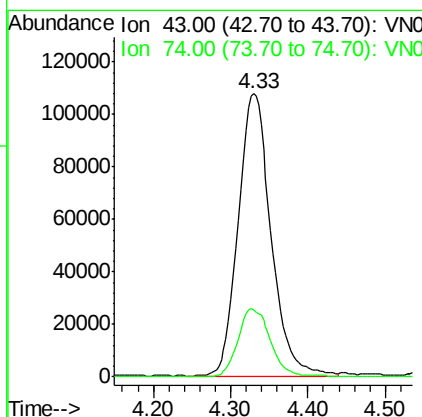
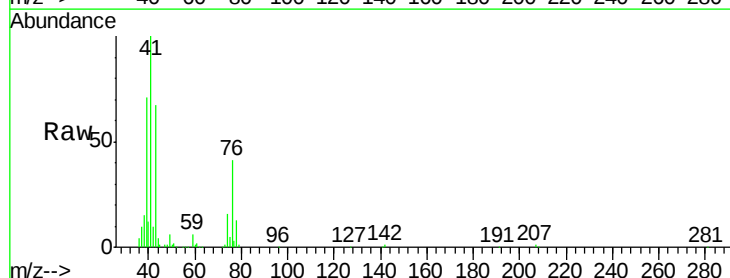
Manual Integrations
APPROVED

MMDadoda
6/20/2018 4:54:00 PM



#18
Methyl Acetate
Concen: 21.044 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.4	26.0





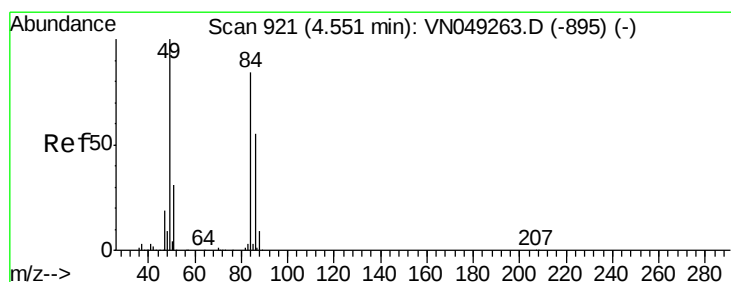
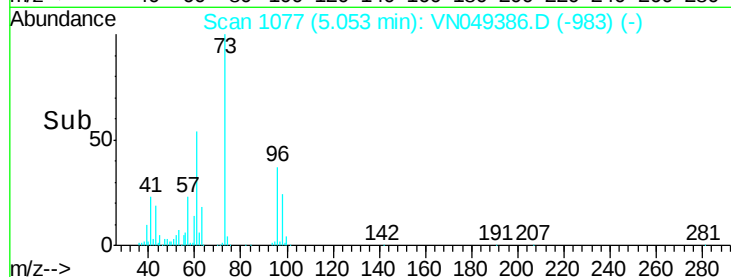
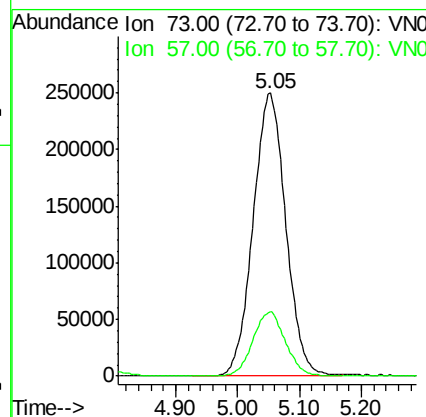
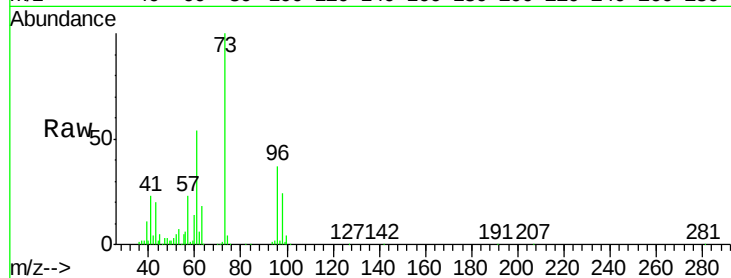
#19
Methvl tert-butvl Ether
Concen: 20.398 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 73 Resp: 916966
Ion Ratio Lower Upper
73 100
57 22.9 18.2 27.4

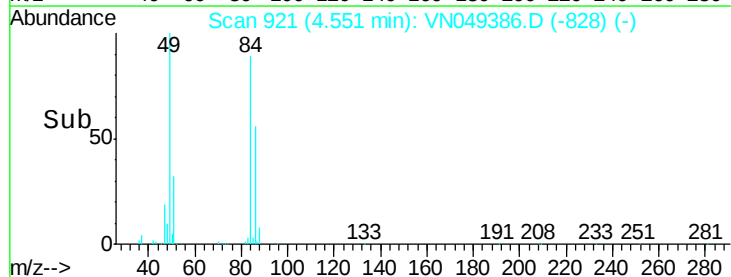
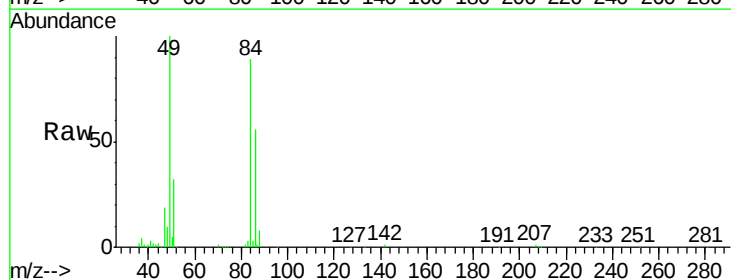
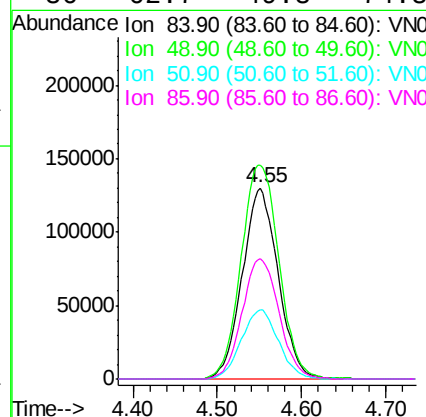
Manual Integrations
APPROVED

MMDadoda
6/20/2018 4:54:00 PM



#20
Methylene Chloride
Concen: 18.601 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion: 84 Resp: 384726
Ion Ratio Lower Upper
84 100
49 111.8 106.9 160.3
51 36.3 32.7 49.1
86 62.7 49.8 74.8





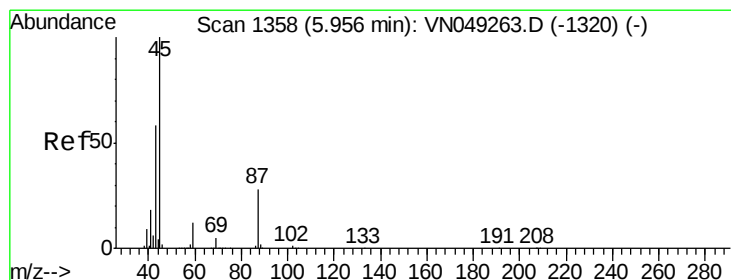
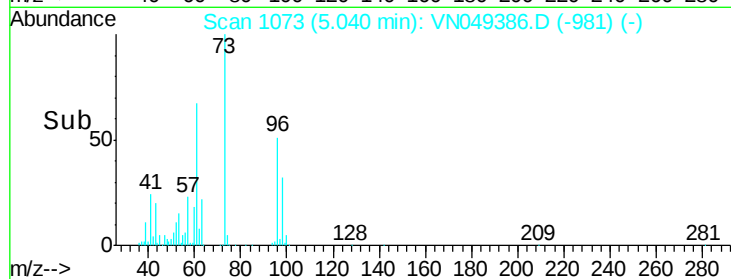
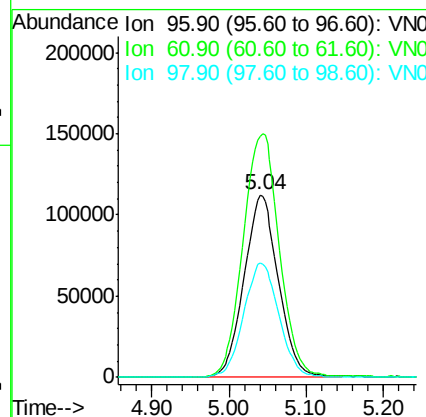
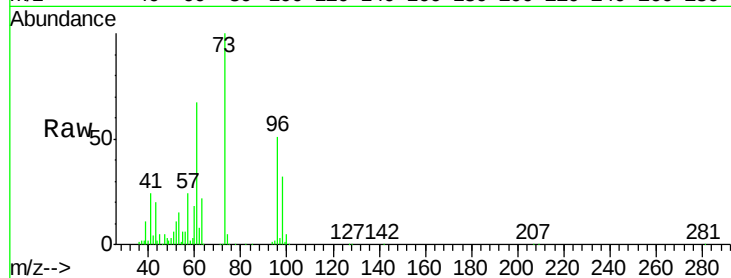
#21
trans-1,2-Dichloroethene
Concen: 18.613 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.3	121.3	181.9
98	62.6	52.0	78.0

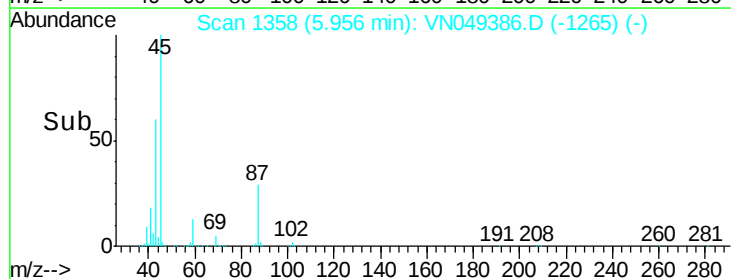
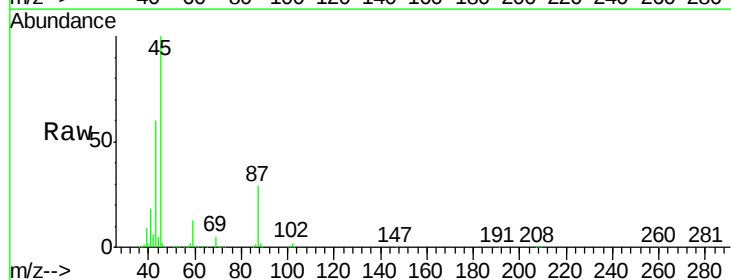
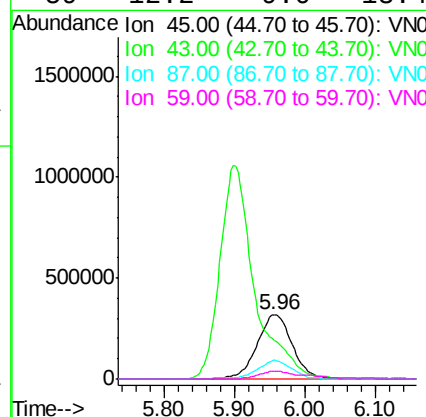
Manual Integrations
APPROVED

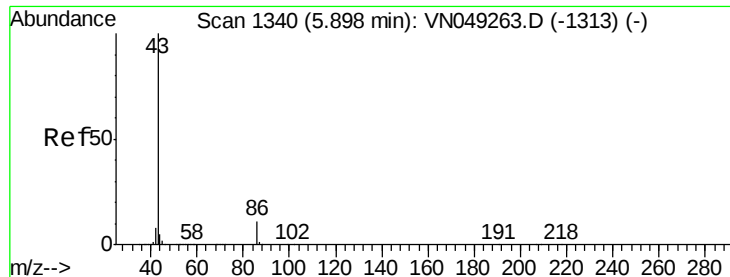
MMDadoda
6/20/2018 4:54:00 PM



#22
Diisopropyl ether
Concen: 19.919 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	48.6	72.8
87	28.5	20.2	30.2
59	12.2	9.0	13.4





#23

Vinyl Acetate

Concen: 100.743 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 43 Resp: 3651208

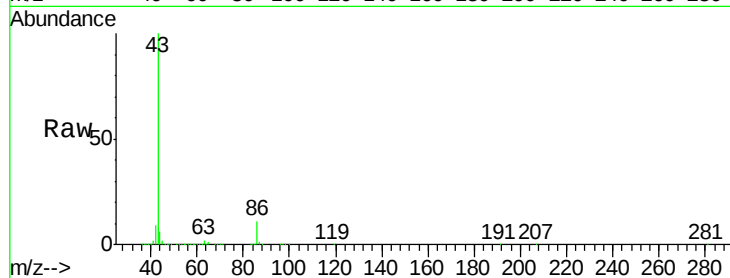
Ion Ratio Lower Upper

43 100

86 10.6 7.2 10.8

Manual Integrations
APPROVED

MMDadoda
6/20/2018 4:54:00 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

1200000

1000000

800000

600000

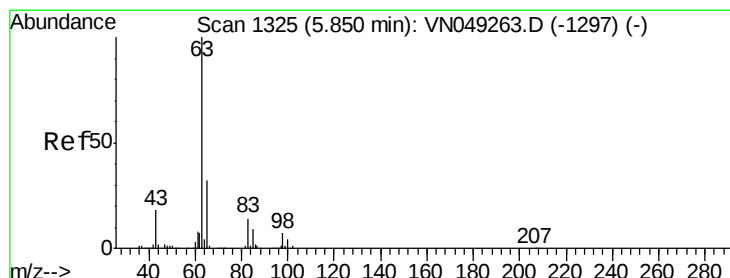
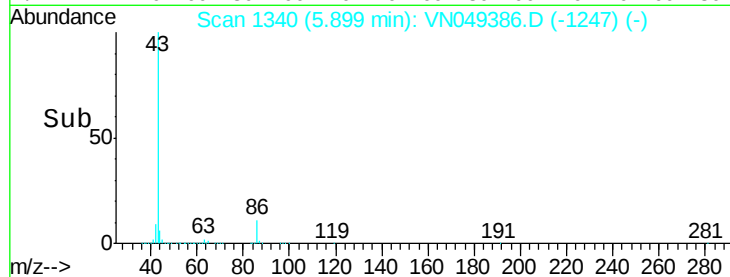
400000

200000

0

Time-->

5.80 6.00 6.20



#24

1,1-Dichloroethane

Concen: 18.754 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

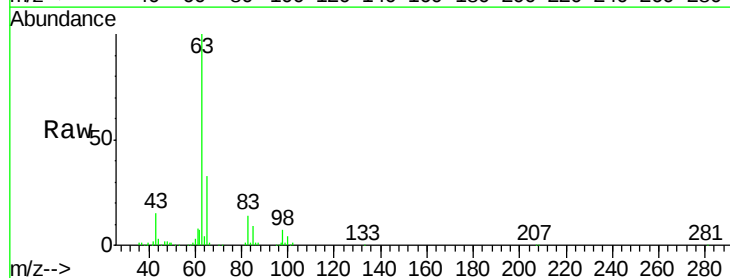
Tgt Ion: 63 Resp: 667315

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

100 3.9 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

150000

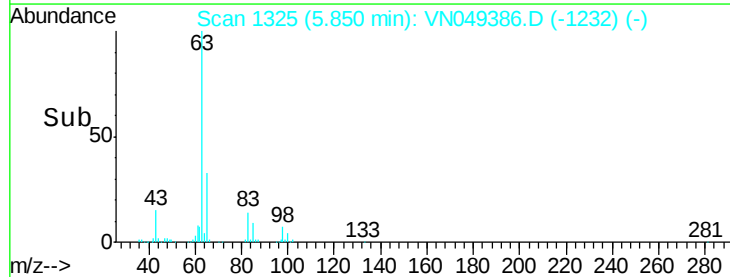
100000

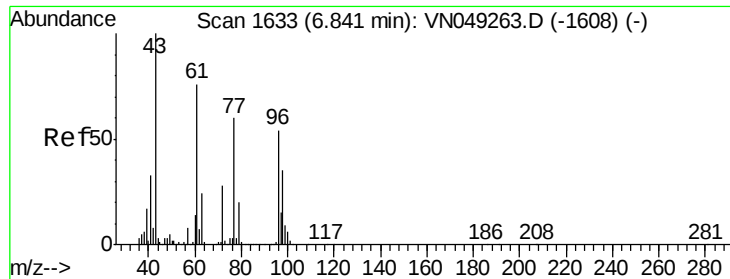
50000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 105.072 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS01

Tot Ion: 43 Resp: 698686

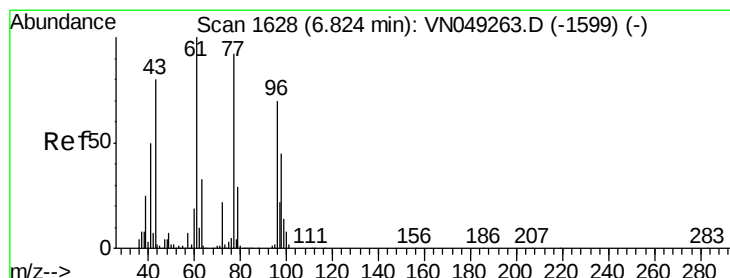
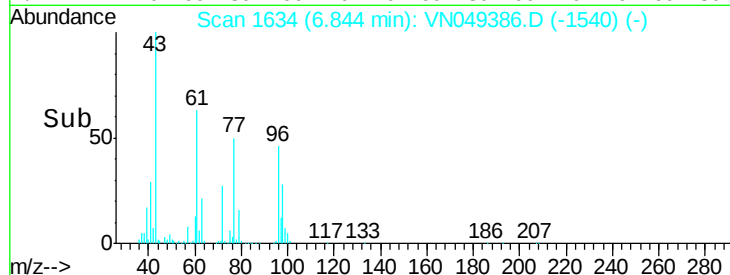
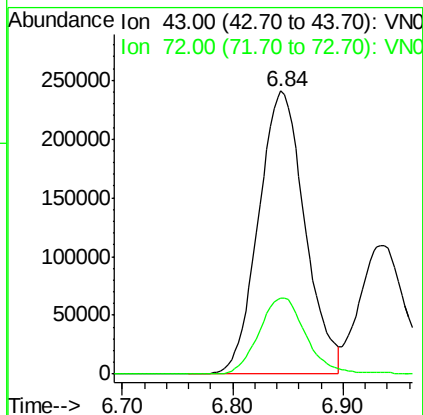
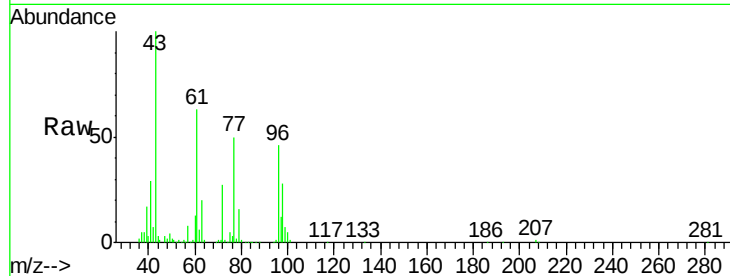
Ion Ratio Lower Upper

43 100

72 26.8 20.2 30.2

Manual Integrations
APPROVED

MMDadoda
6/20/2018 4:54:00 PM



#26

2,2-Dichloropropane

Concen: 18.788 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049386.D

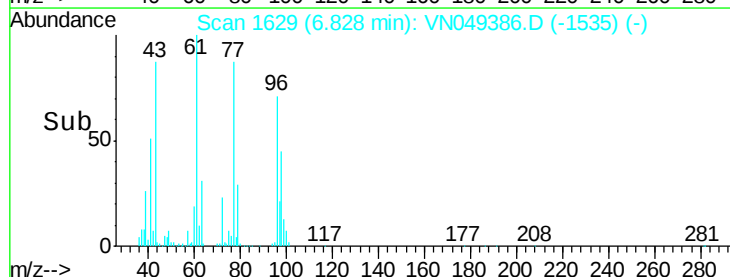
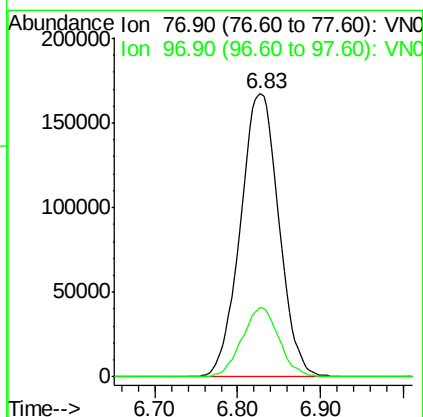
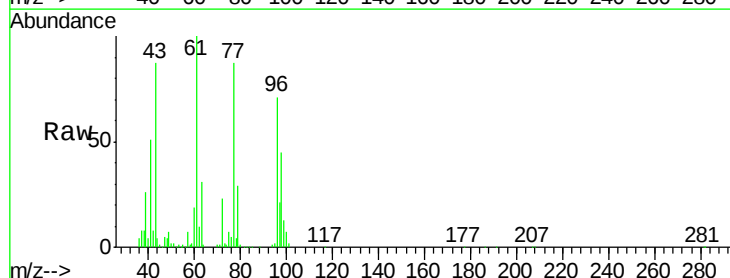
Acq: 19 Jun 2018 15:37

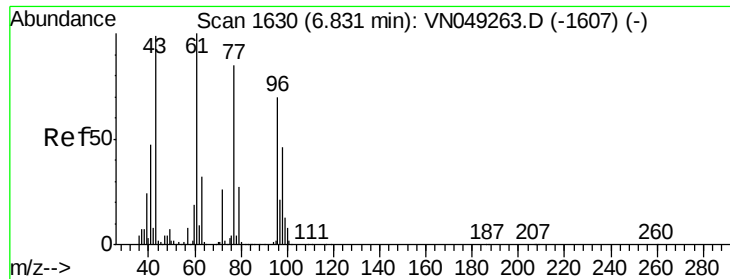
Tgt Ion: 77 Resp: 539919

Ion Ratio Lower Upper

77 100

97 23.5 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.276 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

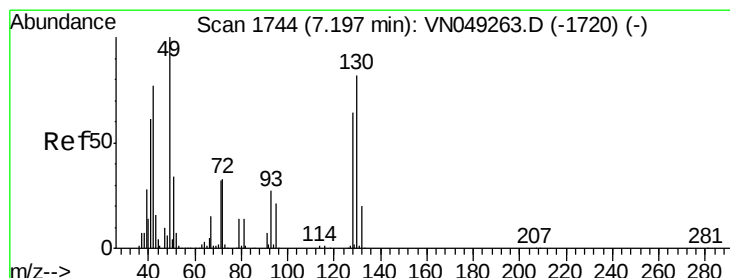
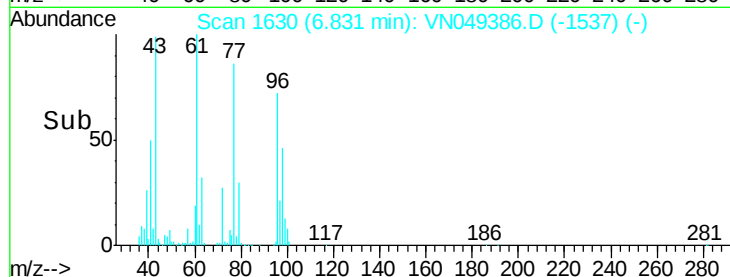
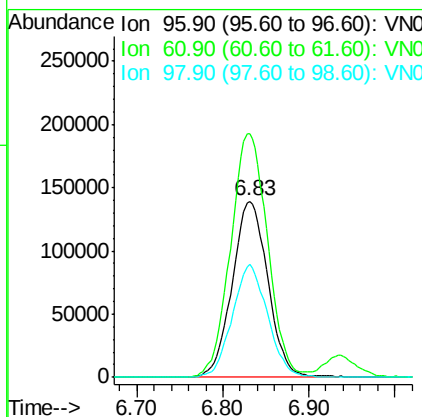
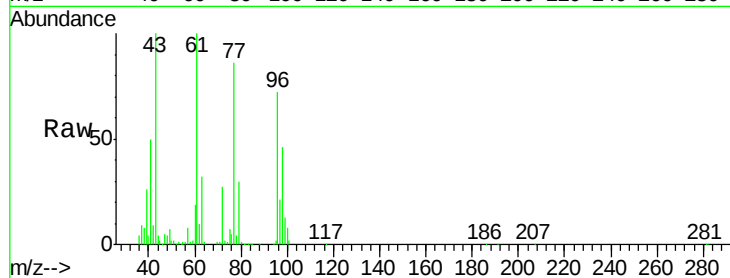
ClientSampleId :

VN0619WBS01

Tot Ion:	96	Resp:	400052
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	316.4
98	63.7	0.0	128.4

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#28

Bromochloromethane

Concen: 18.429 ug/l

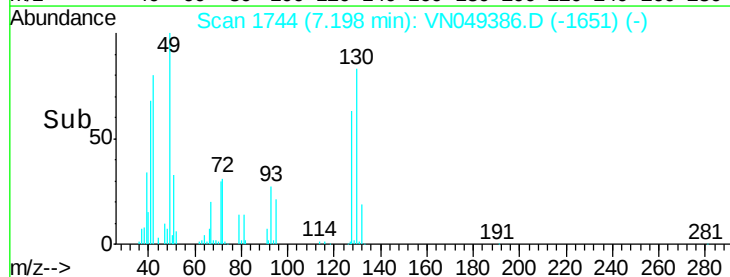
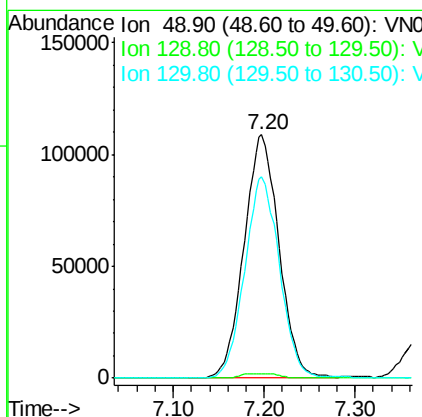
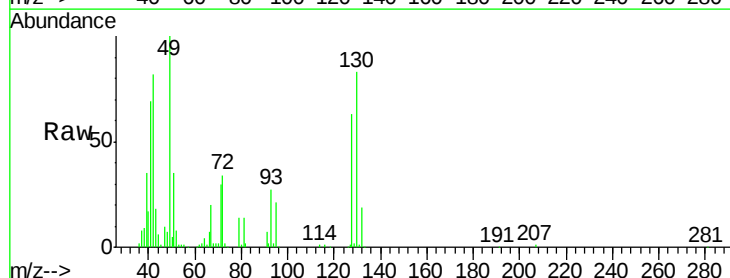
RT: 7.20 min Scan# 1744

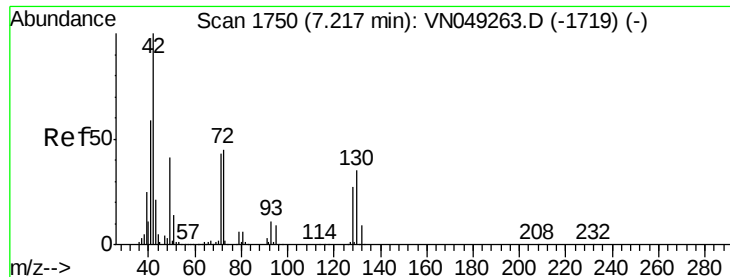
Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Tgt Ion:	49	Resp:	290738
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	82.0	54.9	82.3





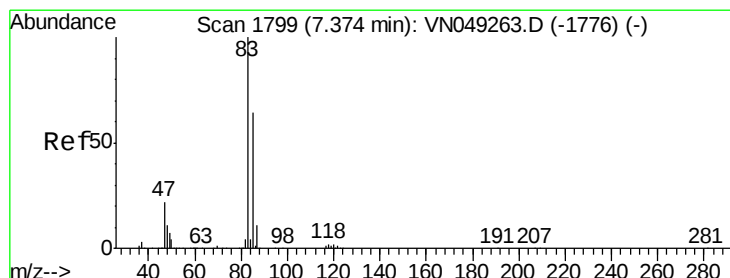
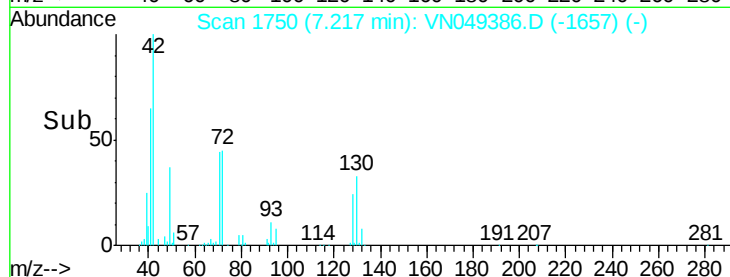
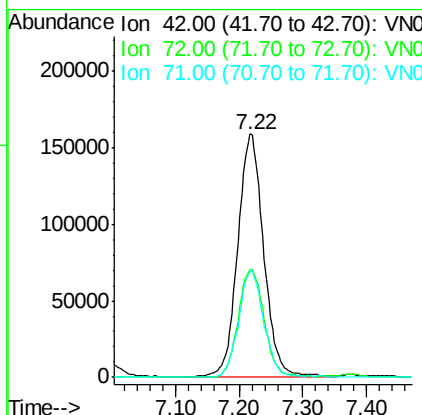
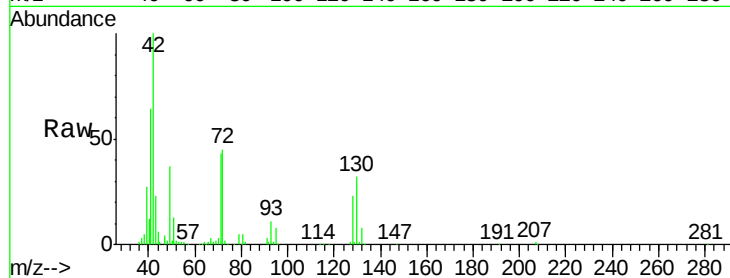
#29
Tetrahydrofuran
Concen: 104.488 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	32.2	48.4
71	42.7	30.5	45.7

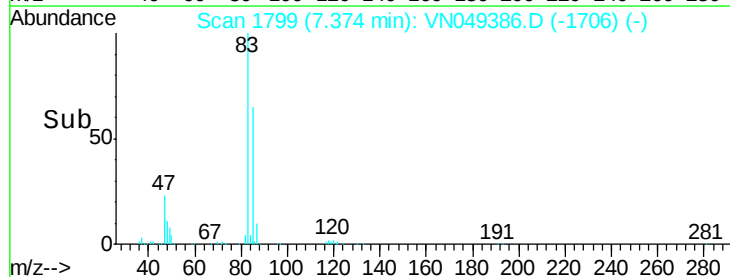
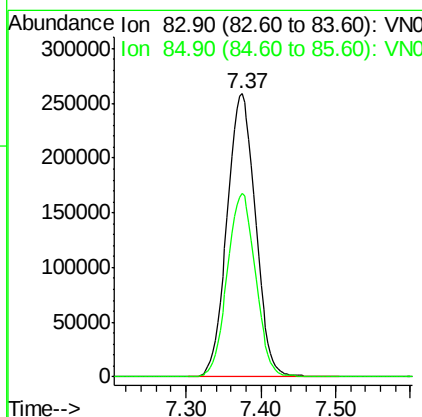
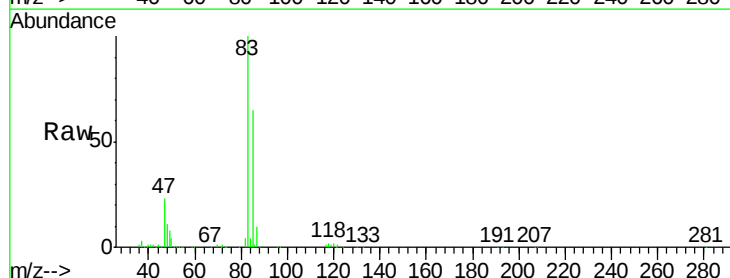
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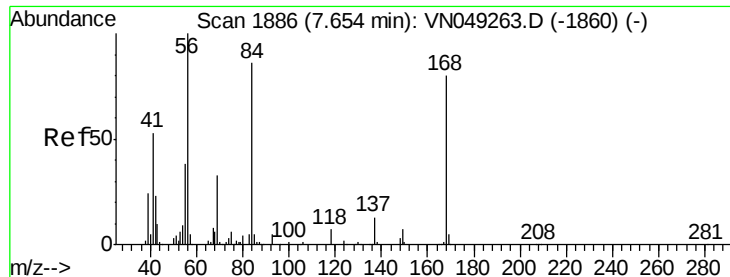
MMDadoda
6/20/2018 4:54:00 PM



#30
Chloroform
Concen: 19.323 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5





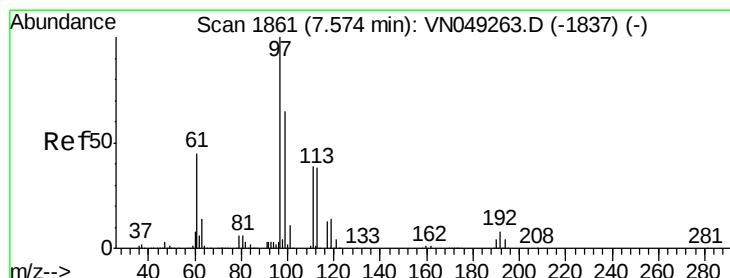
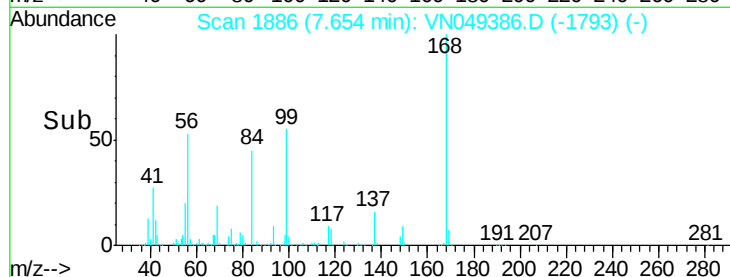
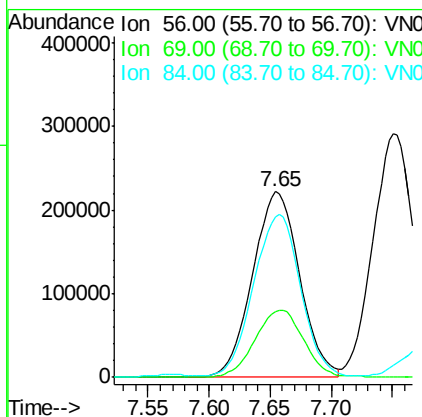
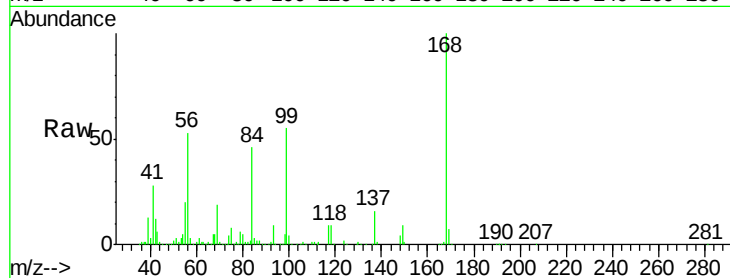
#31
Cyclohexane
Concen: 19.561 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	25.0	37.4
84	85.2	64.6	96.8

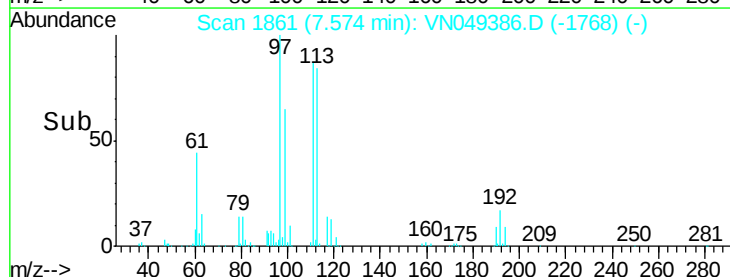
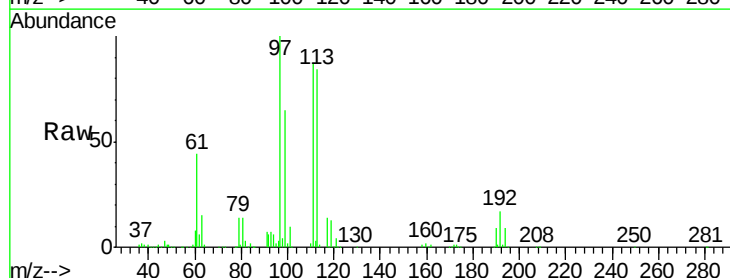
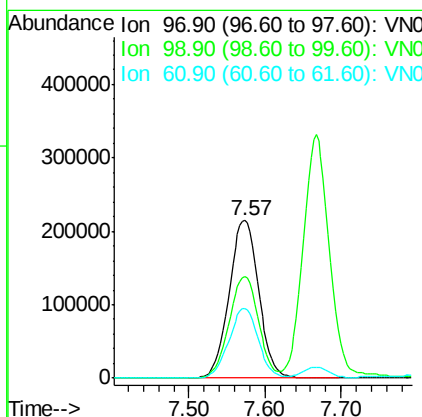
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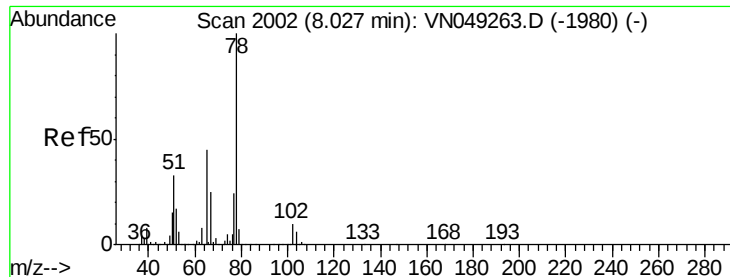
MMDadoda
6/20/2018 4:54:00 PM



#32
1,1,1-Trichloroethane
Concen: 19.239 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.5	75.7
61	43.8	37.9	56.9





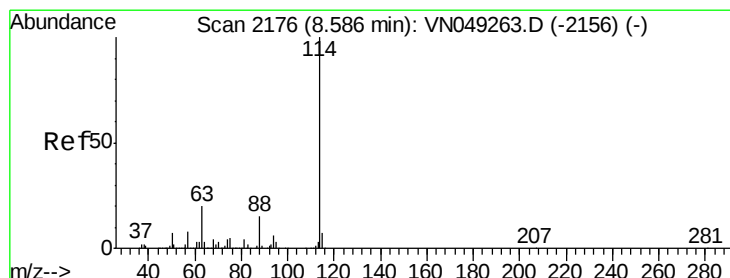
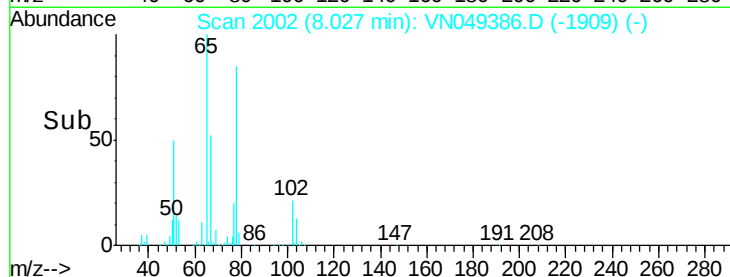
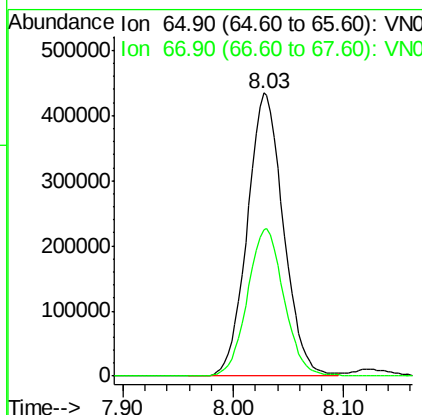
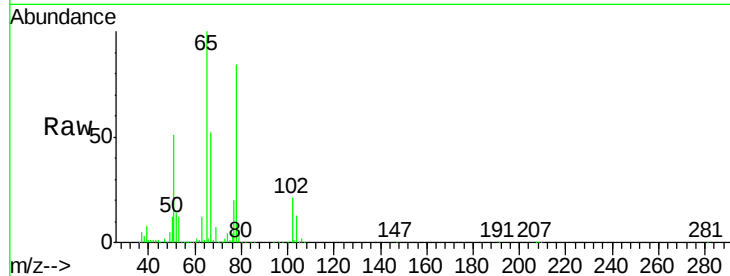
#33
 1,2-Dichloroethane-d4
 Concen: 48.285 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	103.8	

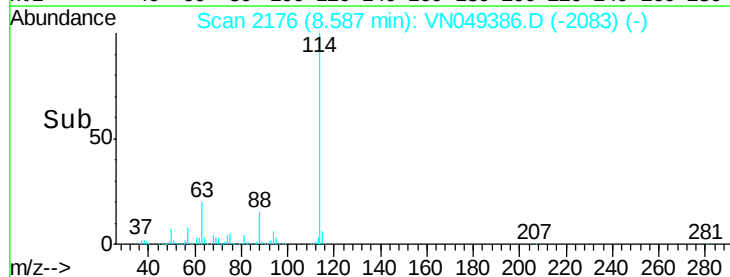
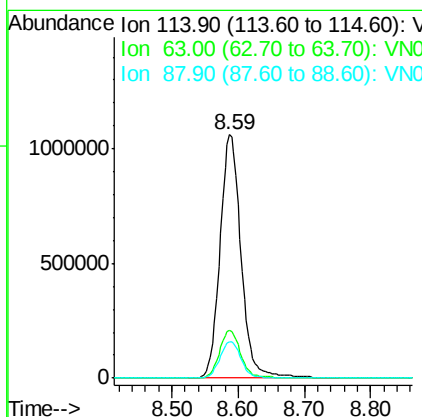
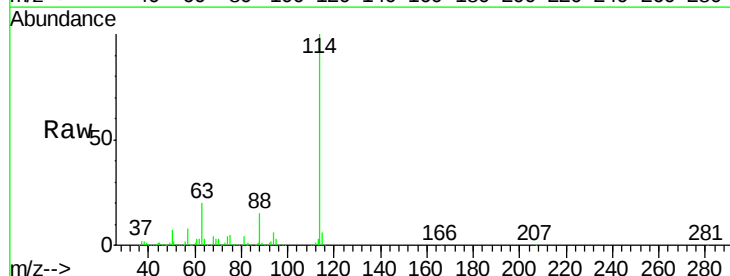
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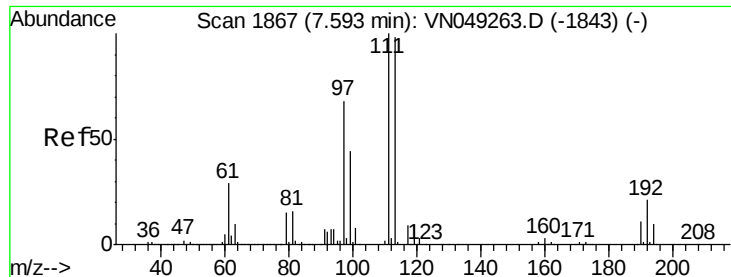
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	44.4	
88	15.0	0.0	31.4	





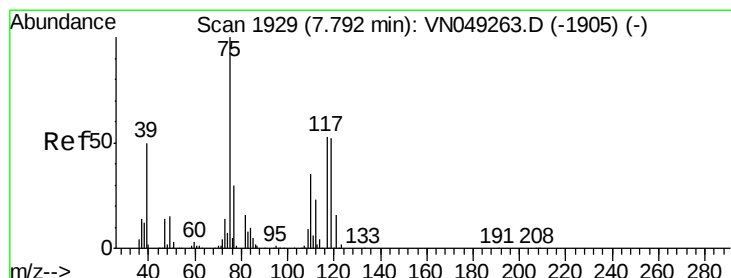
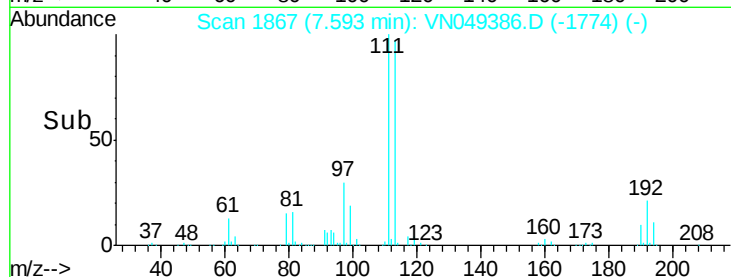
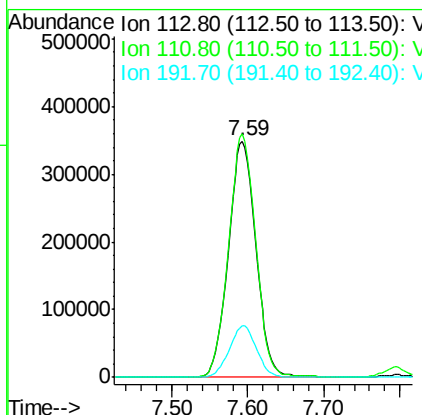
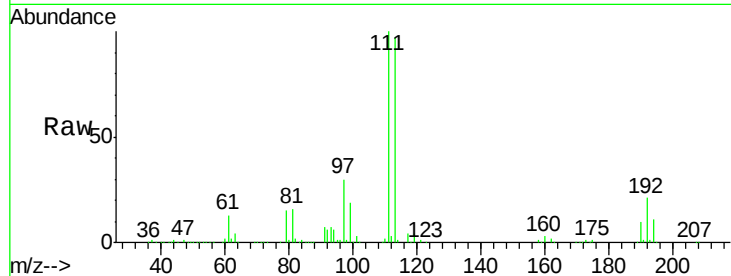
#35
 Dibromofluoromethane
 Concen: 46.544 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	82.4	123.6	
192	21.7	15.0	22.6	

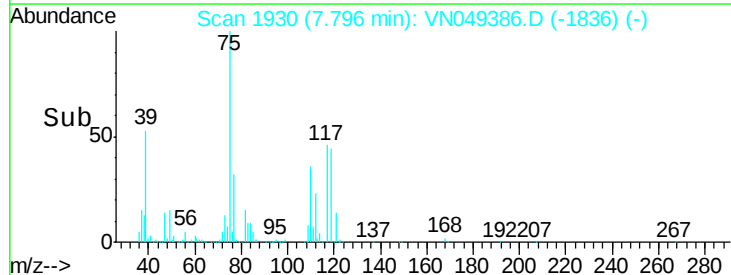
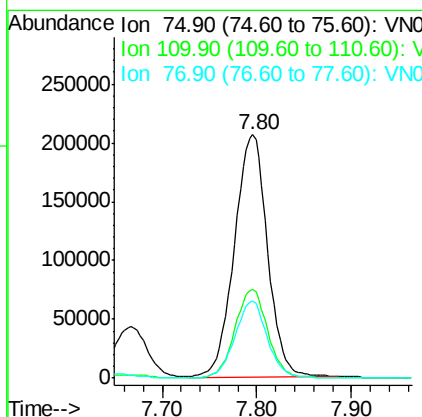
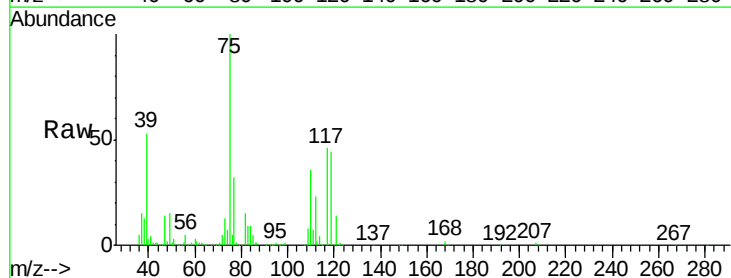
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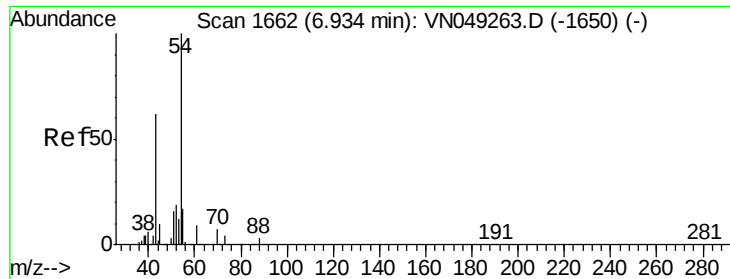
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 18.784 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	17.0	50.9	
77	31.3	24.4	36.6	





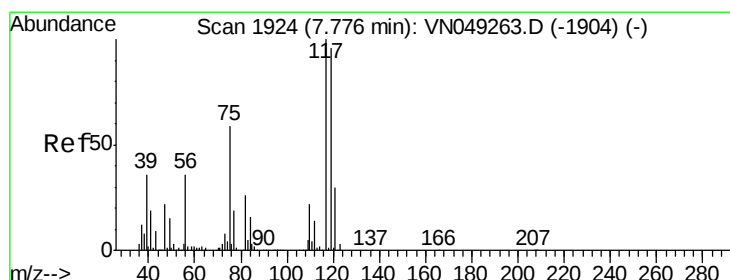
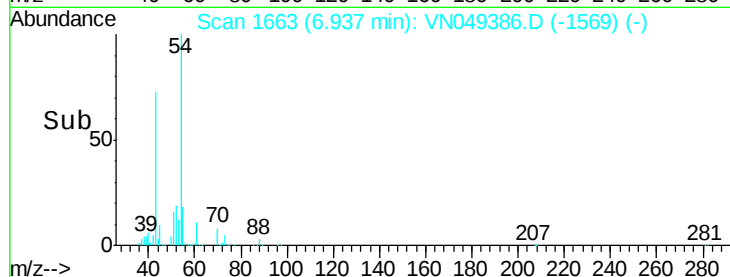
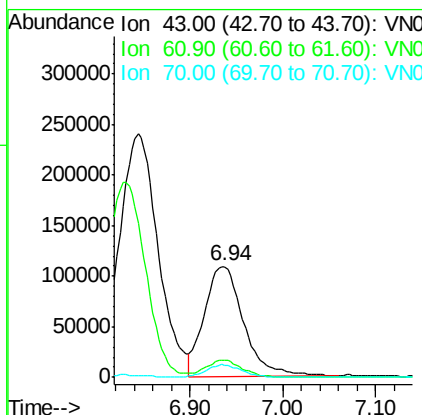
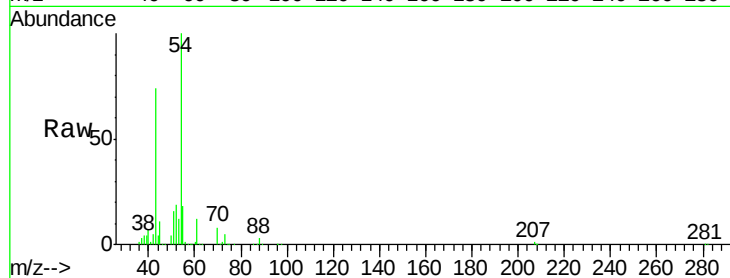
#37
Ethyl Acetate
Concen: 21.828 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	10.2	7.2	10.8

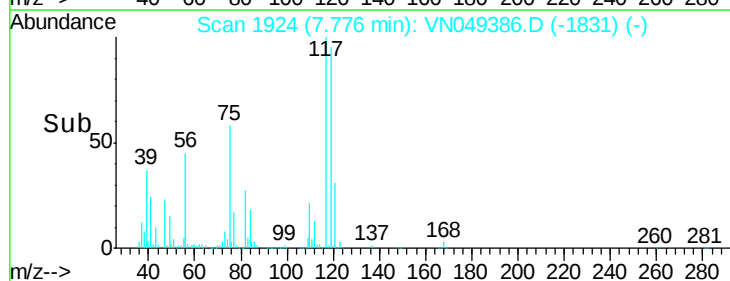
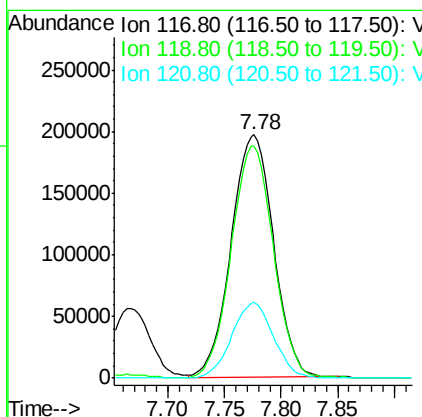
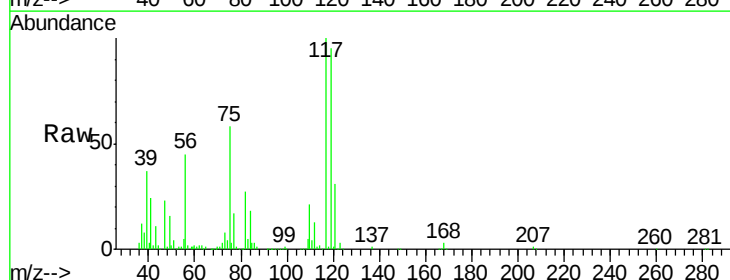
Manual Integrations
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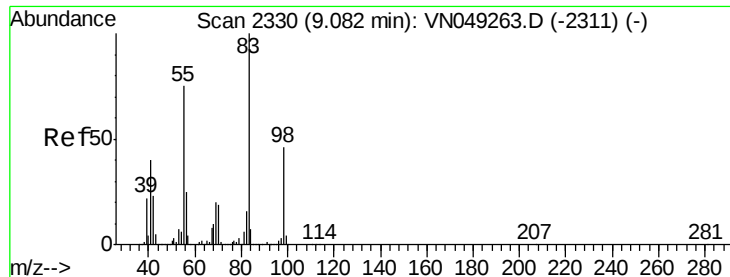
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#38
Carbon Tetrachloride
Concen: 18.493 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.6	113.4
121	31.1	24.7	37.1





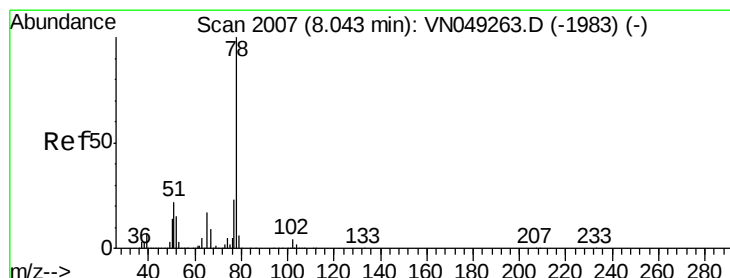
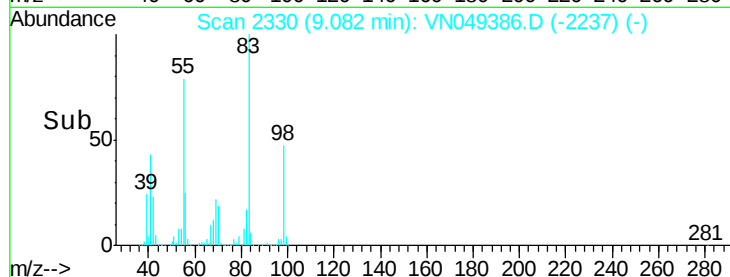
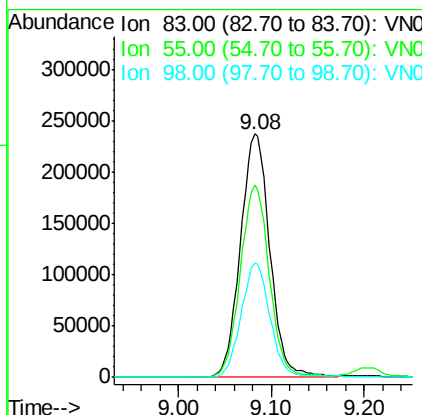
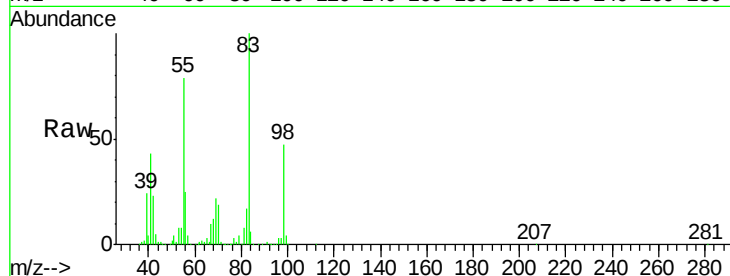
#39
Methvlcvclohexane
Concen: 18.200 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	65.1	97.7
98	47.0	36.5	54.7

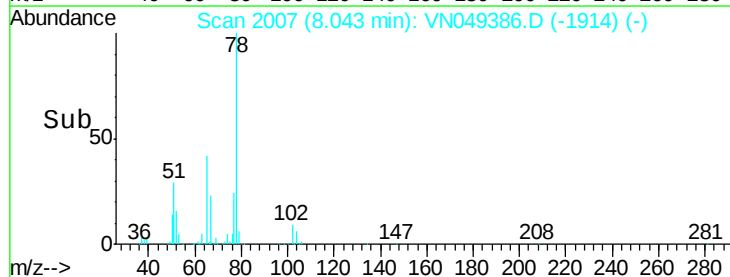
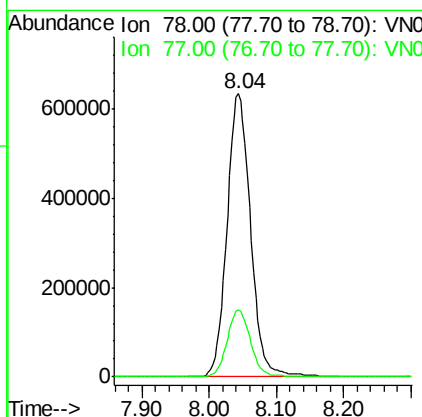
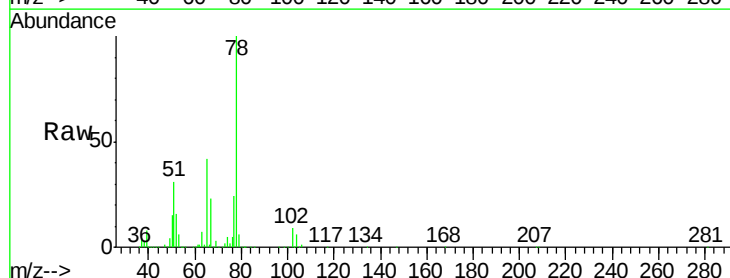
Manual Integrations
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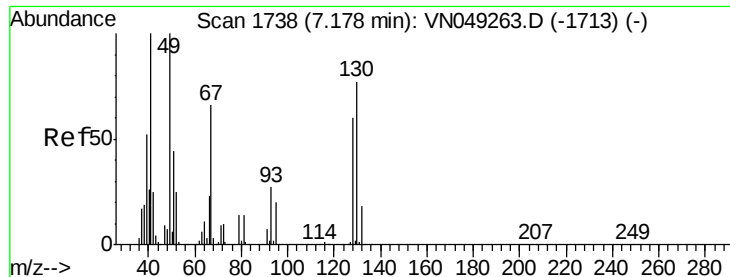
MMDadoda
6/20/2018 4:54:00 PM



#40
Benzene
Concen: 18.800 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





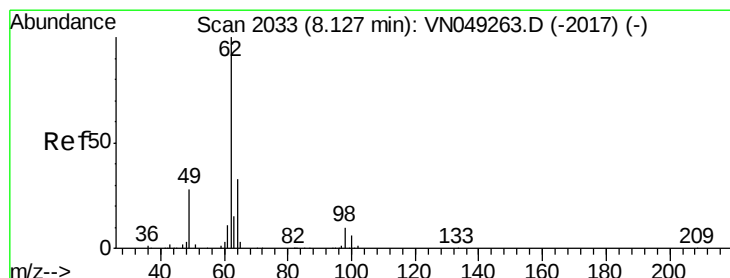
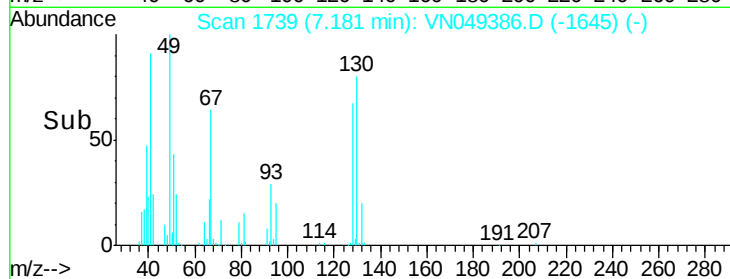
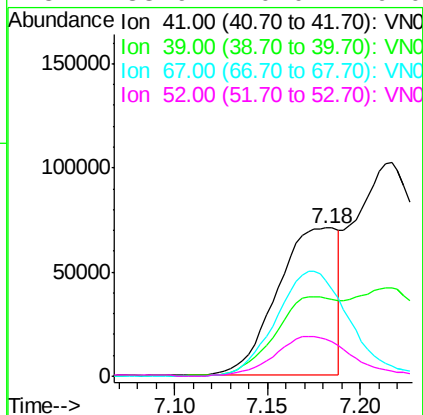
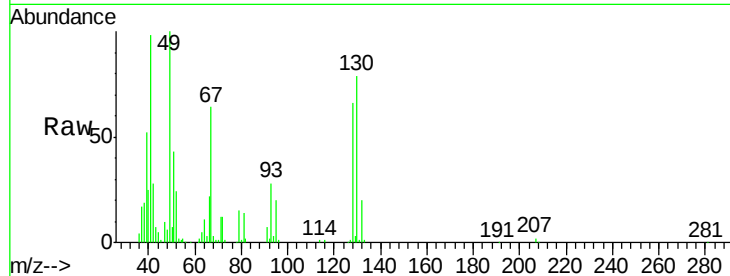
#41
Methacrylonitrile
Concen: 20.395 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.9	0.0	0.0#		
67	88.1	0.0	0.0#		
52	33.9	0.0	0.0#		

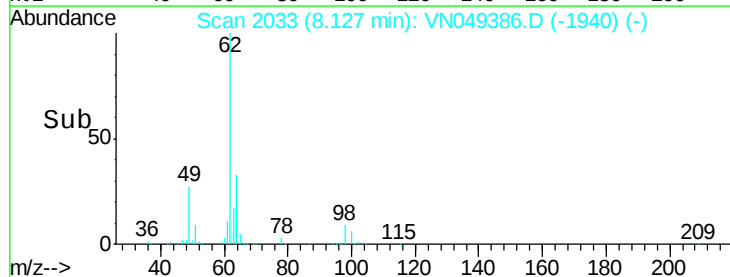
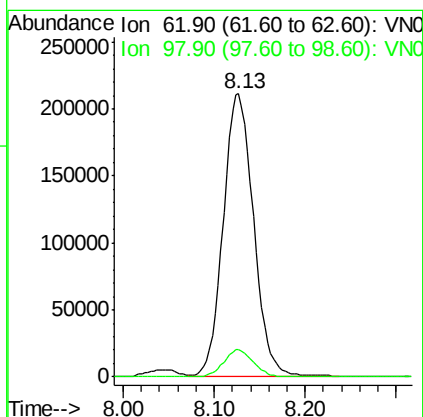
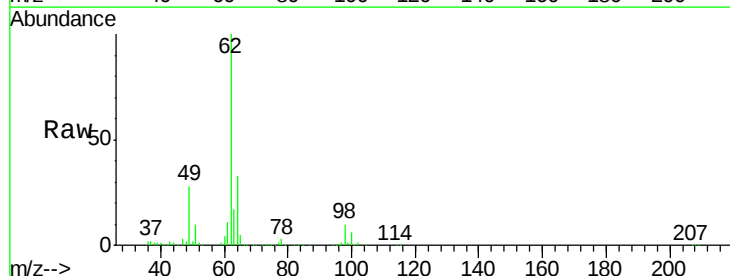
Manual Integrations
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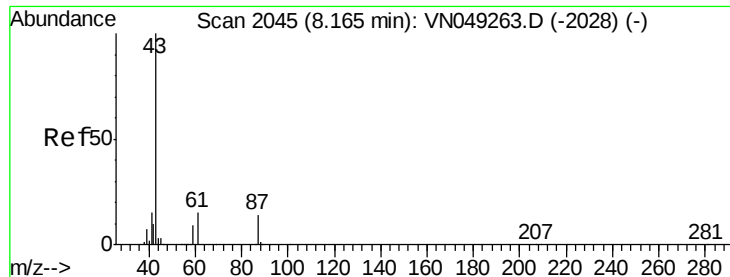
MMDadoda
6/20/2018 4:54:00 PM



#42
1,2-Dichloroethane
Concen: 19.262 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.3	0.0	16.2		





#43

Isopropyl Acetate

Concen: 21.029 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

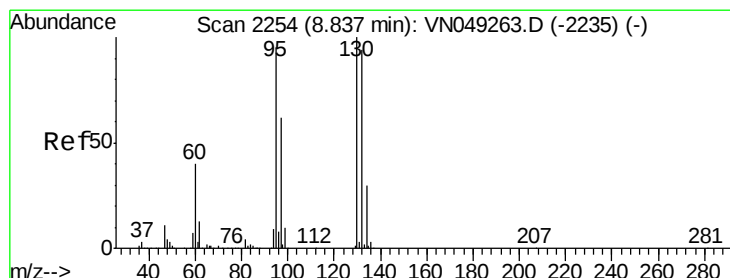
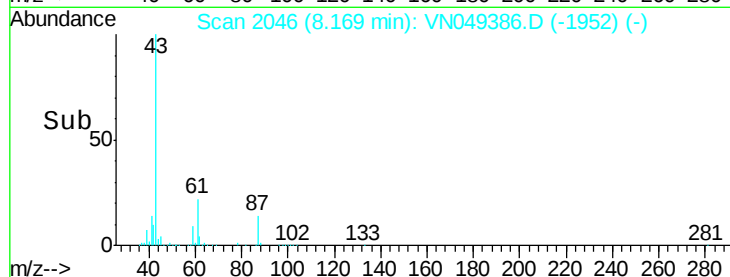
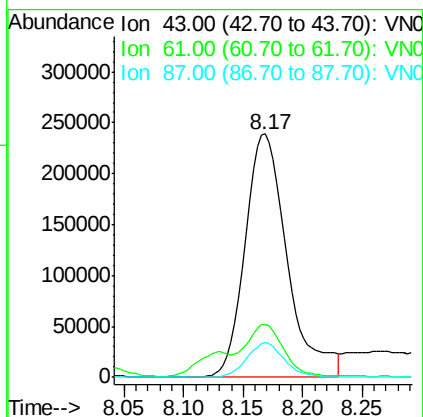
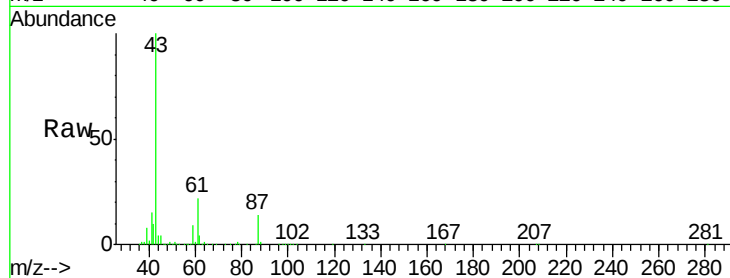
ClientSampleId :

VN0619WBS01

Tot Ion:	43	Resp:	584729
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.2	21.4
87	12.7	9.4	14.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.023 ug/l

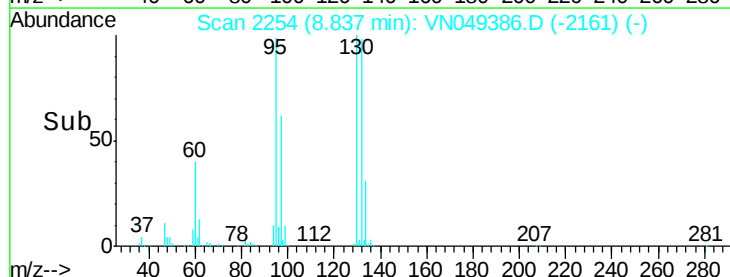
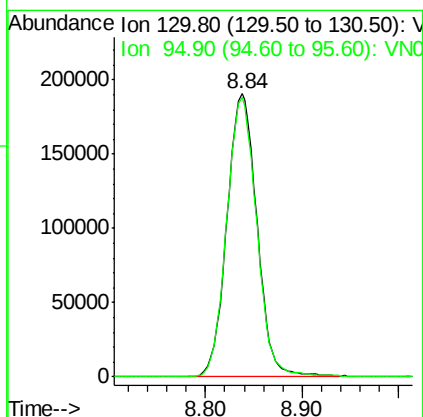
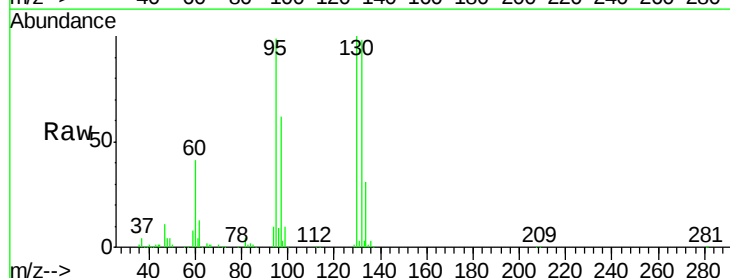
RT: 8.84 min Scan# 2254

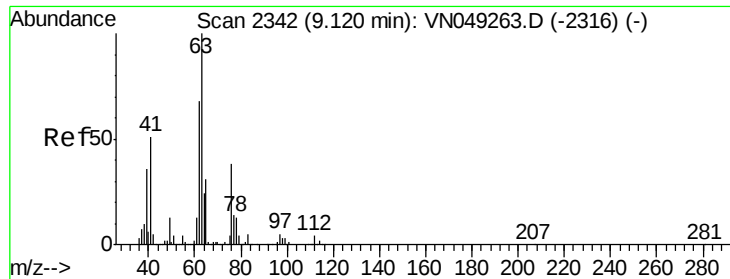
Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Tgt Ion:	130	Resp:	412278
Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	208.6





#45

1,2-Dichloropropane

Concen: 18.695 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 63 Resp: 401739

Ion Ratio Lower Upper

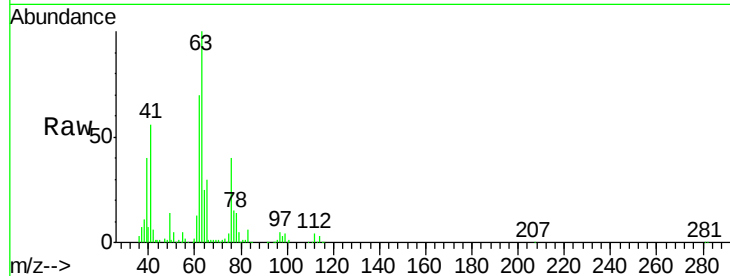
63 100

65 29.7 24.8 37.2

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

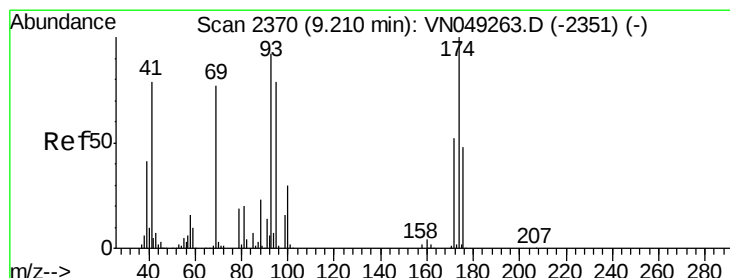
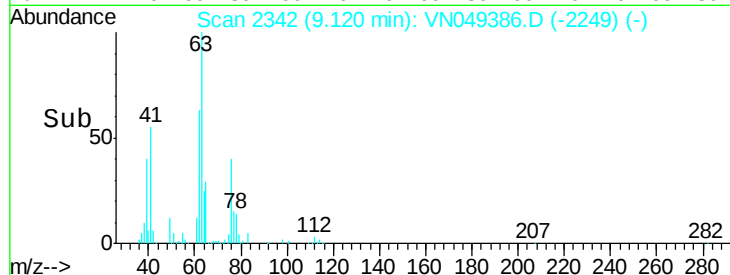
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 19.226 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

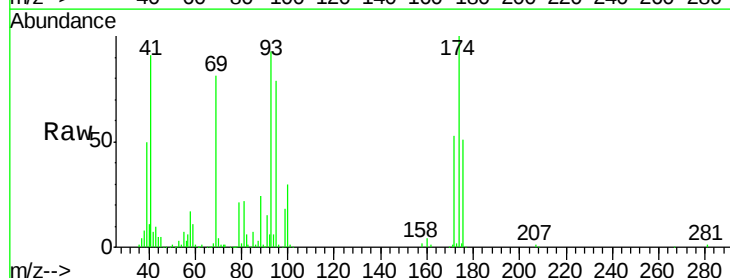
Tgt Ion: 93 Resp: 239554

Ion Ratio Lower Upper

93 100

95 83.8 67.2 100.8

174 107.5 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

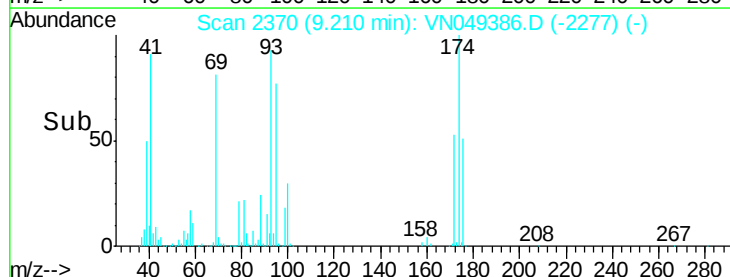
150000

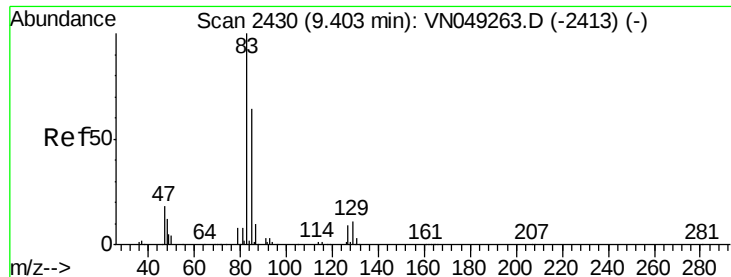
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 18.670 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

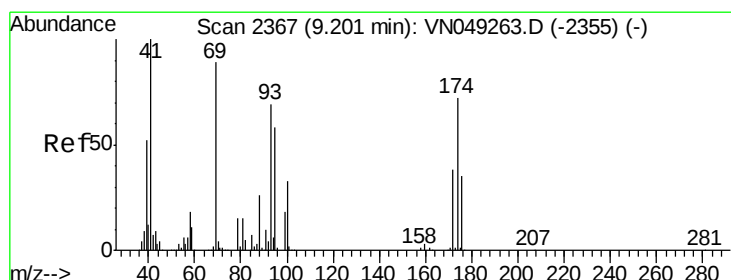
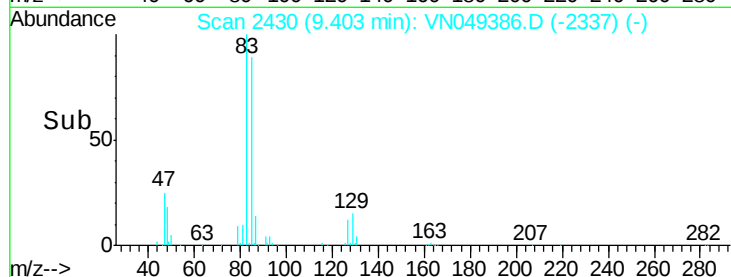
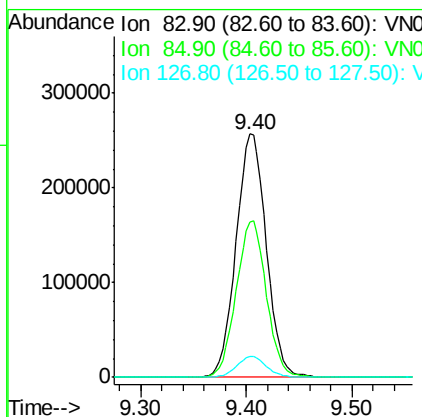
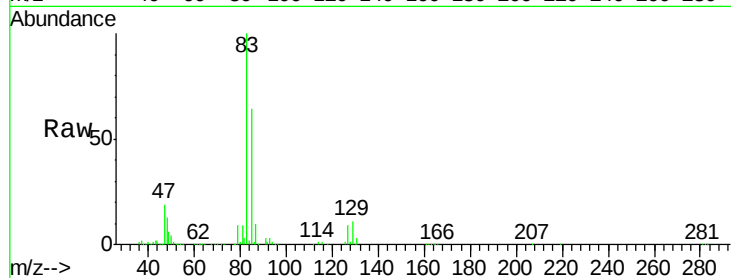
ClientSampleId :

VN0619WBS01

Tot Ion:	83	Resp:	511219
Ion Ratio	Lower	Upper	
83	100		
85	64.0	49.4	74.0
127	8.6	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.761 ug/l

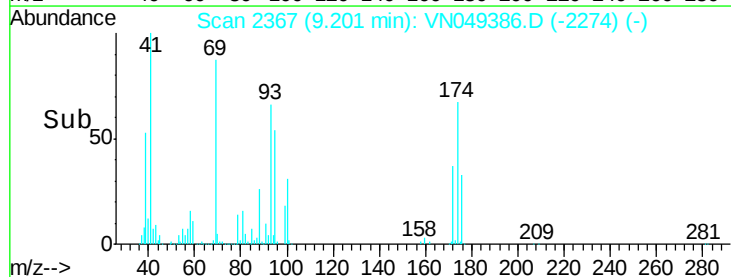
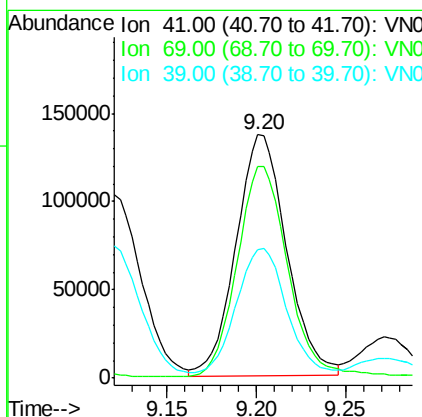
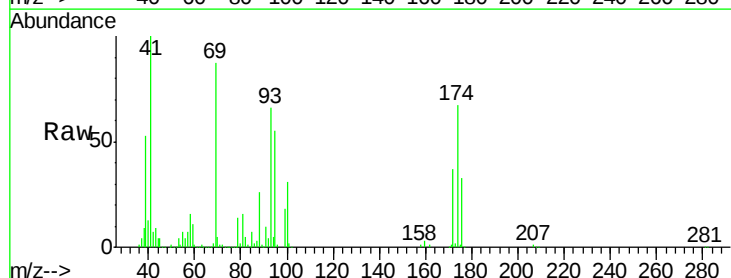
RT: 9.20 min Scan# 2367

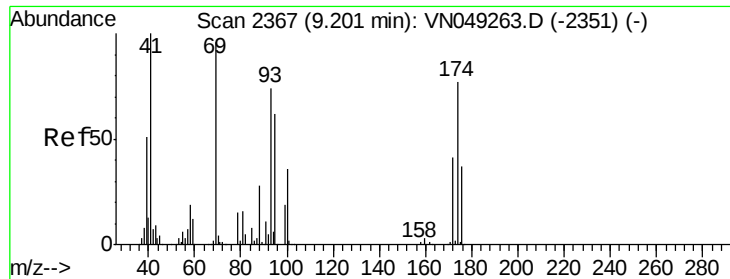
Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Tgt Ion:	41	Resp:	271846
Ion Ratio	Lower	Upper	
41	100		
69	88.9	62.0	93.0
39	54.5	50.6	75.8





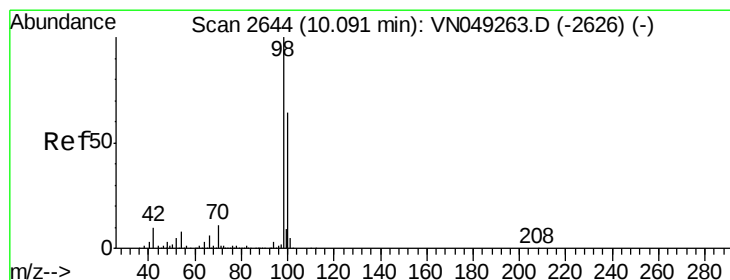
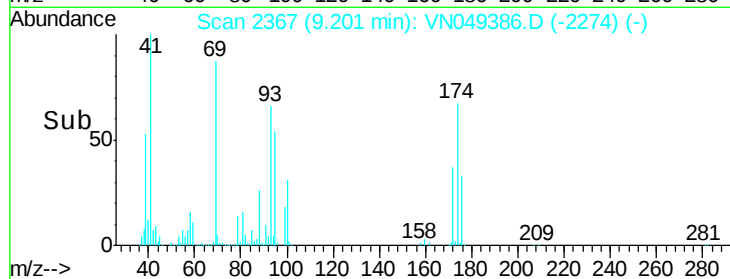
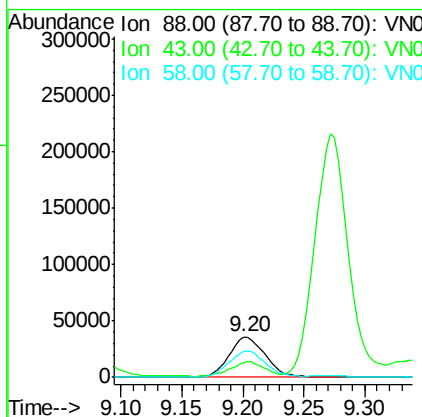
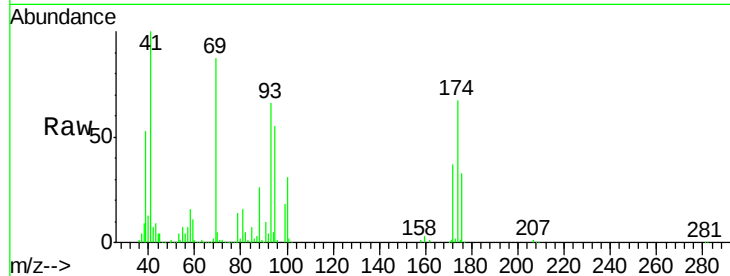
#49
1,4-Dioxane
Concen: 413.873 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	88	Resp	74795
Ion	Ratio	Lower	Upper
88	100		
43	33.9	30.9	46.3
58	65.8	58.9	88.3

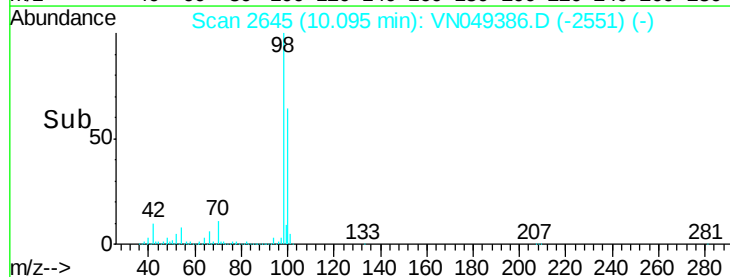
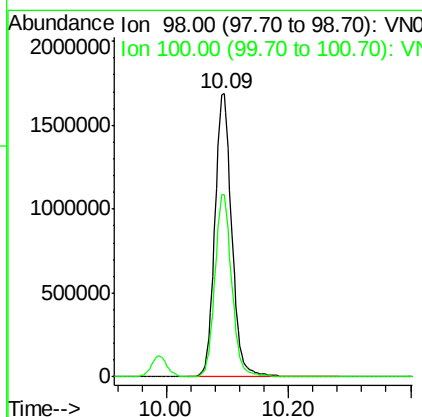
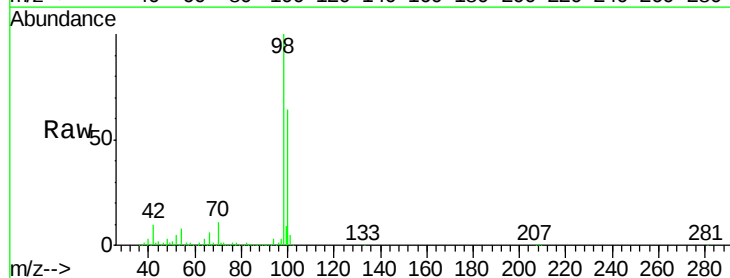
Manual Integrations
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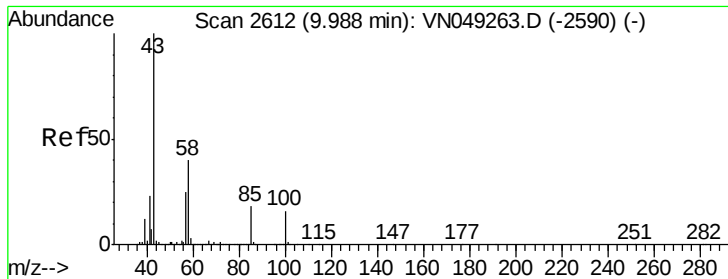
MMDadoda
6/20/2018 4:54:00 PM



#50
Toluene-d8
Concen: 45.249 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	98	Resp	3255815
Ion	Ratio	Lower	Upper
98	100		
100	64.1	49.8	74.8





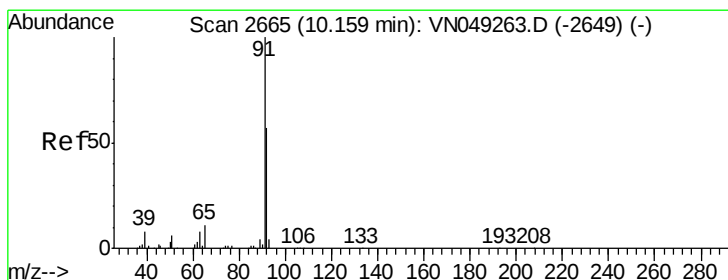
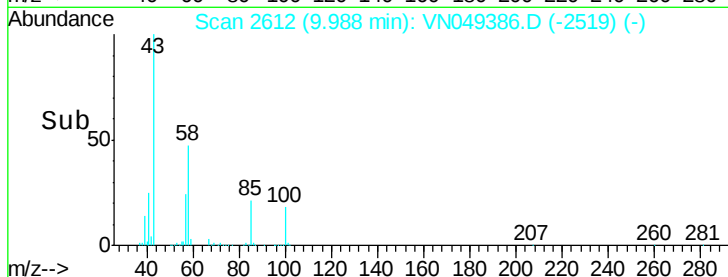
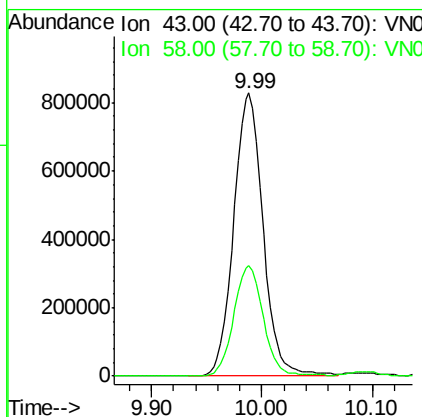
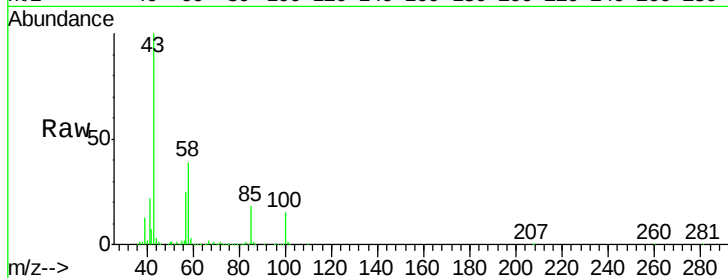
#51
4-Methyl-2-Pentanone
Concen: 104.650 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
Client Sampled :
VN0619WBS01

Tot Ion: 43 Resp: 1525067
Ion Ratio Lower Upper
43 100
58 39.4 29.0 43.6

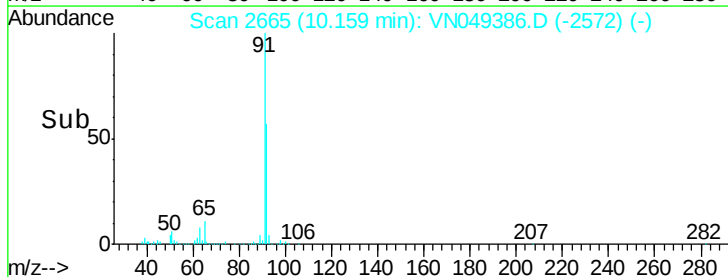
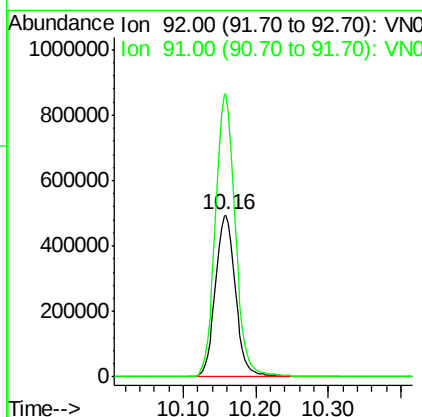
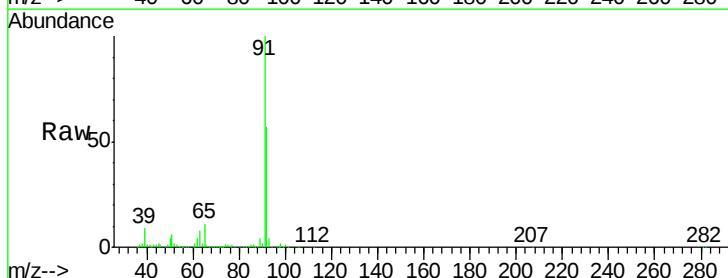
Manual Integrations
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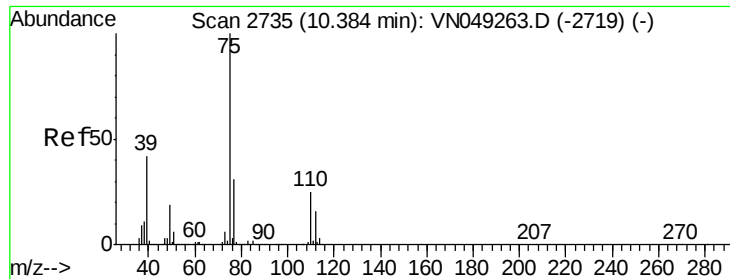
MMDadoda
6/20/2018 4:54:00 PM



#52
Toluene
Concen: 19.712 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion: 92 Resp: 949497
Ion Ratio Lower Upper
92 100
91 174.2 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 18.823 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 75 Resp: 493039

Ion Ratio Lower Upper

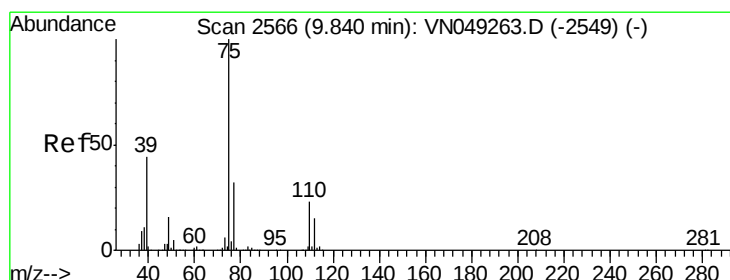
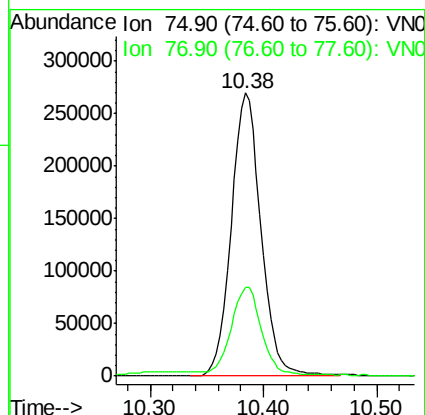
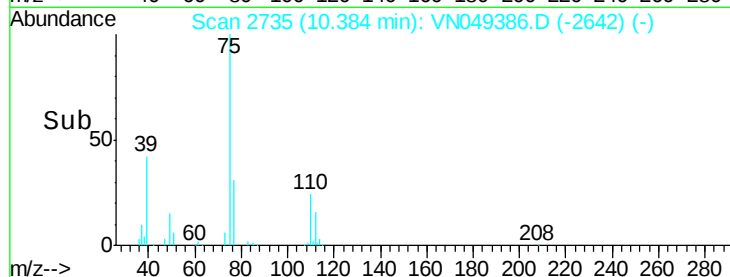
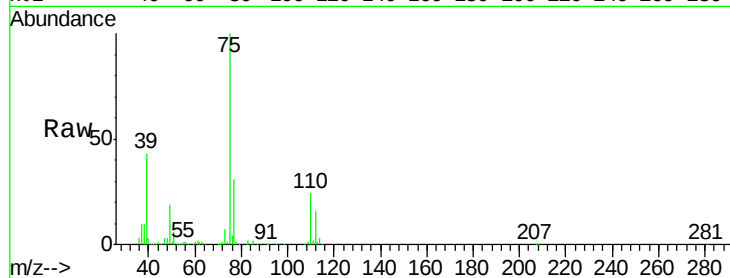
75 100

77 30.7 25.2 37.8

Manual Integrations
APPROVED

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6/20/2018 4:54:00 PM



#54

cis-1,3-Dichloropropene

Concen: 18.747 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

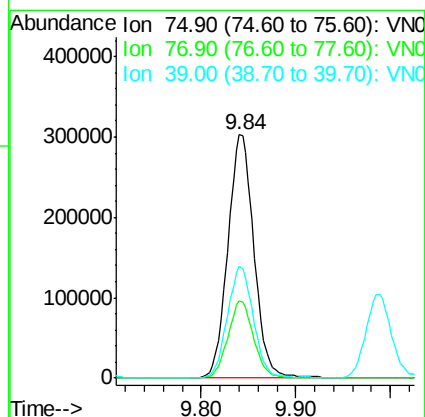
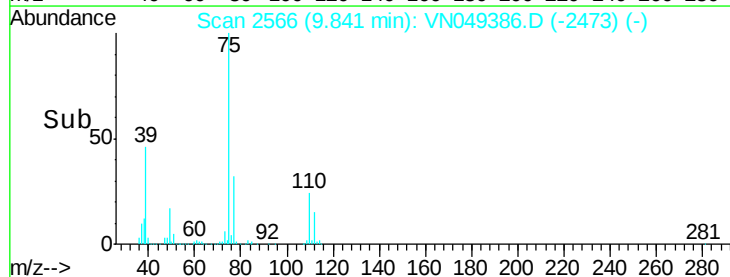
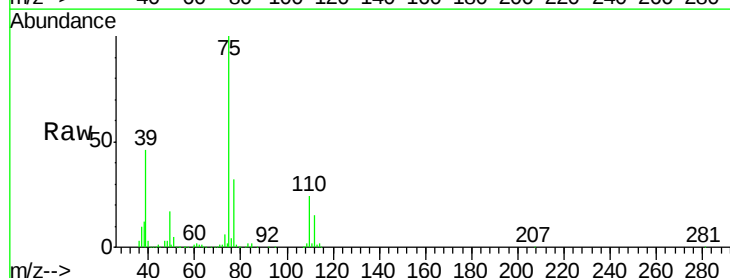
Tgt Ion: 75 Resp: 579814

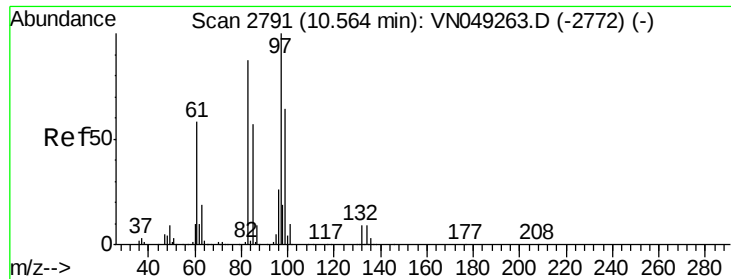
Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 45.7 45.1 67.7





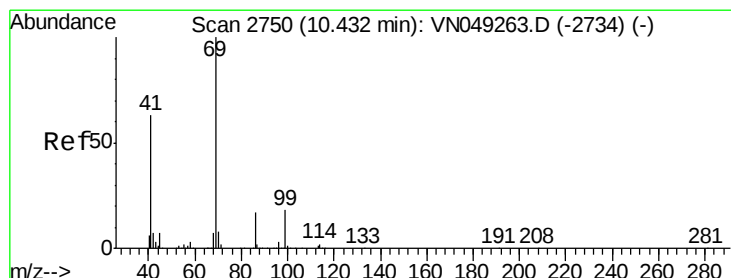
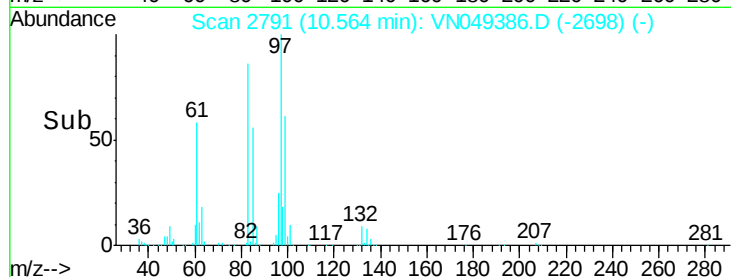
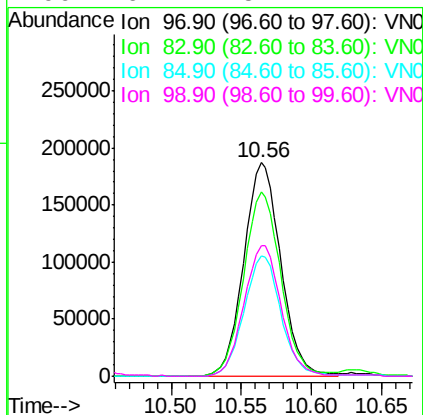
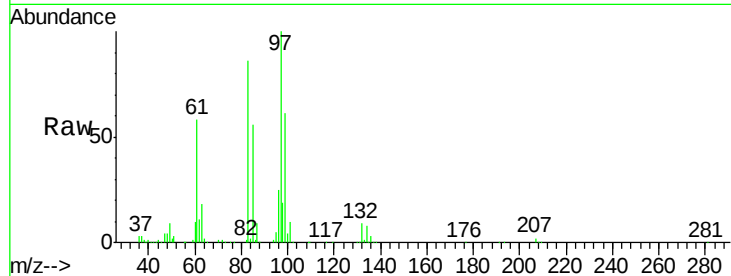
#55
 1,1,2-Trichloroethane
 Concen: 19.141 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	71.5	107.3
85	56.3	47.0	70.4
99	61.1	51.4	77.2

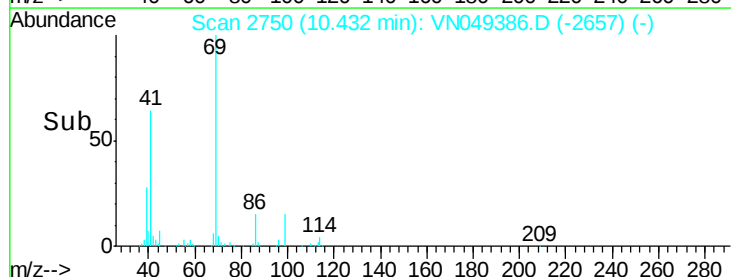
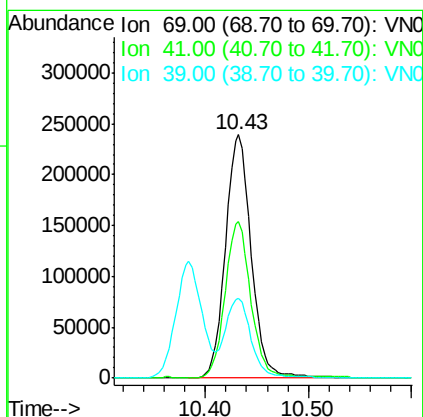
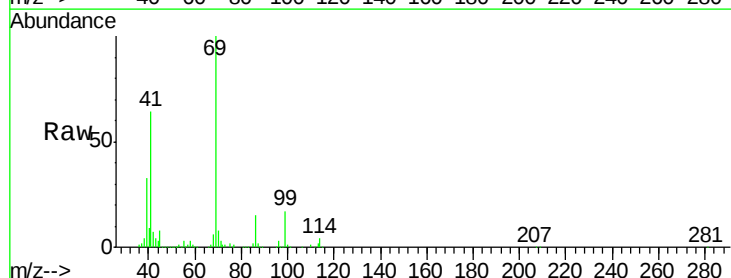
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 20.123 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.1	58.4	87.6
39	32.8	35.5	53.3#





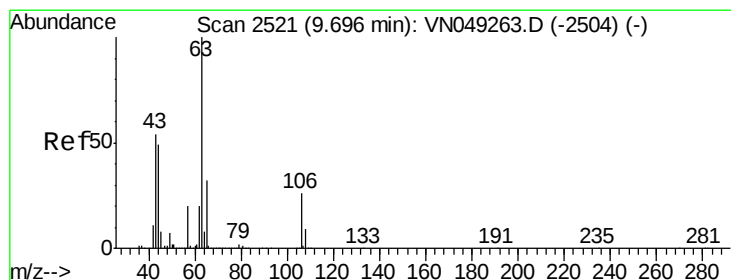
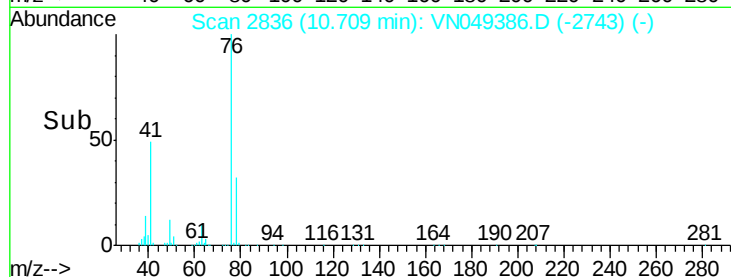
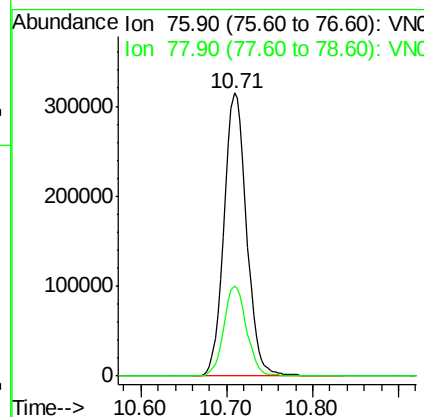
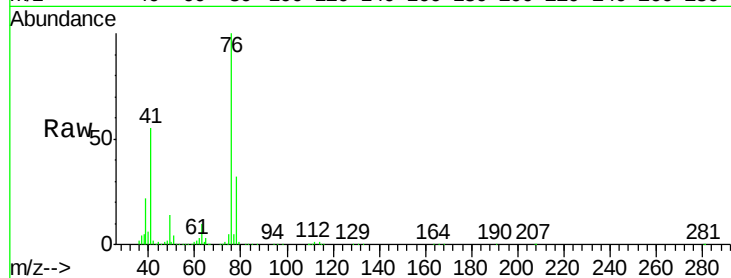
#57
 1,3-Dichloropropane
 Concen: 19.375 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

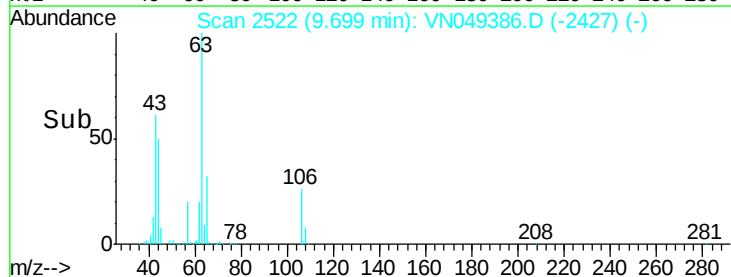
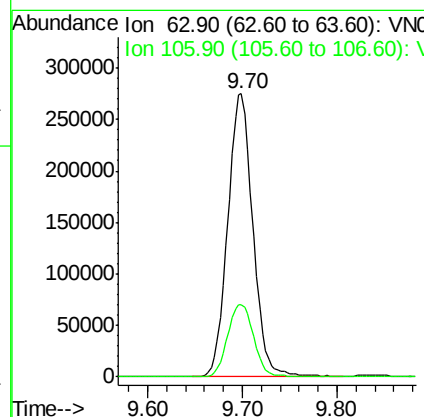
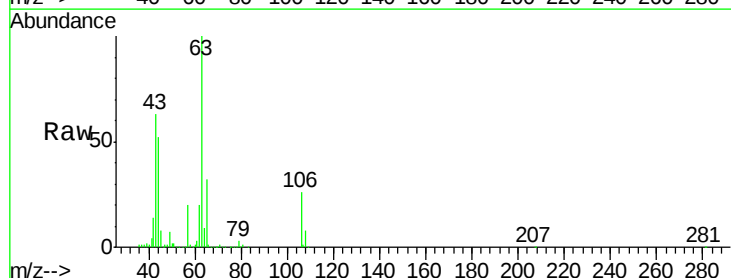
Manual Integrations
 APPROVED

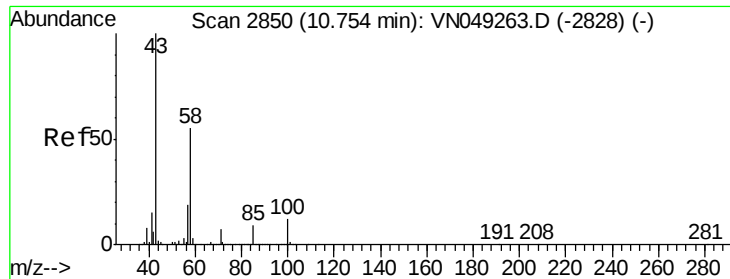
MMDadoda
 6/20/2018 4:54:00 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 79.197 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.6	19.4	29.2





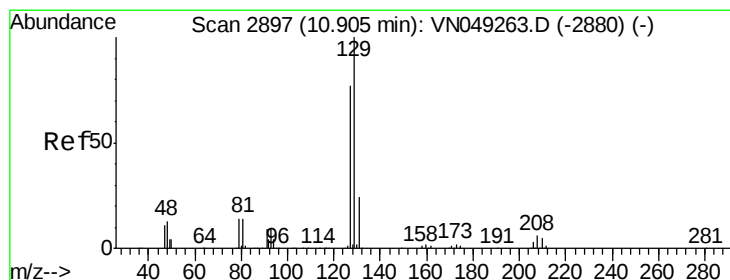
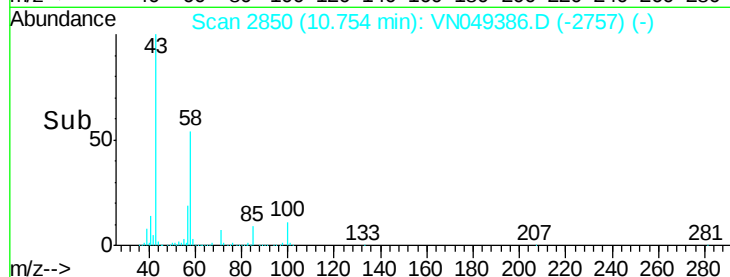
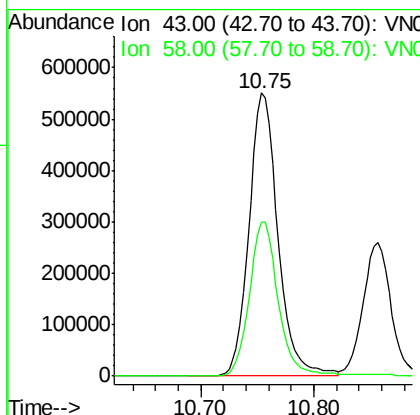
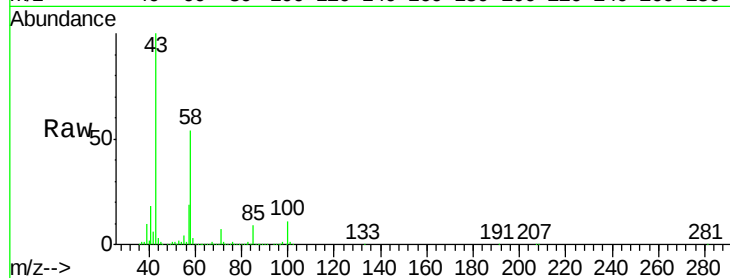
#59
2-Hexanone
Concen: 103.984 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 43 Resp: 976960
Ion Ratio Lower Upper
43 100
58 54.3 25.2 75.6

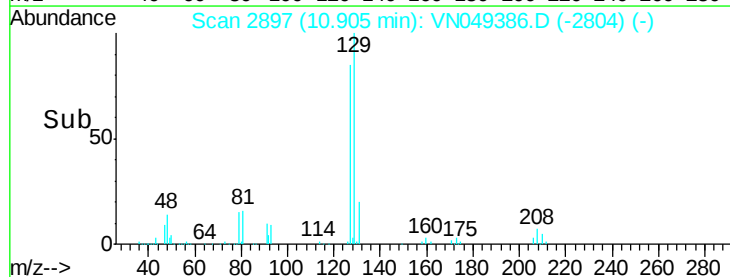
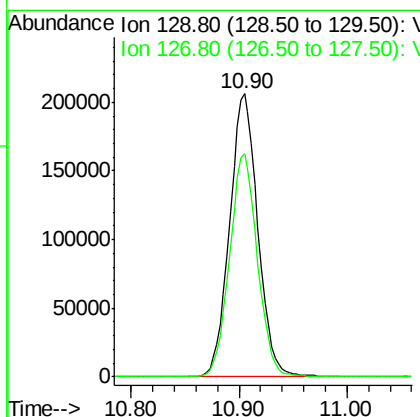
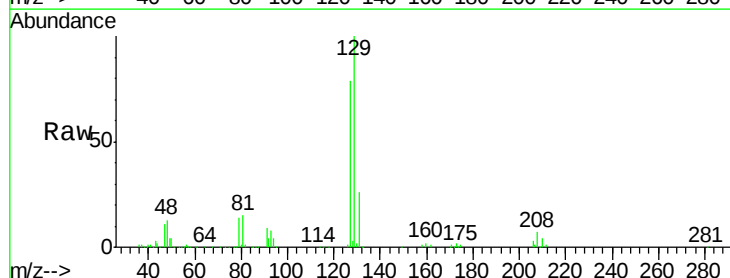
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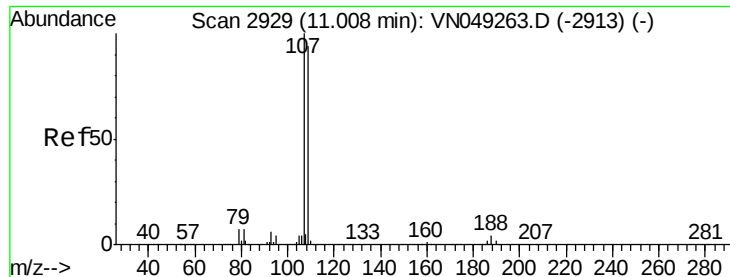
MMDadoda
6/20/2018 4:54:00 PM



#60
Dibromochloromethane
Concen: 18.714 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion: 129 Resp: 375056
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.700 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion:107 Resp: 328823

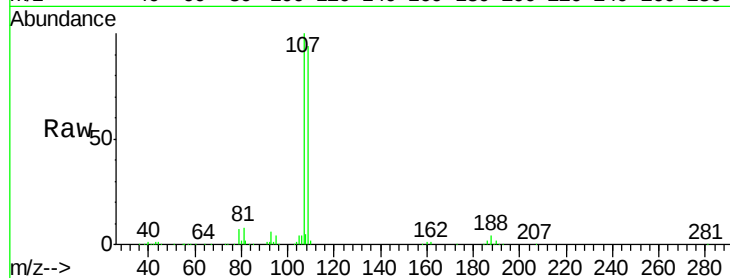
Ion Ratio Lower Upper

107 100

109 93.7 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

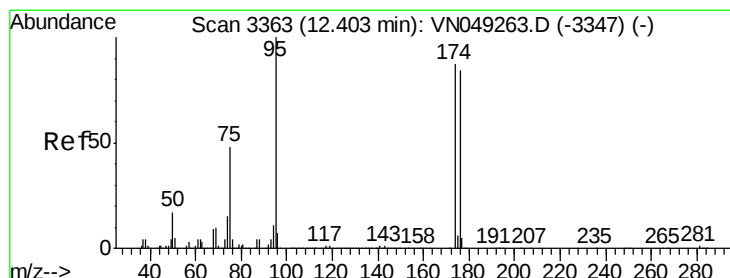
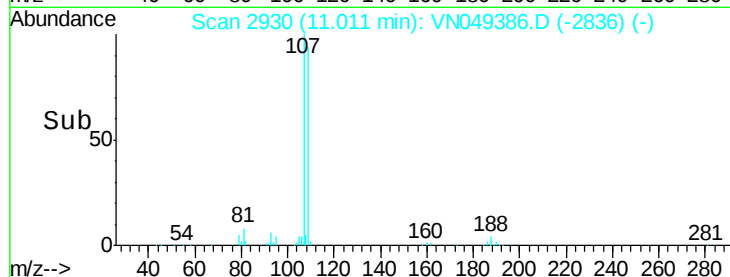
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 44.914 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

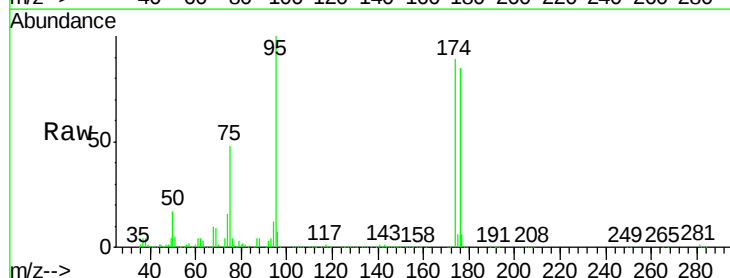
Tgt Ion: 95 Resp: 1068567

Ion Ratio Lower Upper

95 100

174 88.6 0.0 165.6

176 85.2 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

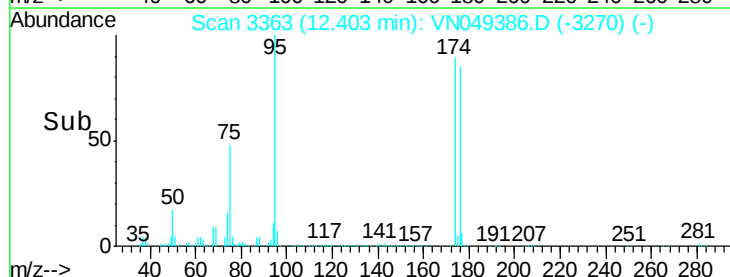
600000

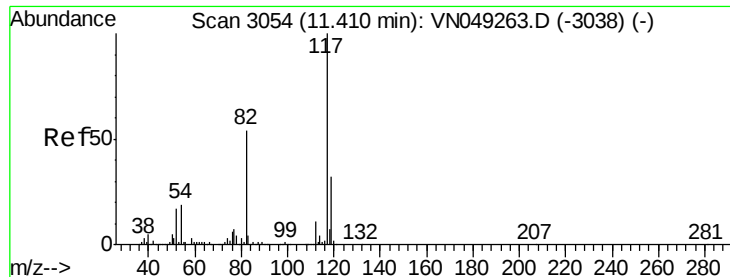
400000

200000

0

Time--> 12.40 12.50





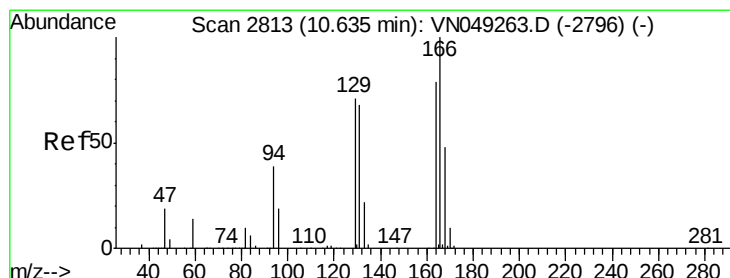
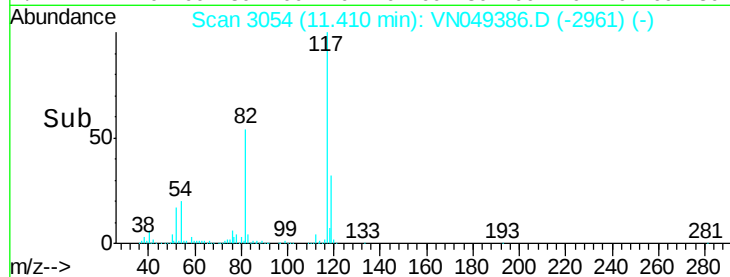
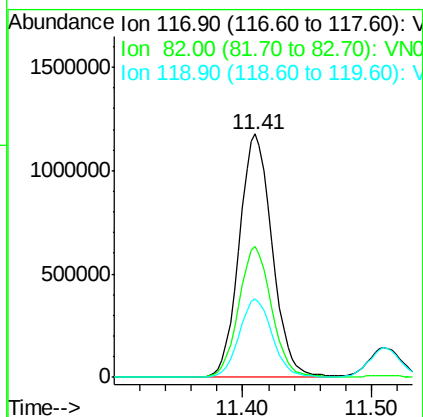
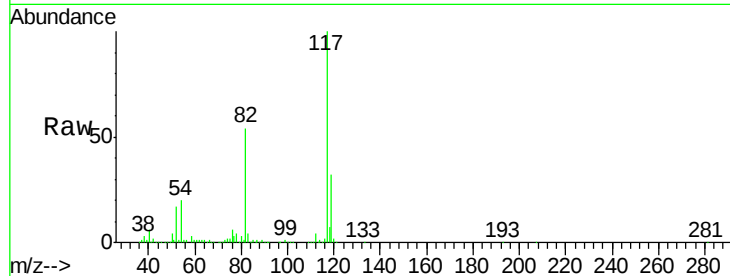
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.9	68.9
119	32.1	25.5	38.3

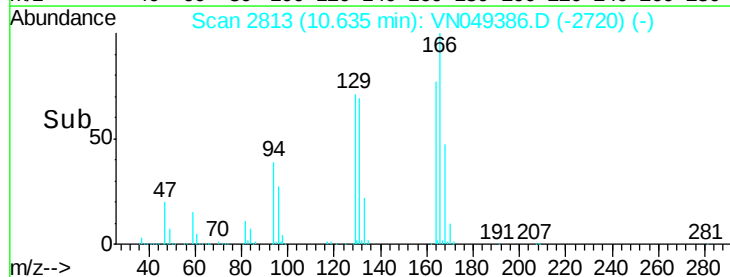
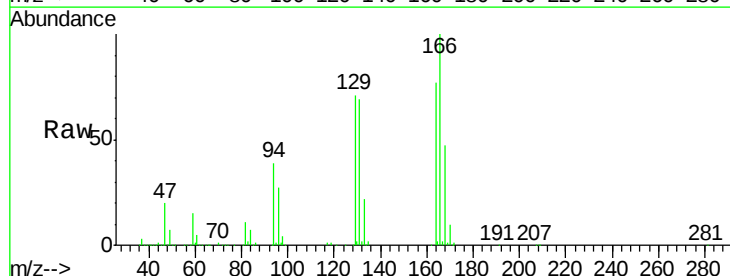
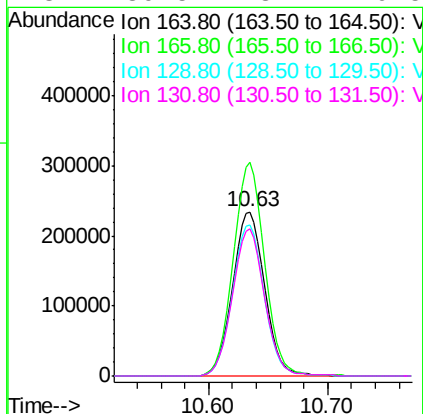
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#64
Tetrachloroethene
Concen: 20.377 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	101.4	152.2
129	92.2	74.1	111.1
131	89.5	73.7	110.5





#65

Chlorobenzene

Concen: 18.624 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion:112 Resp: 1005541

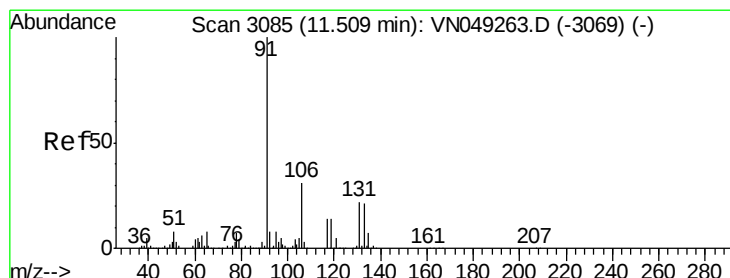
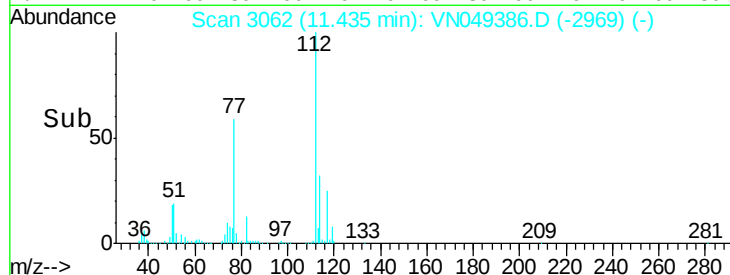
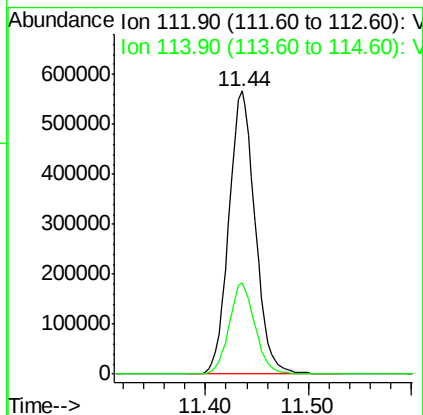
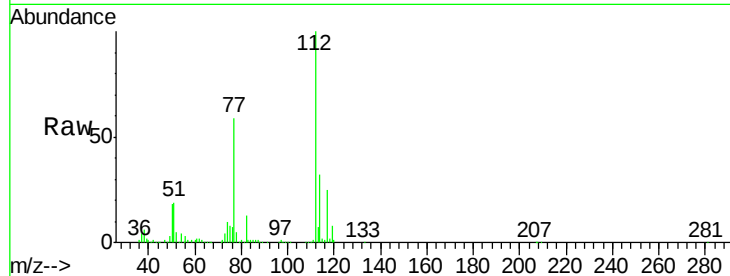
Ion Ratio Lower Upper

112 100

114 32.4 26.2 39.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.552 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

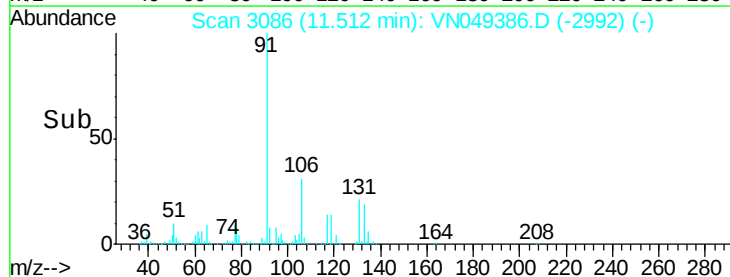
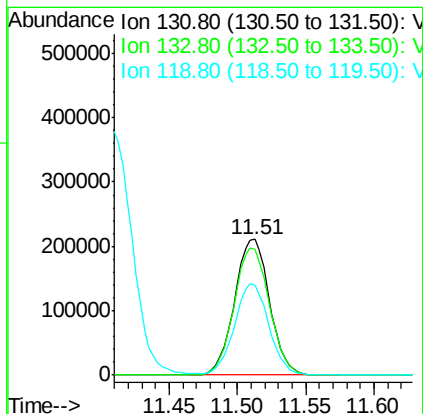
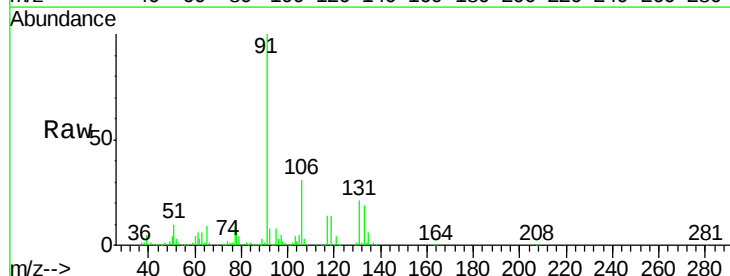
Tgt Ion:131 Resp: 376944

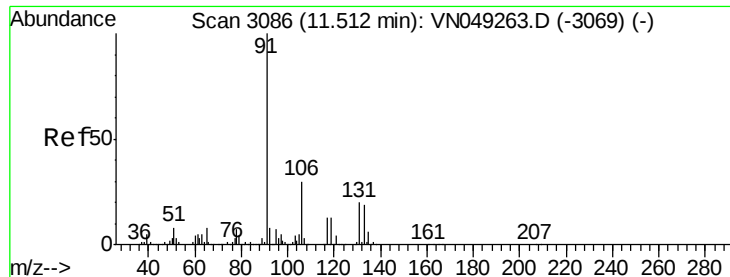
Ion Ratio Lower Upper

131 100

133 94.6 48.0 144.2

119 66.1 33.6 100.8





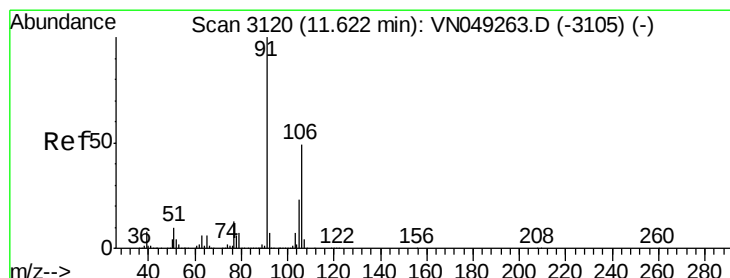
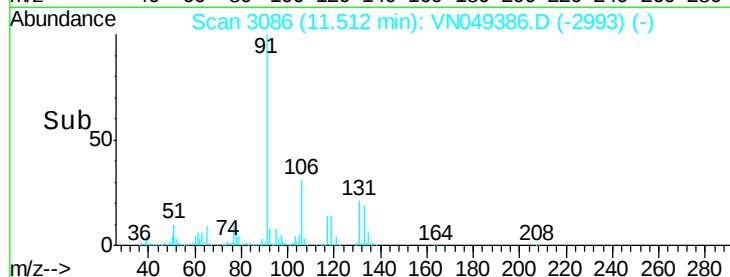
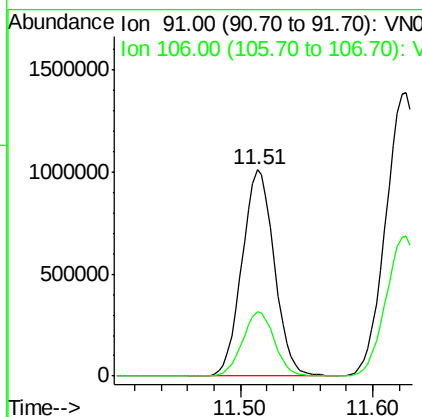
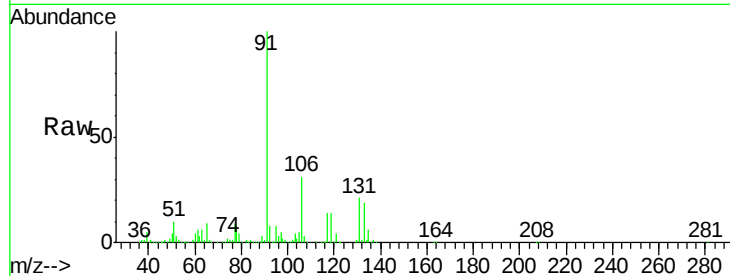
#67
Ethyl Benzene
Concen: 19.108 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion: 91 Resp: 1711222
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9

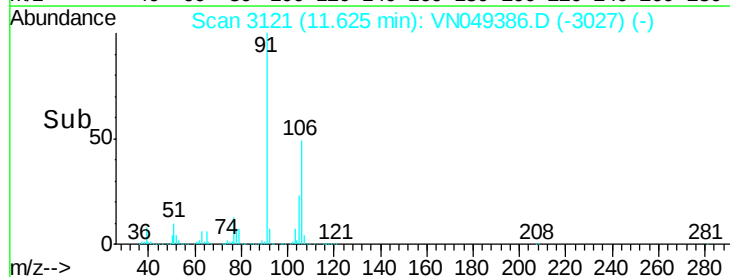
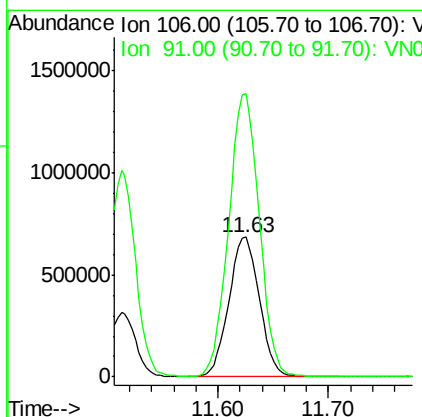
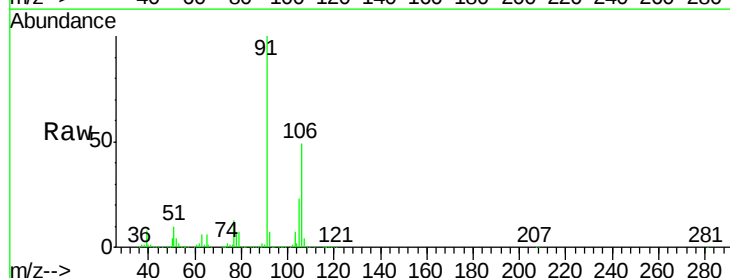
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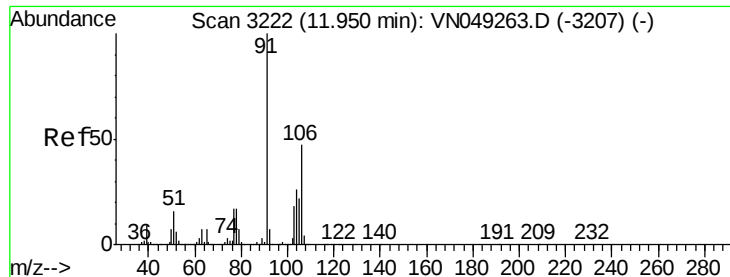
MMDadoda
6/20/2018 4:54:00 PM



#68
m/p-Xylenes
Concen: 39.145 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion: 106 Resp: 1315611
Ion Ratio Lower Upper
106 100
91 202.9 167.3 250.9





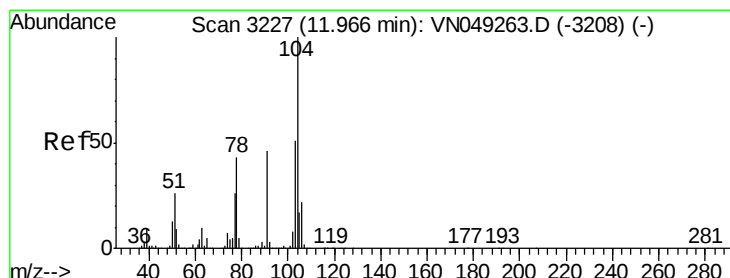
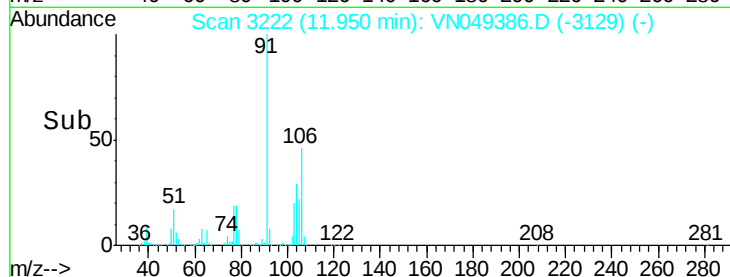
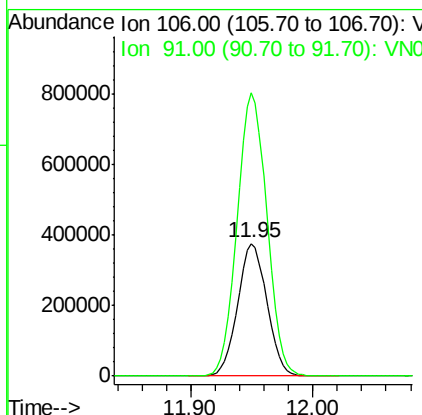
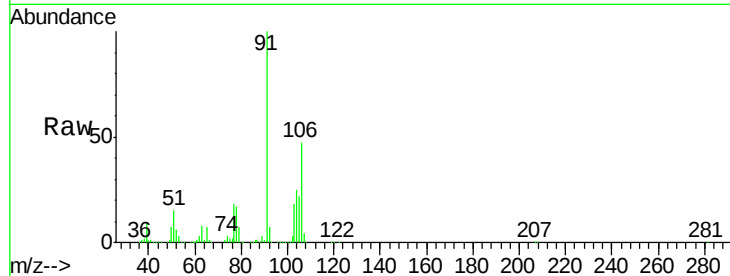
#69
o-Xylene
Concen: 19.261 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	623497		
91	91	217.1	111.0	333.0	

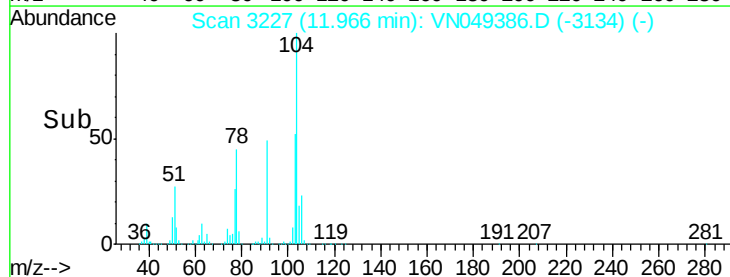
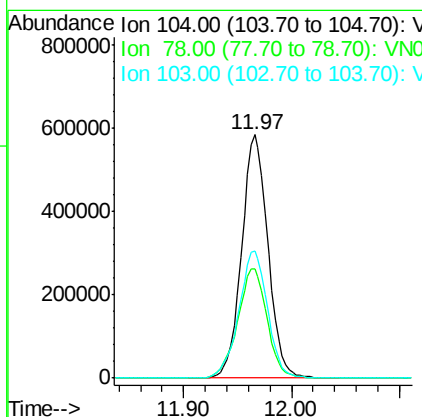
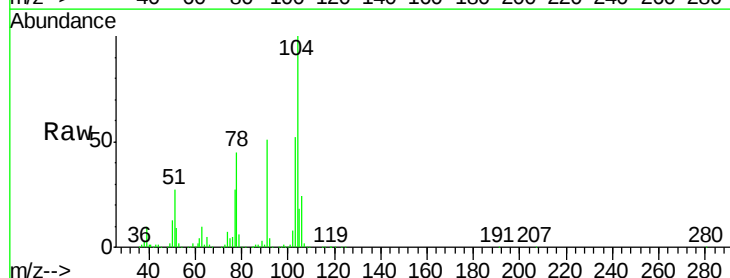
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#70
Styrene
Concen: 19.452 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	993399		
78	78	50.1	41.6	62.4	
103	103	57.0	45.4	68.2	





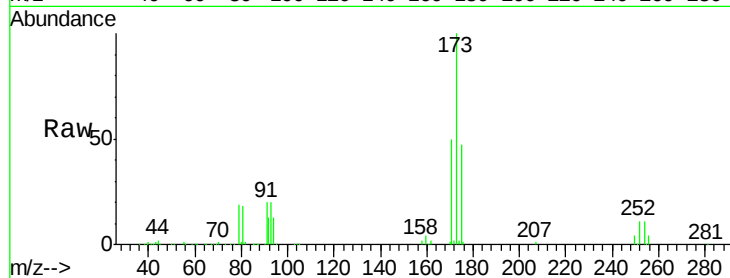
#71
Bromoform
Concen: 19.426 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

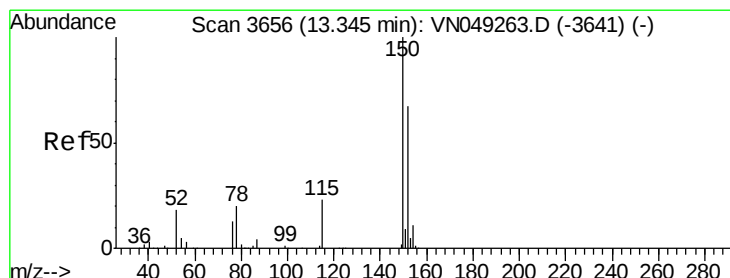
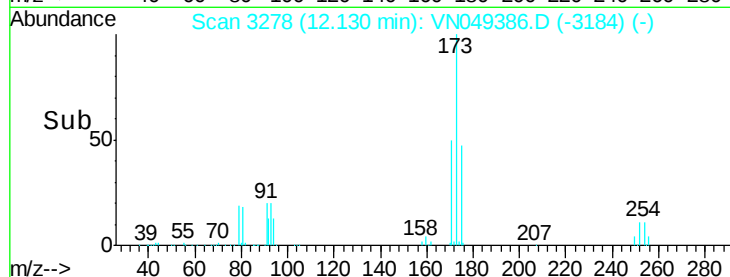
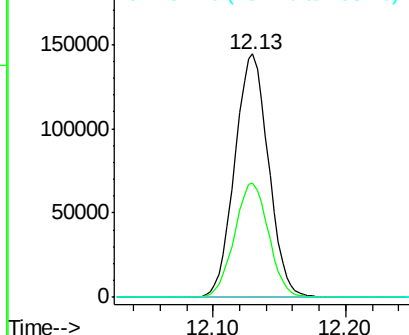
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.5	73.5
254	0.0	0.1	0.1#

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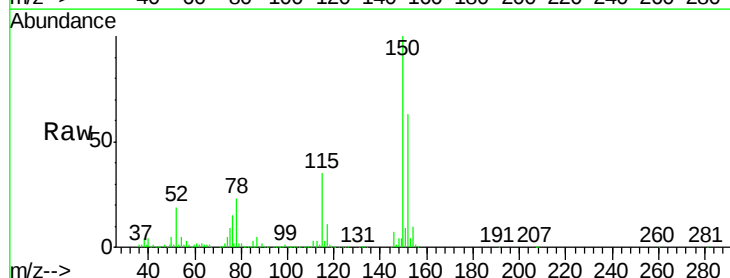


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

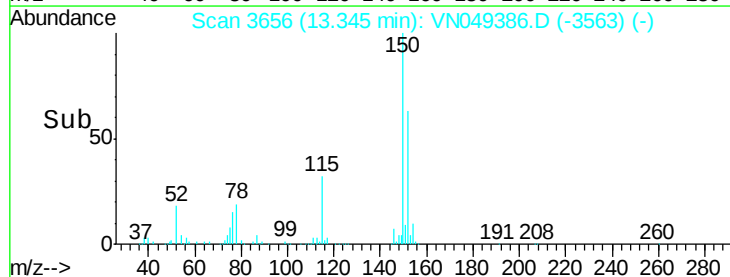
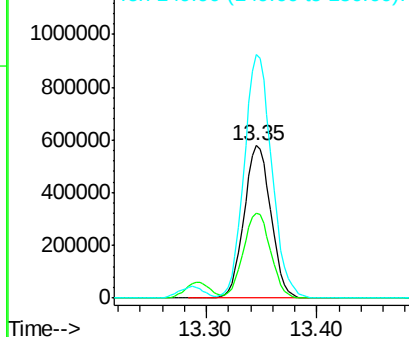


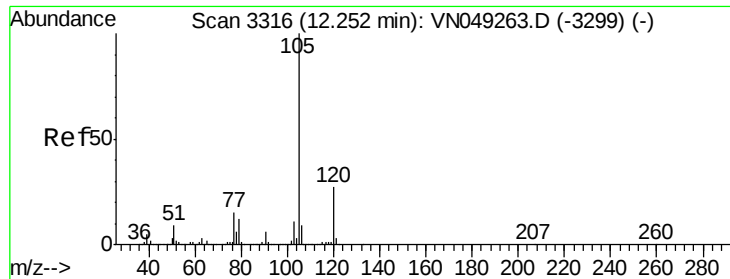
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.7	86.1
150	164.6	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.734 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion:105 Resp: 1680590

Ion Ratio Lower Upper

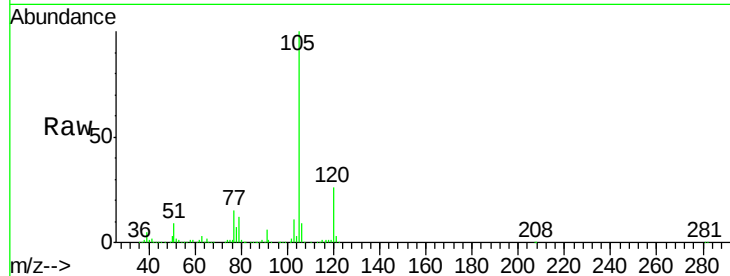
105 100

120 26.4 12.8 38.3

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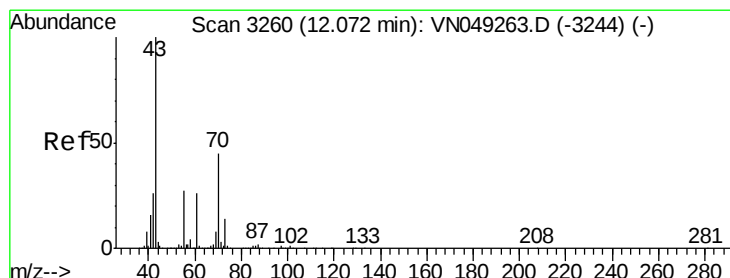
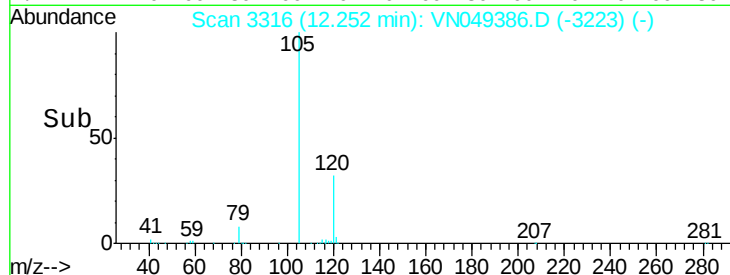
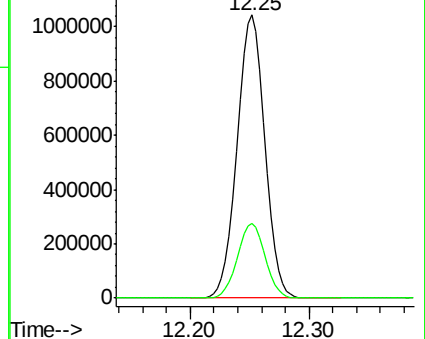
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.573 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Tgt Ion: 43 Resp: 408264

Ion Ratio Lower Upper

43 100

70 42.9 30.3 45.5

55 27.8 19.4 29.2

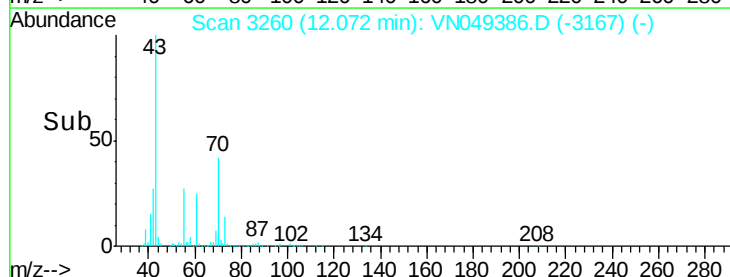
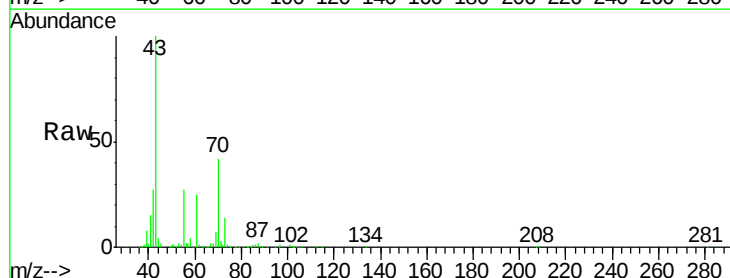
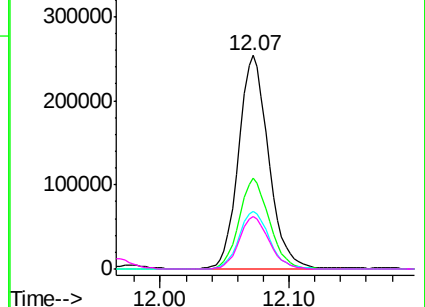
61 24.8 17.8 26.6

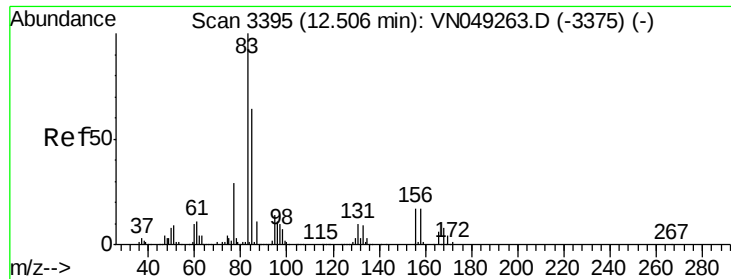
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.056 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

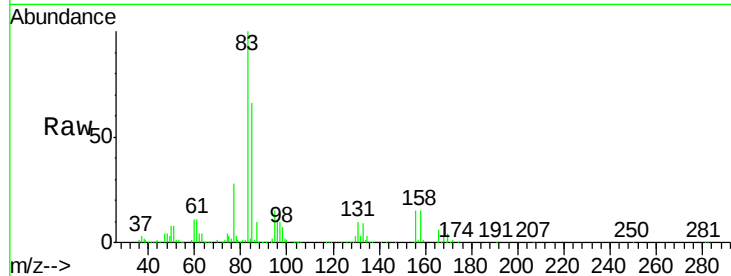
ClientSampleId :

VN0619WBS01

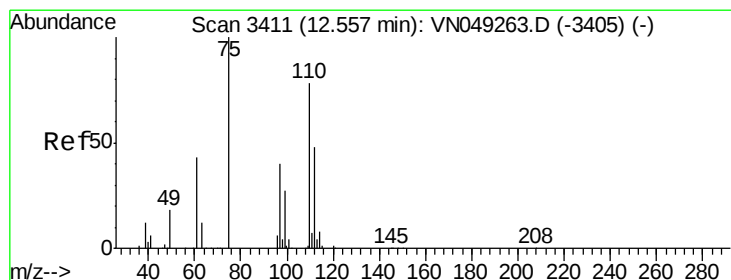
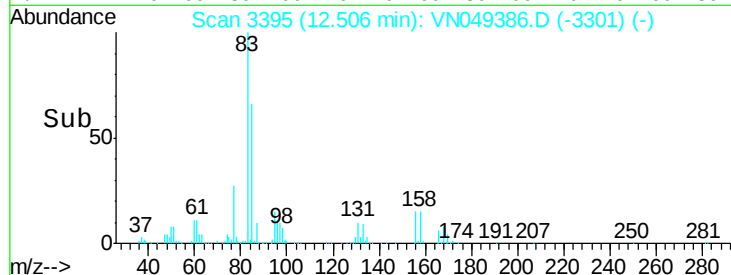
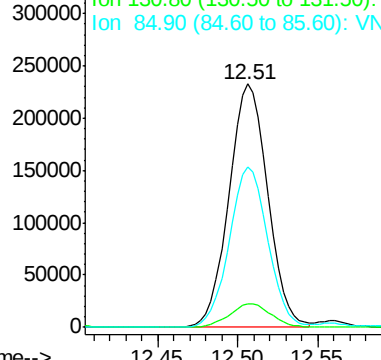
Tot Ion:	83	Resp:	391616
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	65.4	32.0	96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN049386.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 20.241 ug/l m

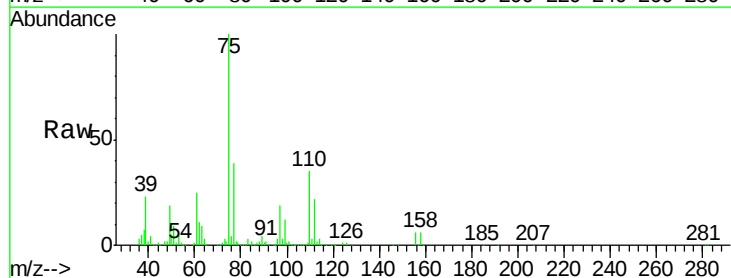
RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

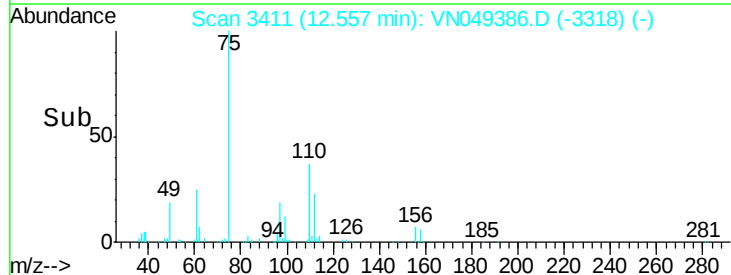
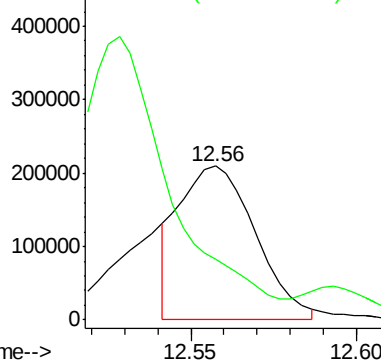
Lab File: VN049386.D

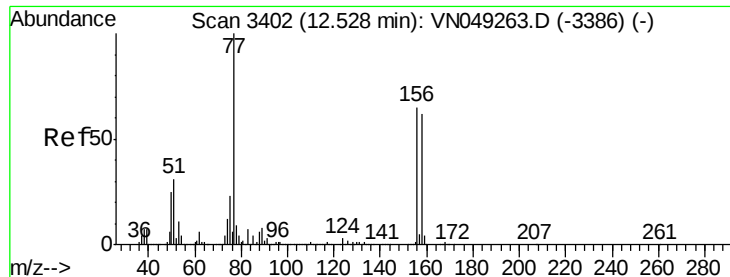
Acq: 19 Jun 2018 15:37

Tgt Ion:	75	Resp:	334982
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049386.D (-3318) (-)





#77

Bromobenzene

Concen: 18.829 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

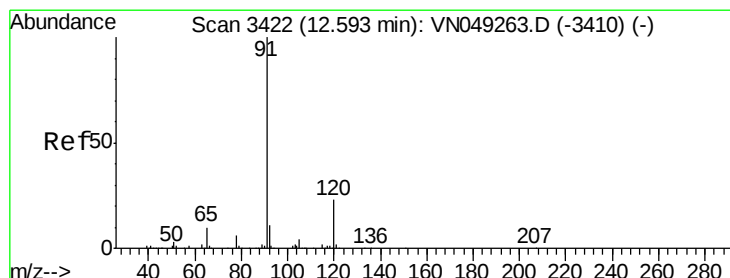
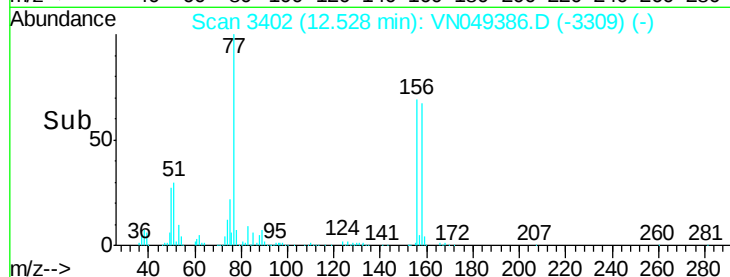
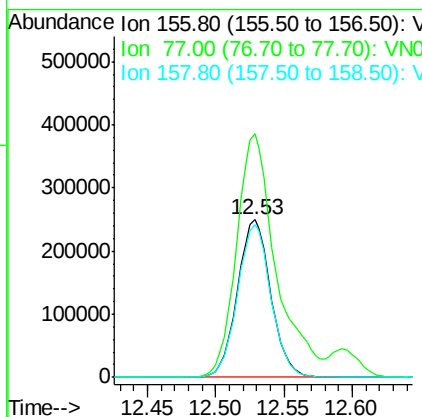
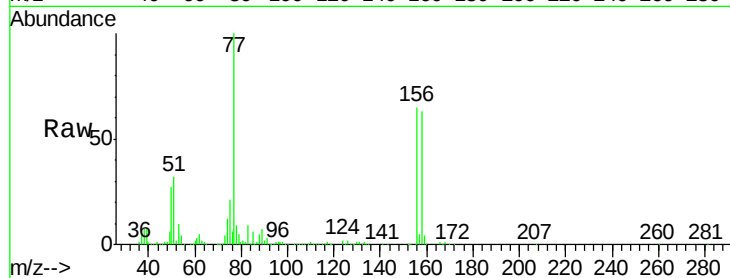
ClientSampleId :

VN0619WBS01

Tot Ion:	156	Resp:	423554
Ion Ratio	Lower	Upper	
156	100		
77	182.0	100.8	302.4
158	97.1	49.3	147.9

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#78

n-propylbenzene

Concen: 19.694 ug/l

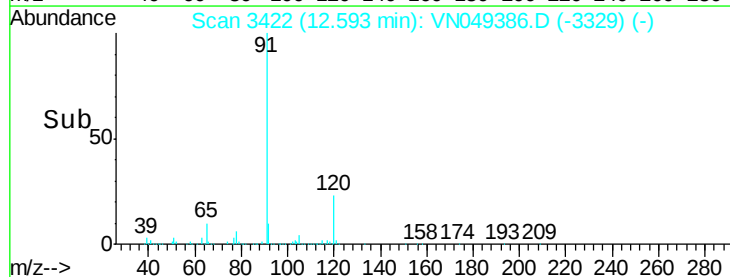
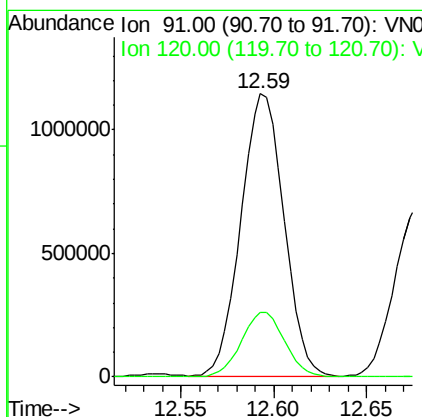
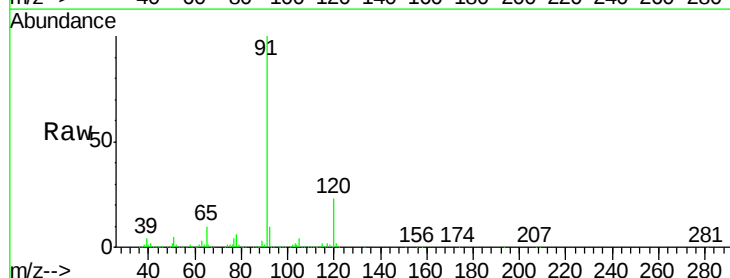
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Tgt Ion:	91	Resp:	1841555
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.172 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBS01

Tot Ion: 91 Resp: 1135879

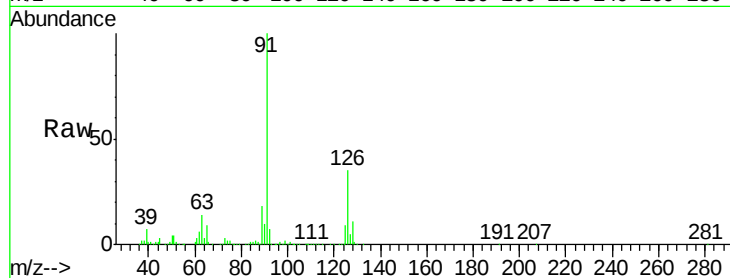
Ion Ratio Lower Upper

91 100

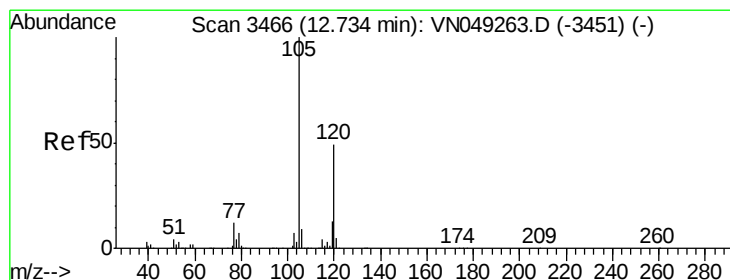
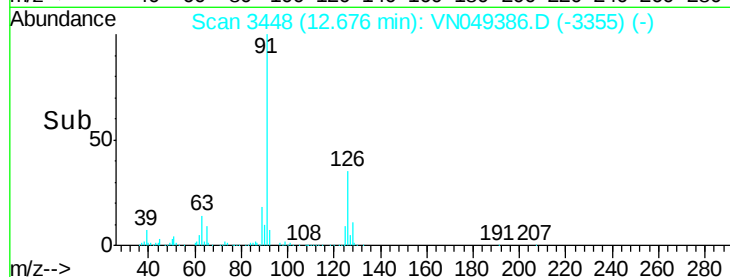
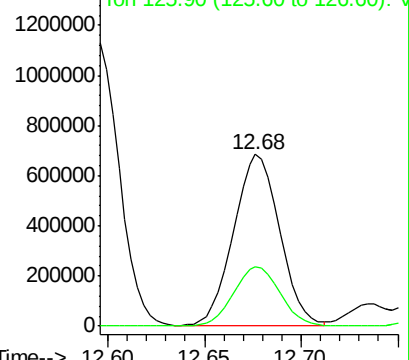
126 34.9 16.6 49.8

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Abundance Ion 91.00 (90.70 to 91.70): VN049386.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.999 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049386.D

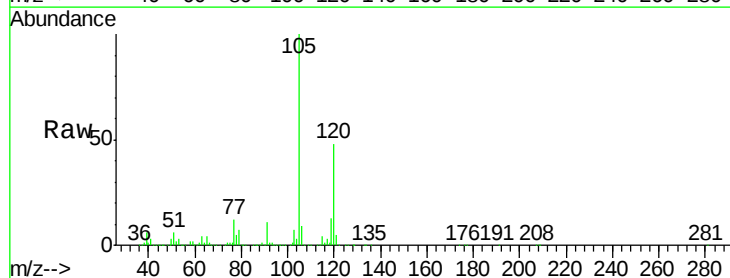
Acq: 19 Jun 2018 15:37

Tgt Ion: 105 Resp: 1338657

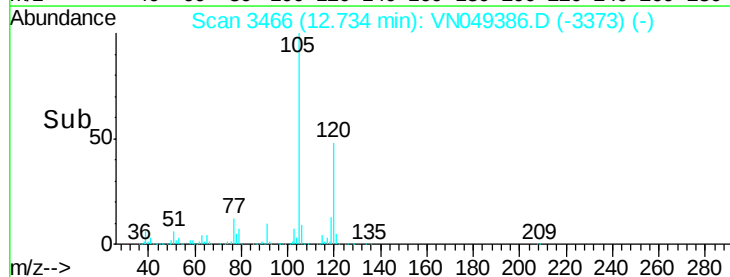
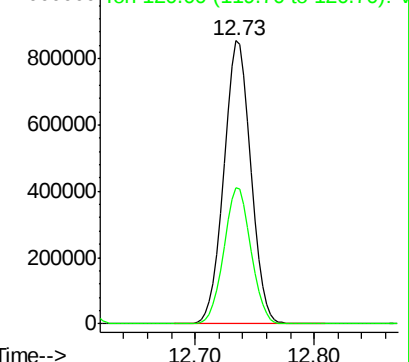
Ion Ratio Lower Upper

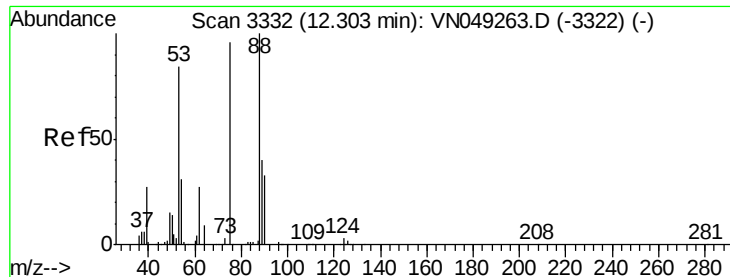
105 100

120 48.3 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049386.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.770 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

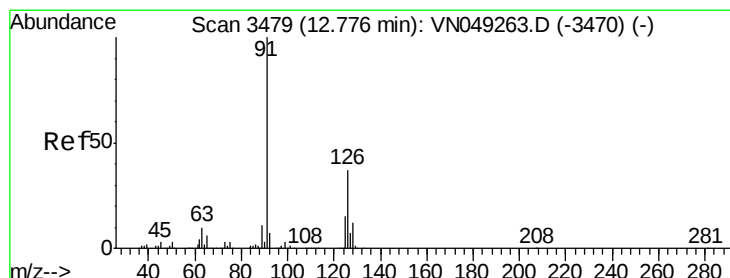
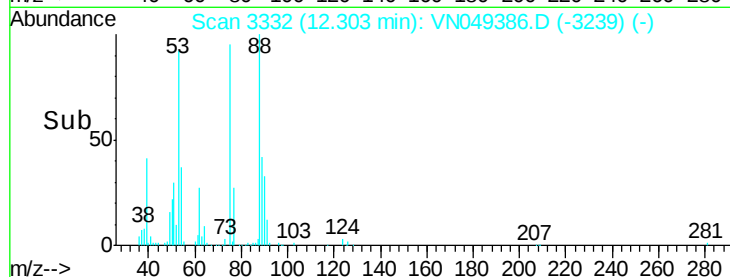
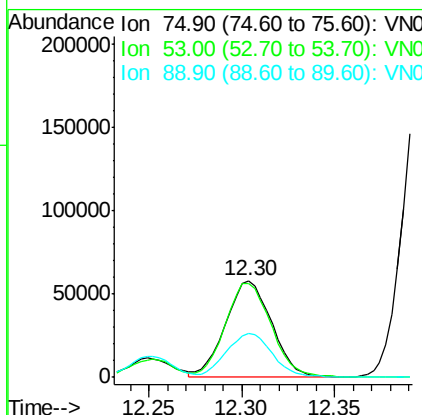
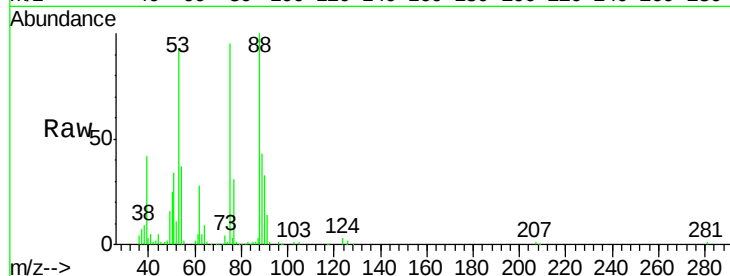
ClientSampleId :

VN0619WBS01

Tot Ion:	75	Resp:	98285
Ion Ratio	Lower	Upper	
75	100		
53	100.0	82.7	124.1
89	46.6	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.403 ug/l

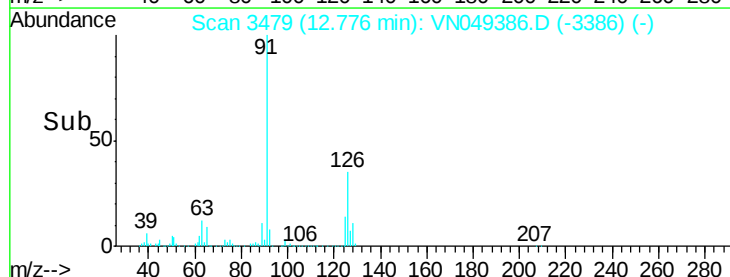
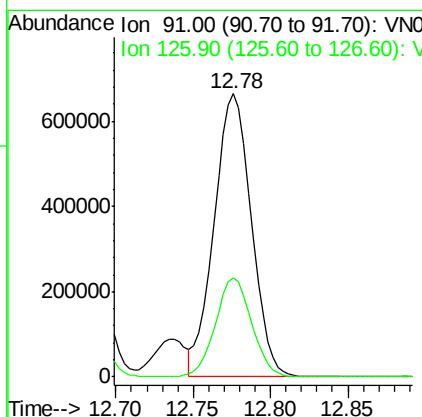
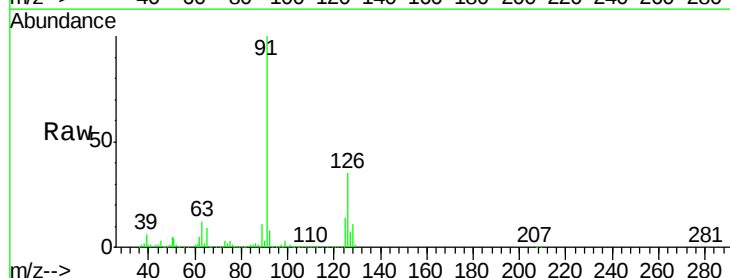
RT: 12.78 min Scan# 3479

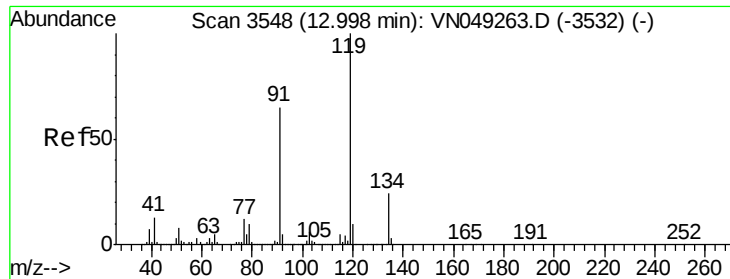
Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Tgt Ion:	91	Resp:	1109062
Ion Ratio	Lower	Upper	
91	100		
126	34.1	16.4	49.1





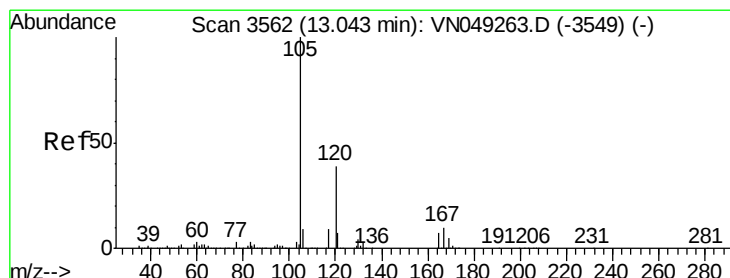
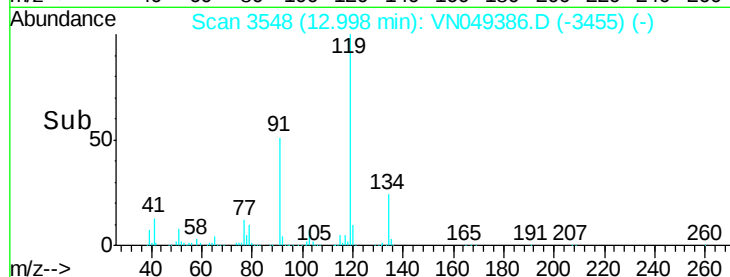
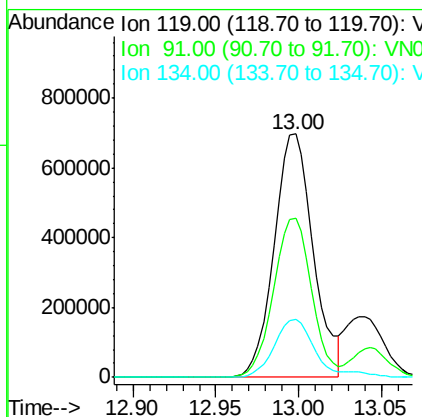
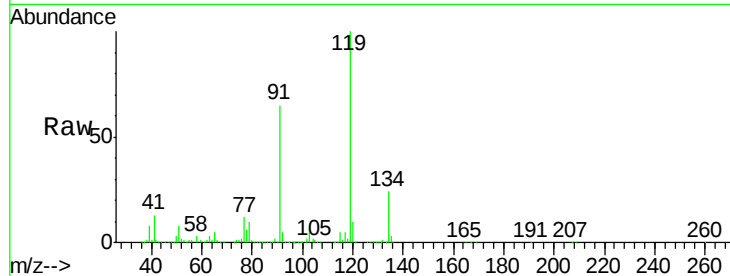
#83
tert-Butylbenzene
Concen: 19.352 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion:119 Resp: 1147619
Ion Ratio Lower Upper
119 100
91 63.4 33.7 101.0
134 25.2 12.9 38.6

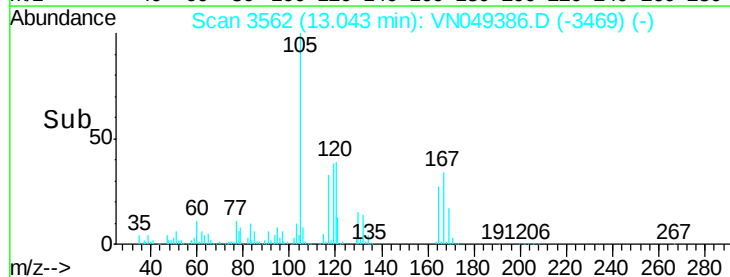
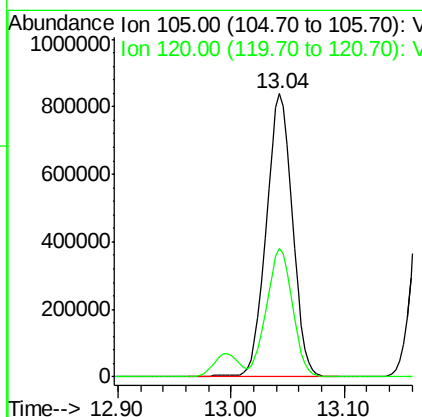
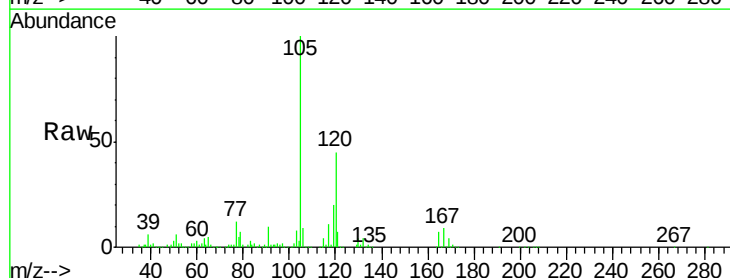
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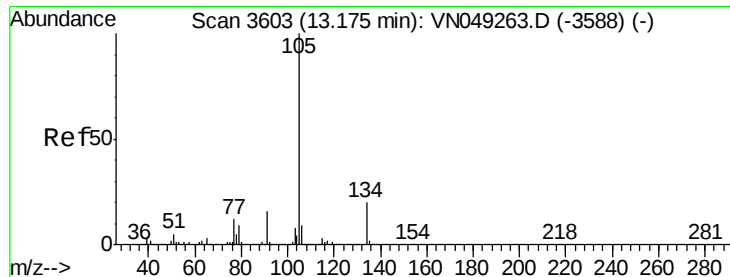
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#84
1,2,4-Trimethylbenzene
Concen: 20.185 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion:105 Resp: 1342228
Ion Ratio Lower Upper
105 100
120 44.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.854 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

ClientSampled :

VN0619WBS01

Tot Ion:105 Resp: 1488142

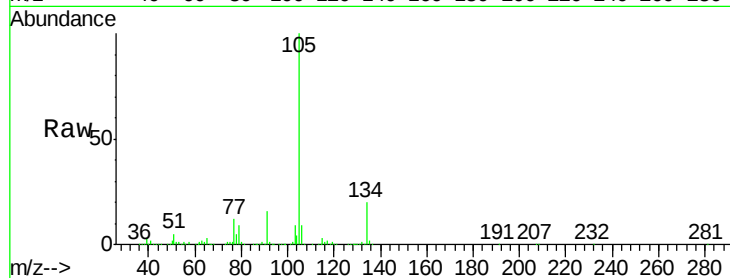
Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.3

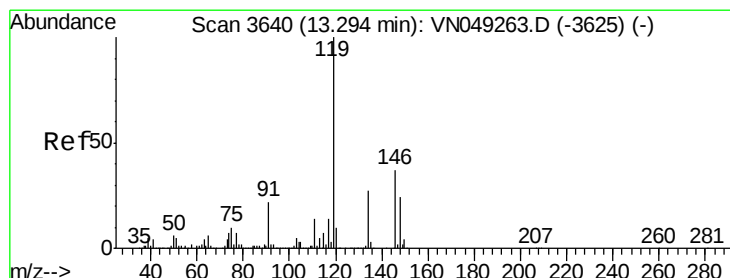
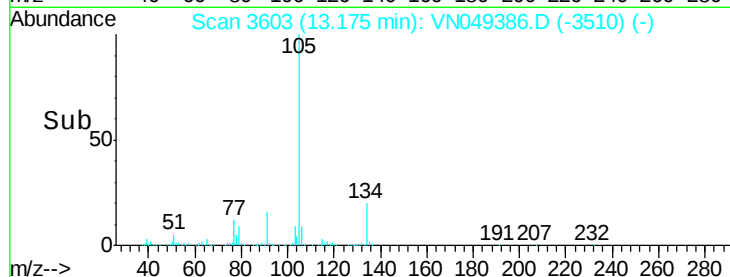
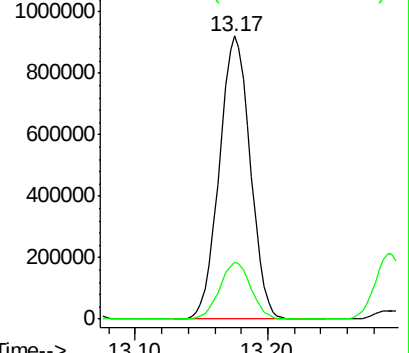
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.181 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

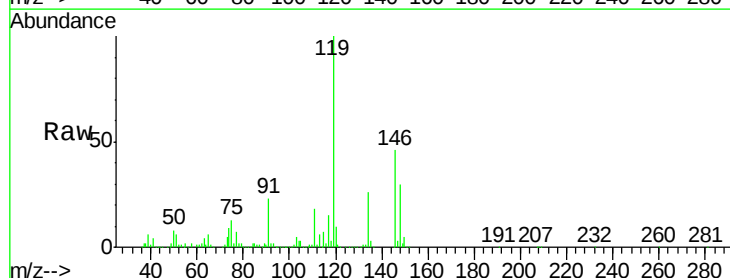
Tgt Ion:119 Resp: 1264858

Ion Ratio Lower Upper

119 100

134 26.1 12.9 38.6

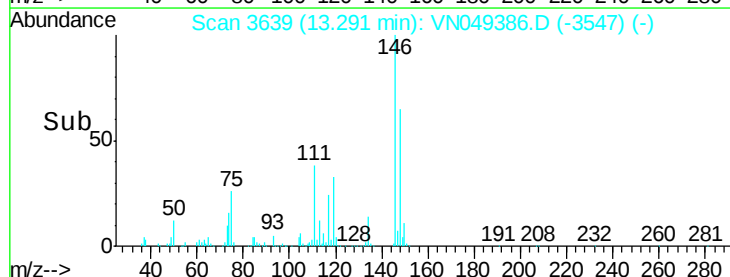
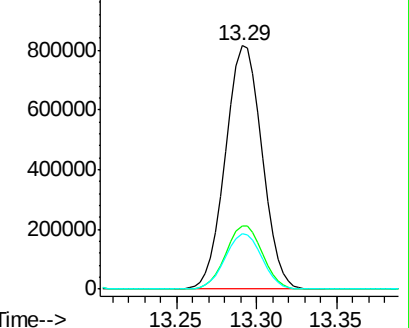
91 22.8 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





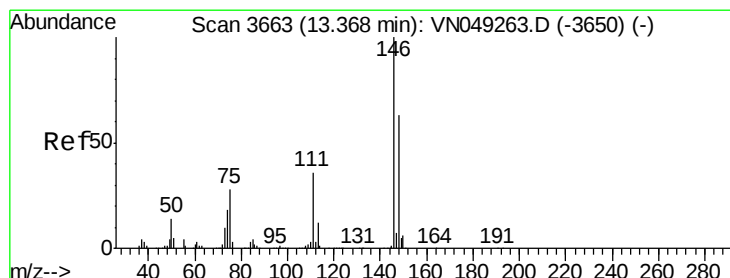
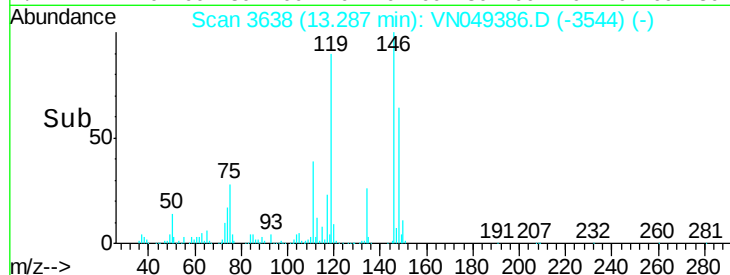
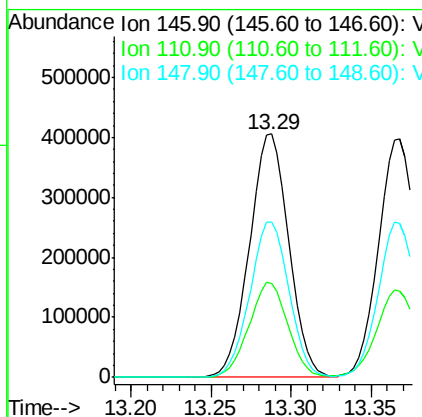
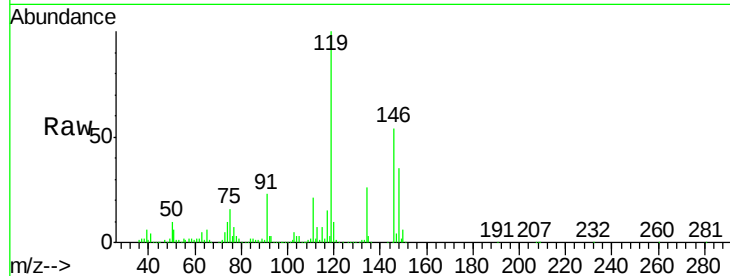
#87
 1,3-Dichlorobenzene
 Concen: 18.534 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.6
148	63.9	32.1	96.5

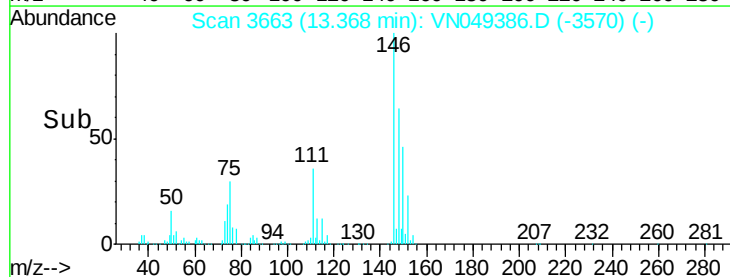
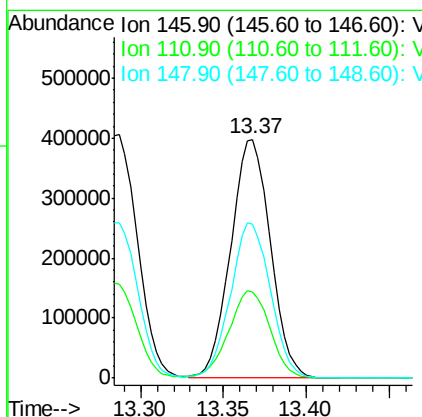
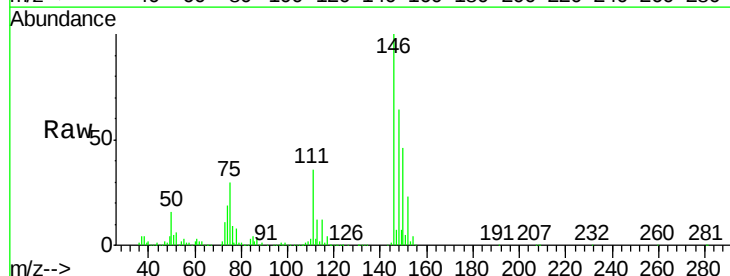
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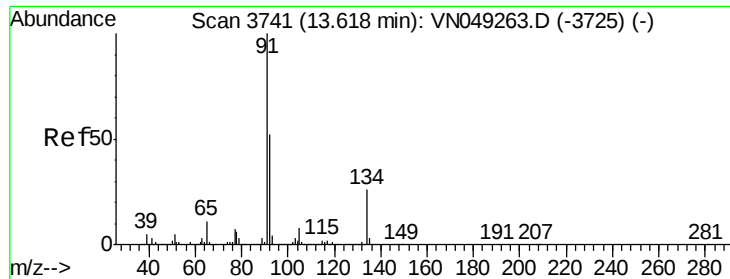
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#88
 1,4-Dichlorobenzene
 Concen: 18.075 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	65.4	32.0	96.2





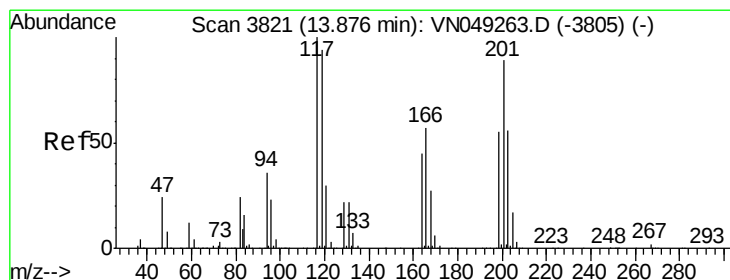
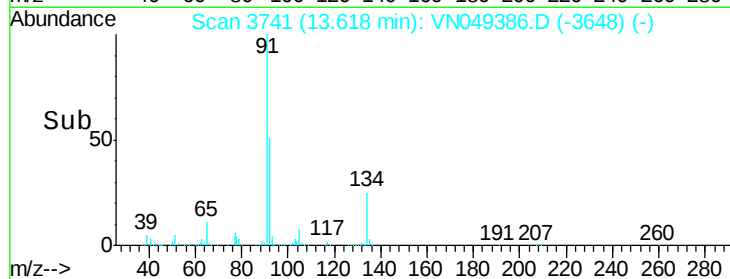
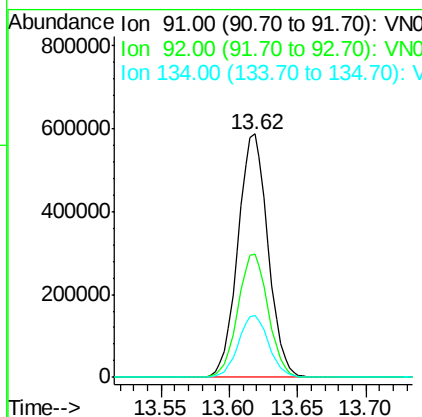
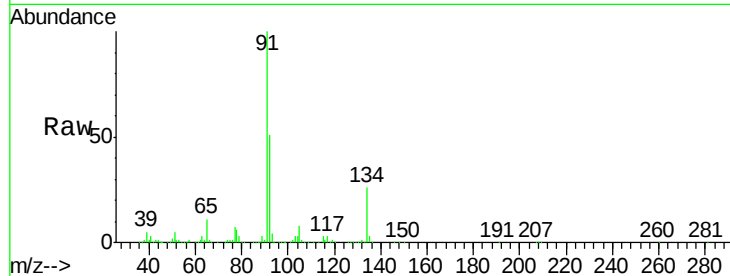
#89
n-Butylbenzene
Concen: 17.440 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.1	75.4
134	25.6	12.0	36.0

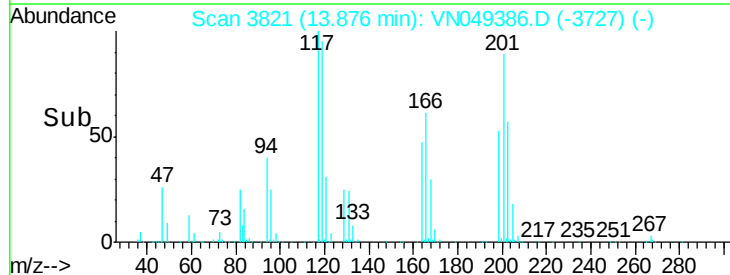
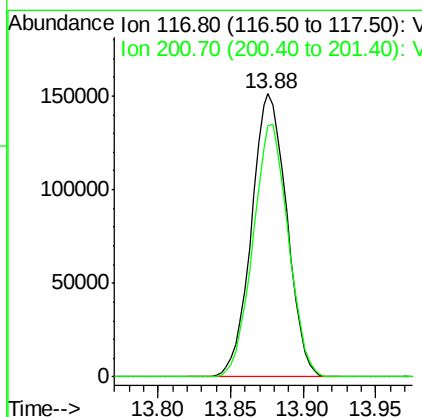
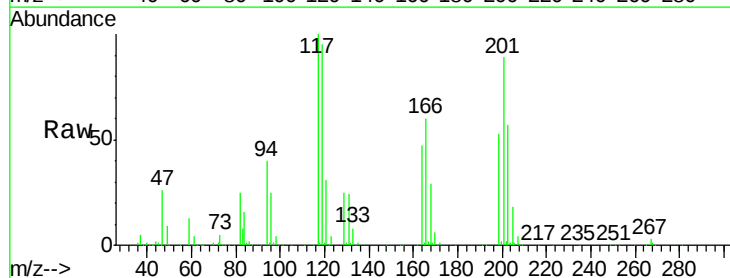
Manual Integrations
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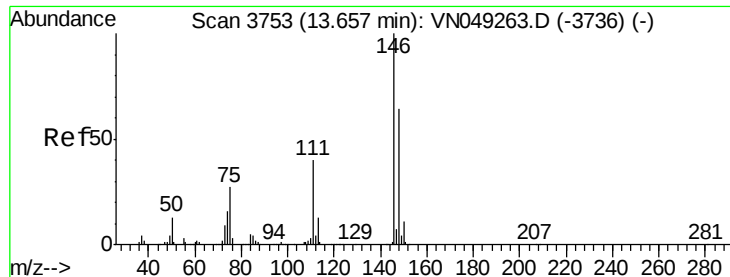
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#90
Hexachloroethane
Concen: 19.506 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049386.D
Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.9	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 18.699 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

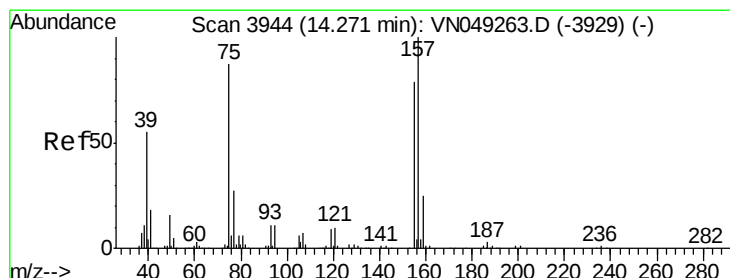
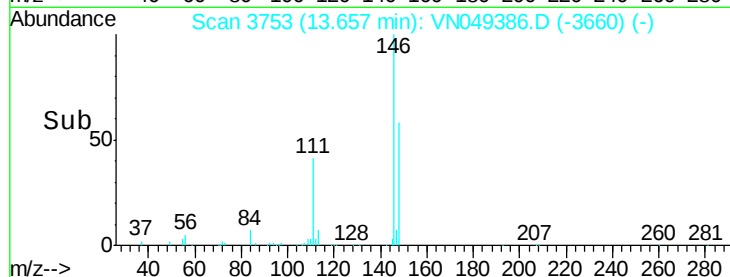
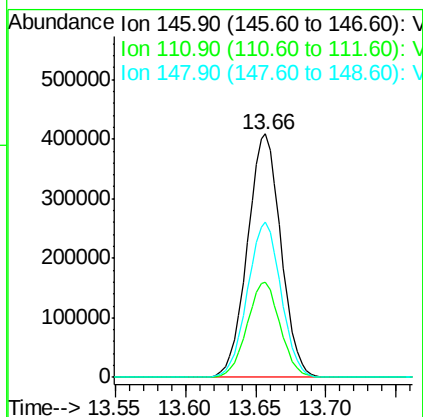
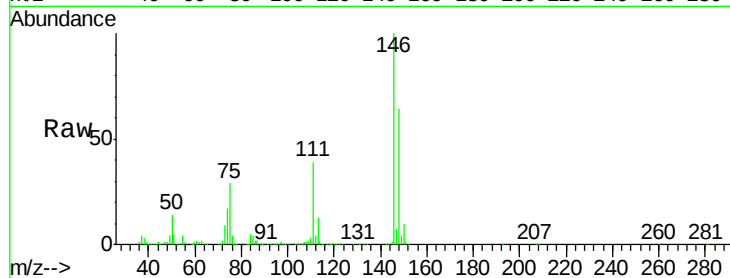
ClientSampleId :

VN0619WBS01

Tot Ion:	146	Resp:	678674
Ion Ratio		Lower	Upper
146	100		
111	38.8	20.8	62.2
148	64.1	32.0	96.2

Manual Integrations
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6/20/2018 4:54:00 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.029 ug/l

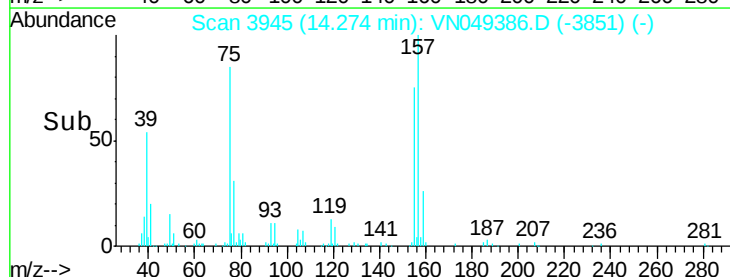
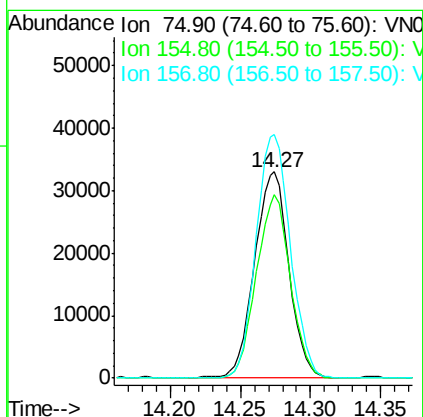
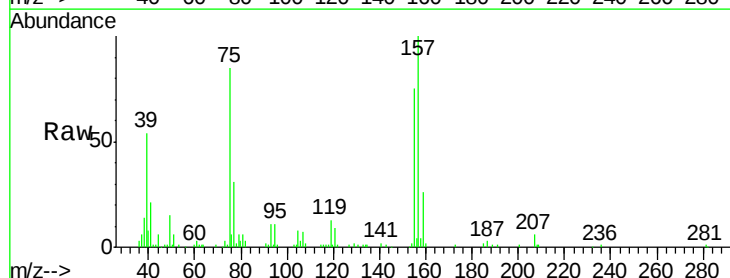
RT: 14.27 min Scan# 3945

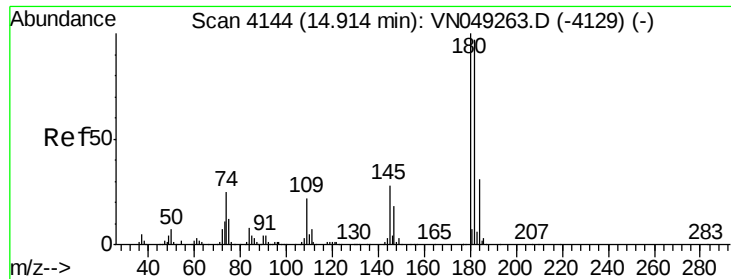
Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Tgt Ion:	75	Resp:	56418
Ion Ratio		Lower	Upper
75	100		
155	87.2	38.8	116.3
157	117.1	51.0	153.1





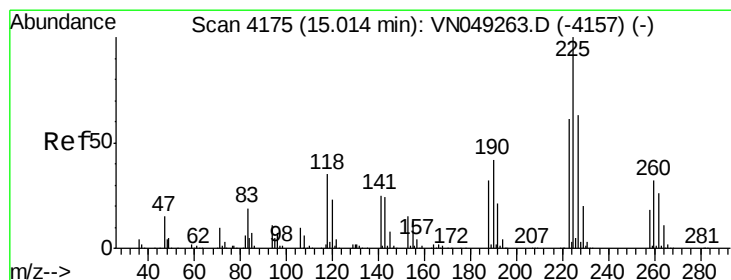
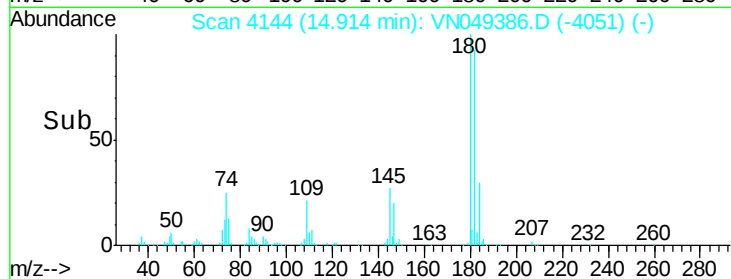
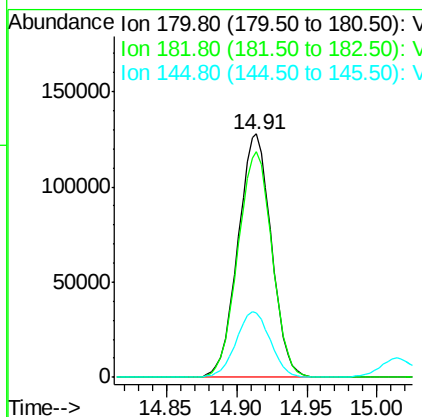
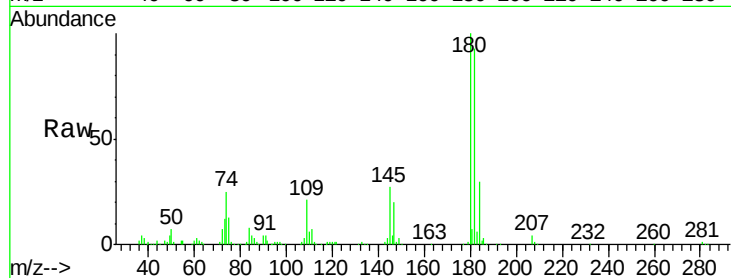
#93
 1,2,4-Trichlorobenzene
 Concen: 16.272 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0619WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	211873		
182	95.0	46.9	140.8	
145	27.7	14.7	44.1	

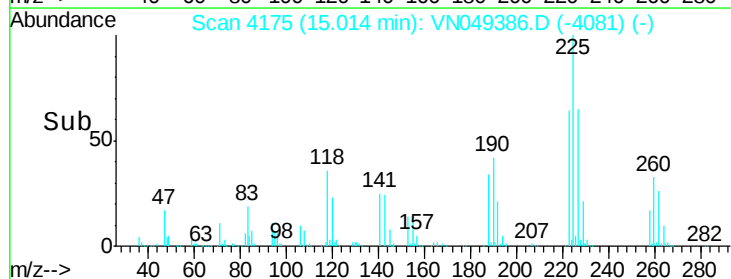
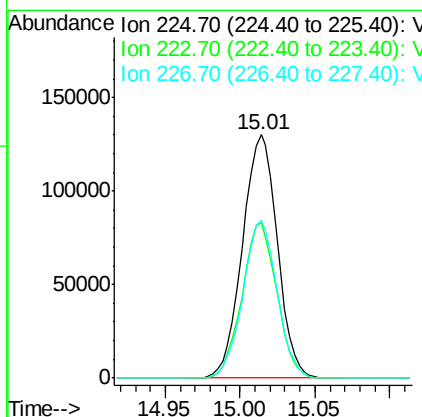
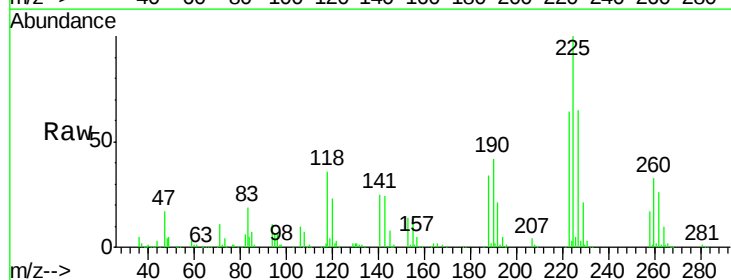
Manual Integrations
 APPROVED

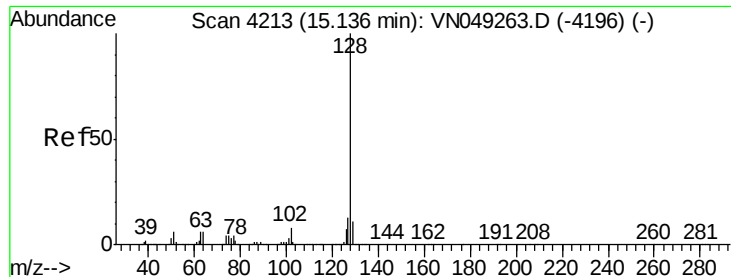
MMDadoda
 6/20/2018 4:54:00 PM



#94
 Hexachlorobutadiene
 Concen: 18.102 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049386.D
 Acq: 19 Jun 2018 15:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	210586		
223	63.5	32.1	96.3	
227	63.3	31.8	95.3	





#95

Naphthalene

Concen: 17.654 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Instrument :

MSVOA_N

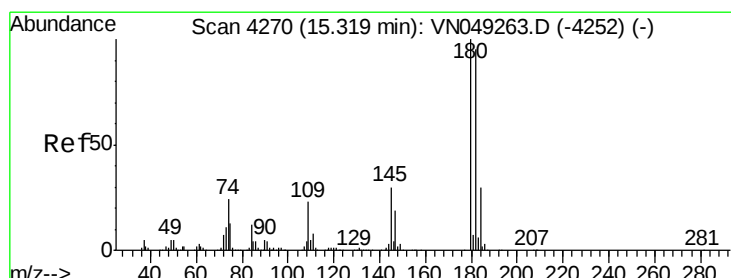
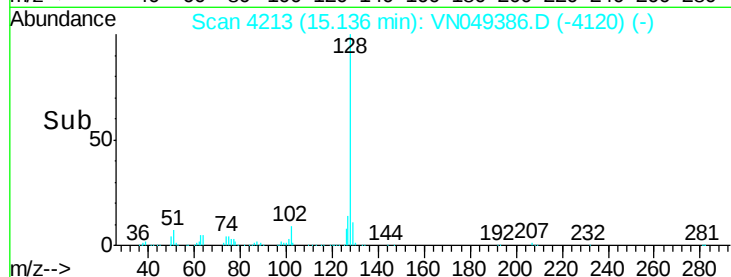
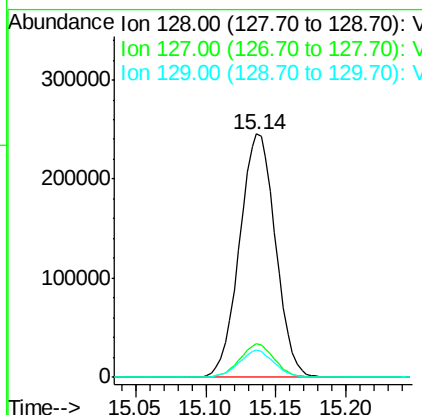
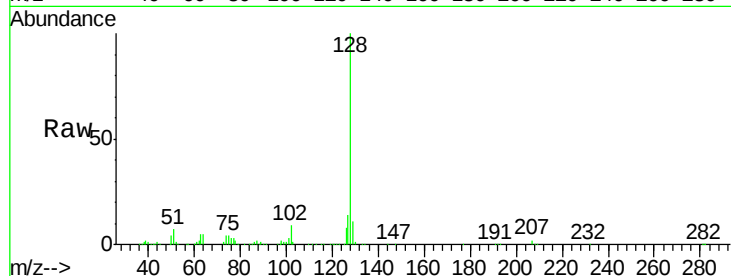
ClientSampleId :

VN0619WBS01

Tot Ion:	128	Resp:	438025
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/20/2018 4:54:00 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.789 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049386.D

Acq: 19 Jun 2018 15:37

Tgt Ion:	180	Resp:	232891
Ion Ratio	Lower	Upper	
180	100		
182	98.4	47.3	141.8
145	30.3	15.6	46.7

