

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050972.D
 Acq On : 30 Aug 2018 19:34
 Operator : MD\SY
 Sample : VN0830WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0830WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/31/2018 11:32:23 AM

Quant Time: Aug 31 06:35:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	118943	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	622082	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	529718	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	226406	29.83	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.43%
60) 4-Bromofluorobenzene	12.40	95	231746	29.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.07%
63) Toluene-d8	10.09	98	773352	31.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.37%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	142110	19.24	ug/l	100
3) Chloromethane	2.06	50	154697	17.74	ug/l	98
4) Vinyl Chloride	2.18	62	157426	18.27	ug/l	99
5) Bromomethane	2.56	94	89938	17.12	ug/l	99
6) Chloroethane	2.70	64	94395	18.57	ug/l	97
7) Trichlorofluoromethane	3.01	101	223437	19.56	ug/l	99
8) Diethyl Ether	3.41	74	76669	19.03	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137467	19.43	ug/l	99
10) 1,1-Dichloroethene	3.73	96	119852	18.65	ug/l	99
11) Methyl Iodide	3.95	142	93991	15.67	ug/l	100
12) Methyl Acetate	4.33	43	154986	20.85	ug/l	99
13) Acrolein	3.61	56	8566	52.05	ug/l	96
14) Acrylonitrile	5.00	53	222276	88.46	ug/l	96
15) Acetone	3.82	58	54270	84.40	ug/l	92
16) Carbon Disulfide	4.05	76	346729	17.94	ug/l	98
17) Allyl chloride	4.33	41	182269	18.02	ug/l	99
18) Methylene Chloride	4.55	84	141902	18.81	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	126744	18.51	ug/l	99
20) Diisopropyl ether	5.96	45	405267	19.31	ug/l	99
21) 1,1-Dichloroethane	5.85	63	247193	19.21	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	143570	18.56	ug/l	99
23) tert-Butyl Alcohol	4.80	59	47437	88.77	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	326192	18.56	ug/l	98
25) Chloroform	7.38	83	250229	19.48	ug/l	99
26) Cyclohexane	7.66	56	189795	17.80	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	176036	18.90	ug/l	99
30) 2-Butanone	6.84	43	251229	87.69	ug/l	99
31) 2,2-Dichloropropane	6.83	77	179792	19.84	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	209101	19.80	ug/l	99
33) Carbon Tetrachloride	7.78	117	184761	19.43	ug/l	98
34) Benzene	8.04	78	554978	19.26	ug/l	98
35) Methacrylonitrile	7.18	41	61128	19.47	ug/l	96
36) 1,2-Dichloroethane	8.13	62	171722	19.71	ug/l	99
37) Trichloroethene	8.84	130	145374	19.31	ug/l	98
38) Methylcyclohexane	9.08	83	178541	17.85	ug/l	100
39) 1,2-Dichloropropane	9.12	63	149126	19.82	ug/l	99
40) Dibromomethane	9.21	93	87291	19.26	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	184439	19.30	ug/l	98
42) Vinyl Acetate	5.90	43	1215346	92.10	ug/l	100
43) Ethyl Acetate	6.94	43	108735	18.53	ug/l	99
44) Isopropyl Acetate	8.17	43	219924	21.24	ug/l	96
45) 1,4-Dioxane	9.20	88	28050	364.60	ug/l	98
46) Methyl methacrylate	9.20	41	93080	17.95	ug/l	96
47) n-amyl Acetate	12.07	43	136656	16.41	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	167720	17.91	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	202713	18.84	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	127441	19.35	ug/l	98
51) Ethyl methacrylate	10.43	69	138967	17.25	ug/l	100
52) 1,3-Dichloropropane	10.71	76	207106	18.98	ug/l	100
53) Dibromochloromethane	10.90	129	141037	18.83	ug/l	98
54) 1,2-Dibromoethane	11.01	107	120840	18.56	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	301408	89.90	ug/l	99
56) Bromoform	12.13	173	96124	18.05	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	567006	93.55	ug/l	99
59) 2-Hexanone	10.75	43	356237	89.92	ug/l	98
61) Tetrachloroethene	10.63	164	131791	19.97	ug/l	98
62) Toluene	10.16	91	581533	19.68	ug/l	100
64) Chlorobenzene	11.44	112	346600	18.92	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	138443	20.02	ug/l	99
66) Ethyl Benzene	11.51	91	562759	18.38	ug/l	98
67) m/p-Xylenes	11.62	106	451302	38.32	ug/l	99
68) o-Xylene	11.95	106	212847	18.91	ug/l	100
69) Styrene	11.97	104	332234	18.57	ug/l	99
70) Isopropylbenzene	12.25	105	564936	18.89	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	157551	19.46	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	125478m	17.96	ug/l	
73) Bromobenzene	12.53	156	147825	18.79	ug/l	100
74) n-propylbenzene	12.59	91	622309	18.41	ug/l	99
75) 2-Chlorotoluene	12.68	91	390697	19.02	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	464388	19.00	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34508	17.34	ug/l	98
78) 4-Chlorotoluene	12.77	91	380313	18.80	ug/l	99
79) tert-butylbenzene	12.99	119	400414	18.87	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	468344	19.22	ug/l	100
81) sec-Butylbenzene	13.17	105	520329	18.74	ug/l	100
82) p-Isopropyltoluene	13.29	119	440947	18.40	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	244250	18.36	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	230271	18.27	ug/l	99
85) n-Butylbenzene	13.62	91	309338	16.91	ug/l	99
86) Hexachloroethane	13.88	117	85896	18.67	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	246520	18.83	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20796	18.36	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	86900	14.91	ug/l	99
90) Hexachlorobutadiene	15.01	225	76550	19.33	ug/l	99
91) Naphthalene	15.13	128	170810	17.95	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	96185	16.44	ug/l	99

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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

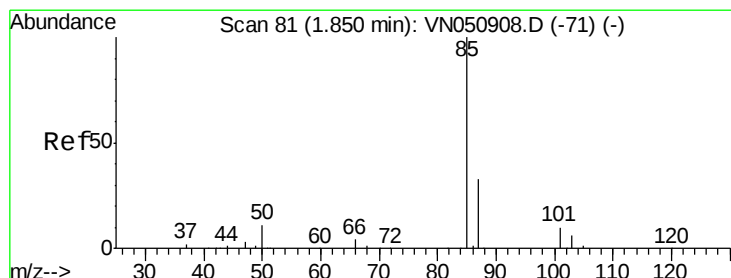
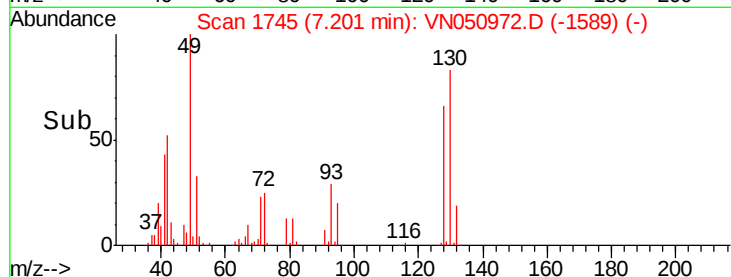
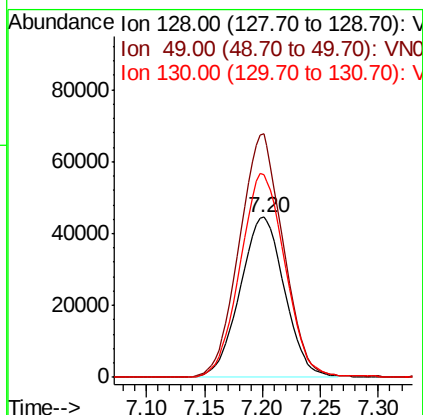
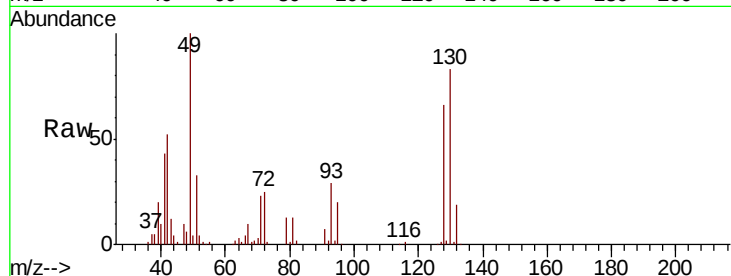
ClientSampleId :

VN0830WBS02

Tot Ion:	128	Resp:	118943
Ion	Ratio	Lower	Upper
128	100		
49	149.9	0.0	380.3
130	128.3	0.0	325.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 19.24 ug/l

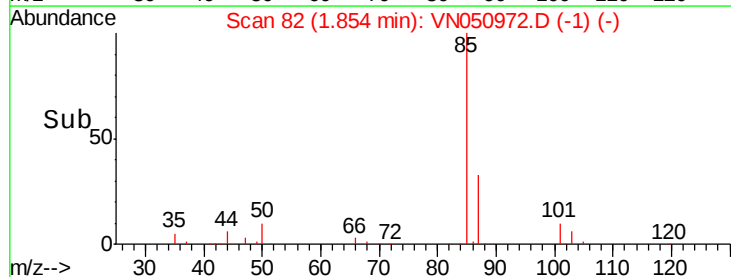
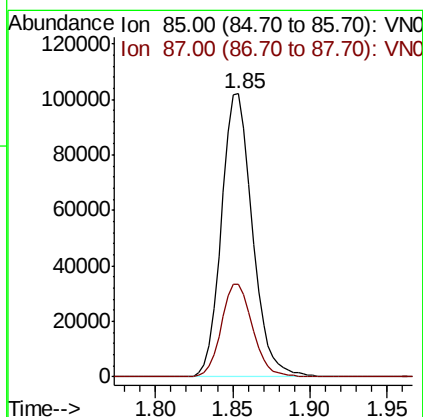
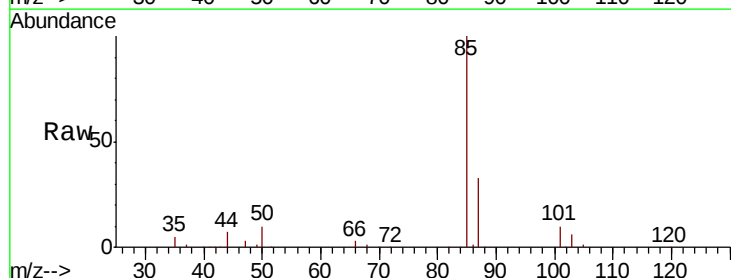
RT: 1.85 min Scan# 82

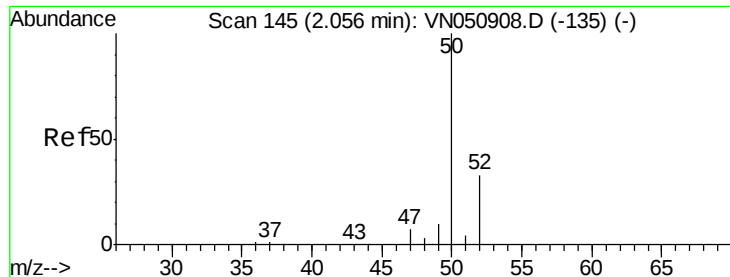
Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Tgt Ion:	85	Resp:	142110
Ion	Ratio	Lower	Upper
85	100		
87	32.8	16.4	49.1





#3

Chloromethane

Concen: 17.74 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

Tot Ion: 50 Resp: 154697

Ion Ratio Lower Upper

50 100

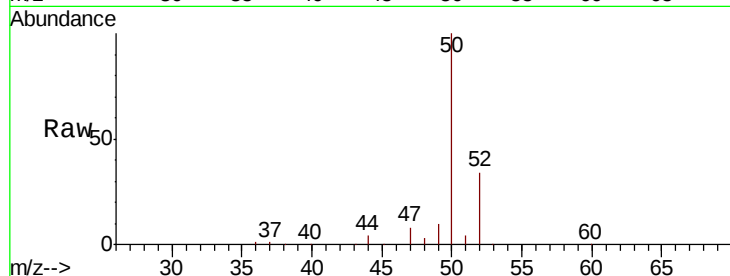
52 33.9 26.2 39.4

Manual Integrations

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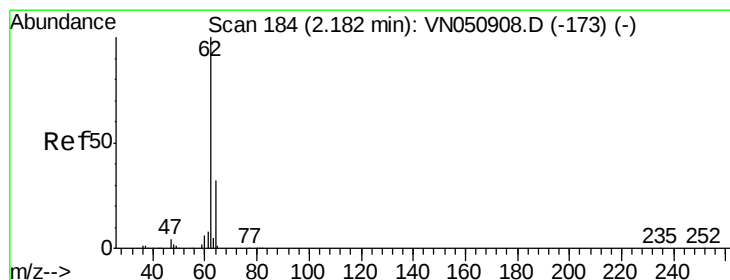
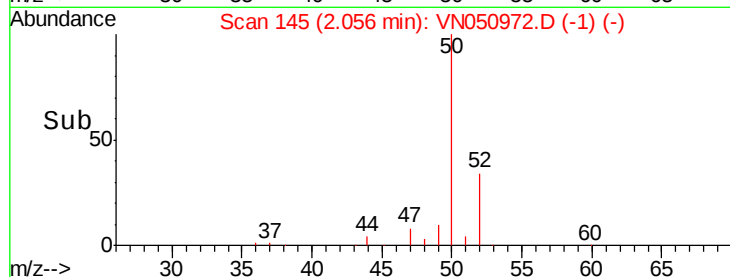
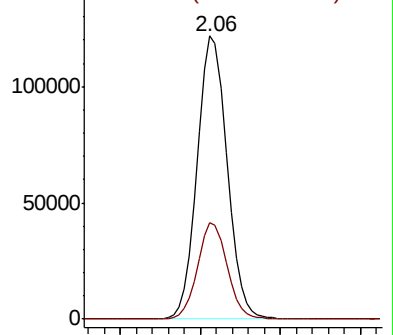
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.27 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050972.D

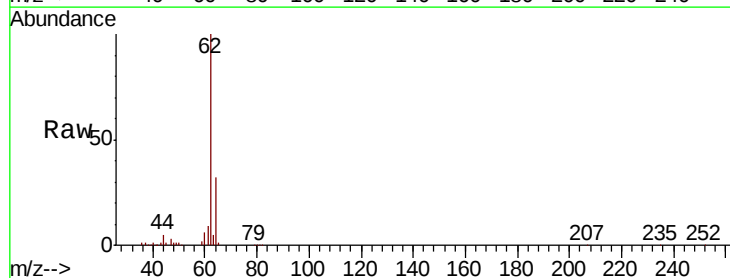
Acq: 30 Aug 2018 19:34

Tgt Ion: 62 Resp: 157426

Ion Ratio Lower Upper

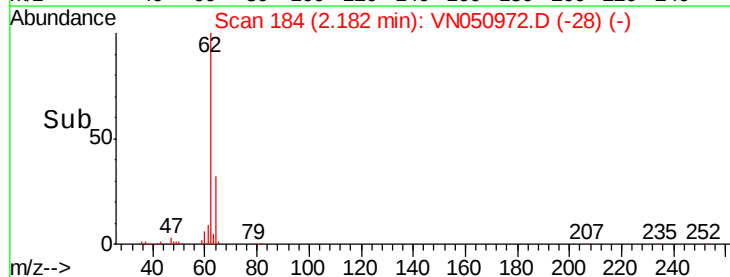
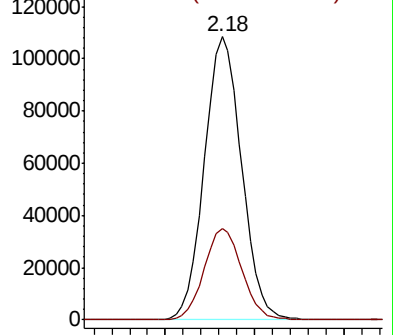
62 100

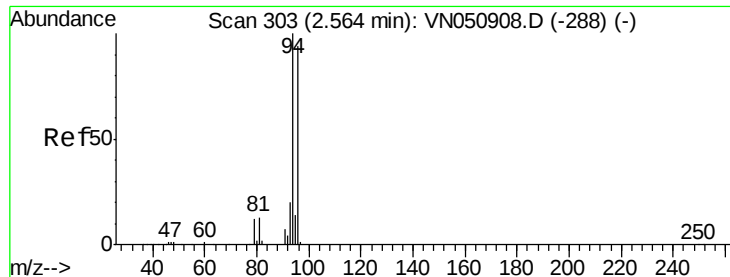
64 32.4 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 17.12 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

Tot Ion: 94 Resp: 89938

Ion Ratio Lower Upper

94 100

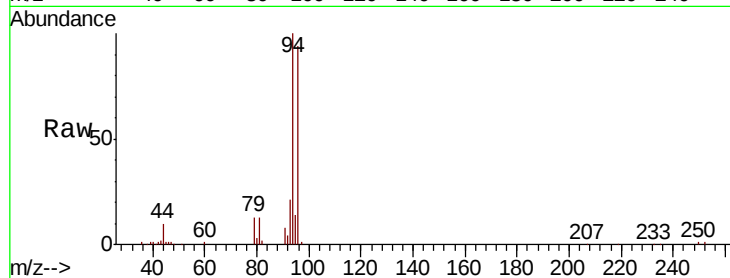
96 94.4 74.9 112.3

Manual Integrations

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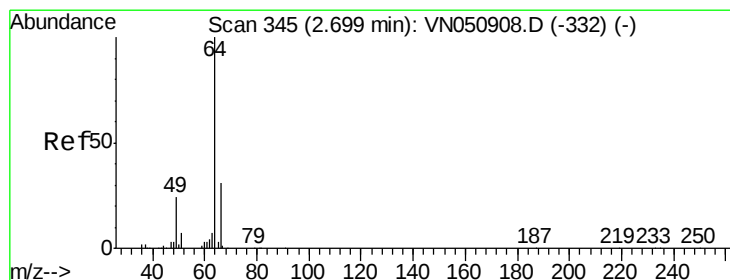
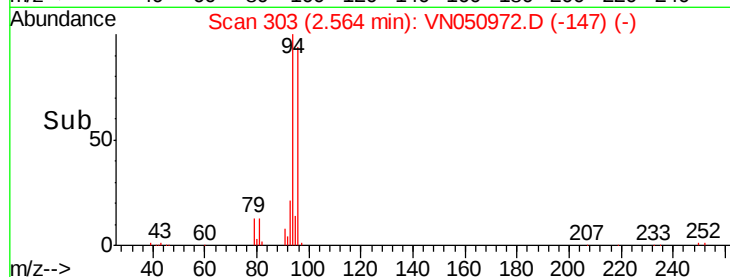
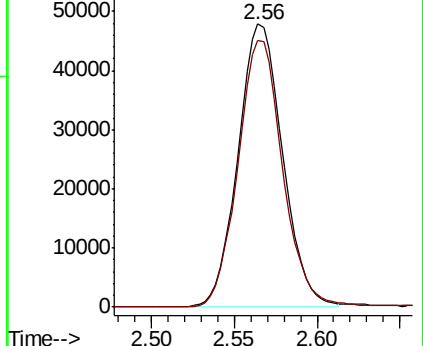
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.57 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050972.D

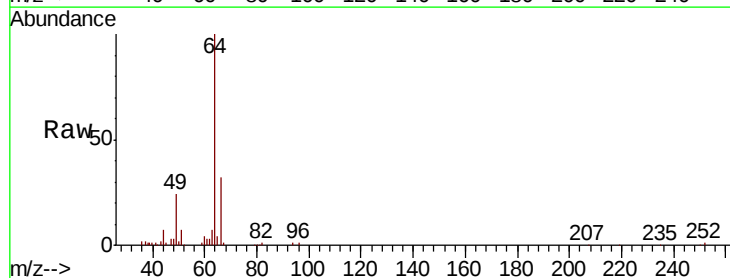
Acq: 30 Aug 2018 19:34

Tgt Ion: 64 Resp: 94395

Ion Ratio Lower Upper

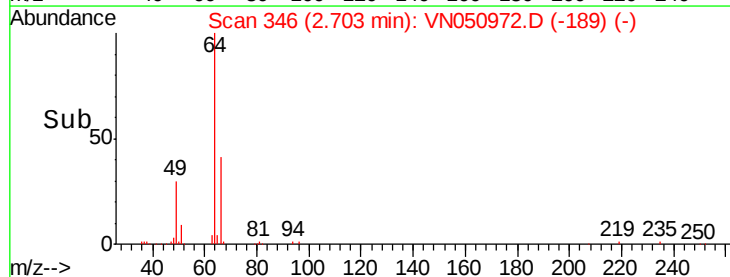
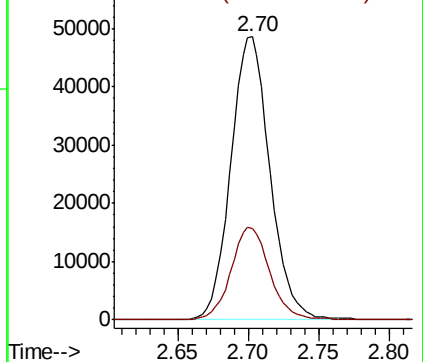
64 100

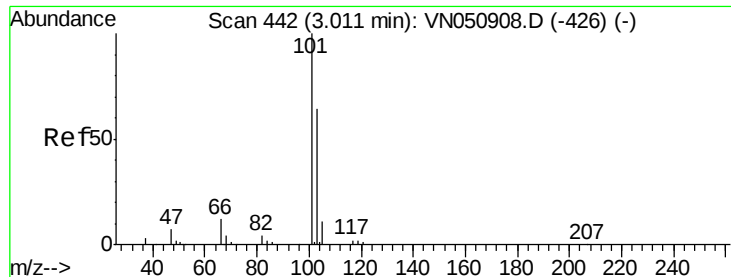
66 32.4 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

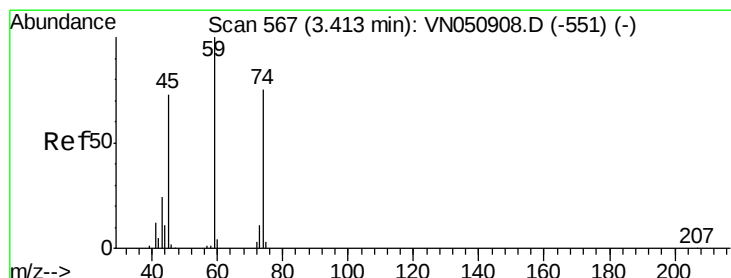
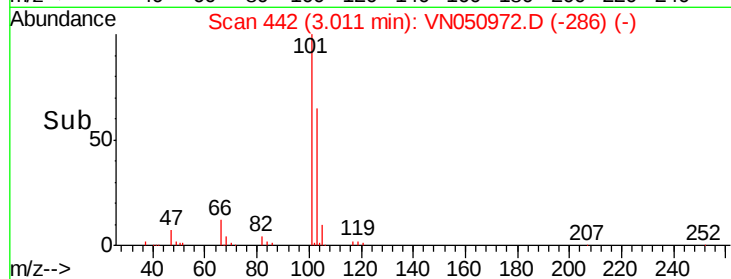
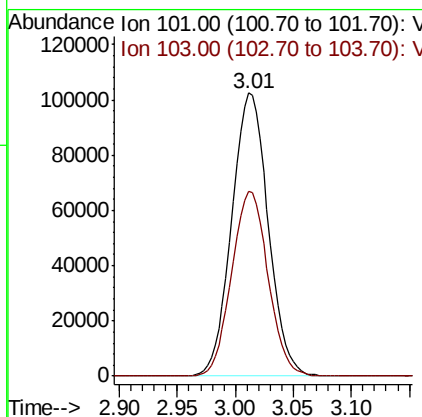
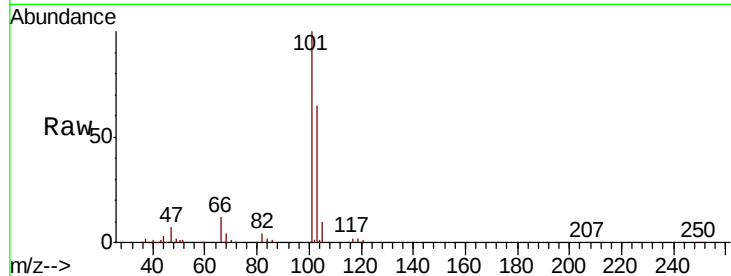
Trichlorofluoromethane
 Concen: 19.56 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

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 ClientSampleId :
 VN0830WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.3	76.9

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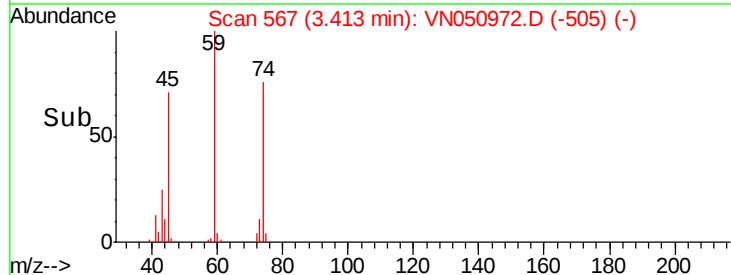
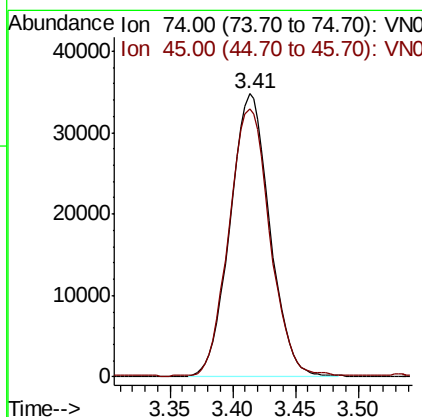
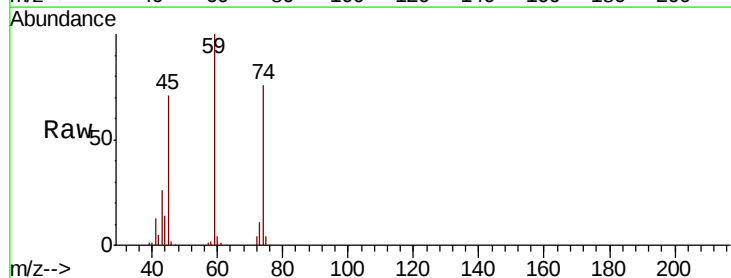
MMDadoda
 8/31/2018 11:32:23 AM

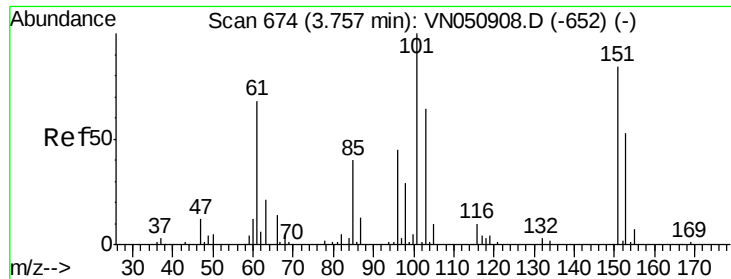


#8

Diethyl Ether
 Concen: 19.03 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	19.7	177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.43 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

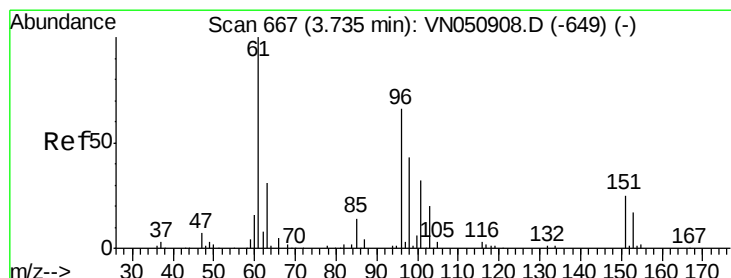
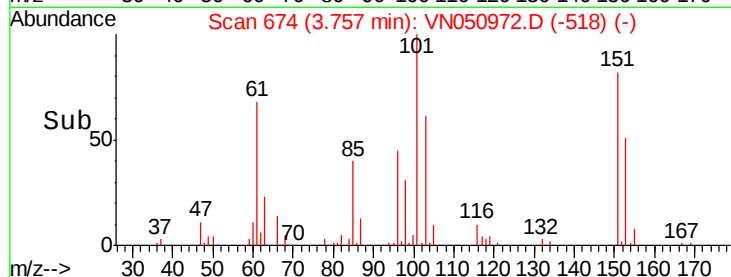
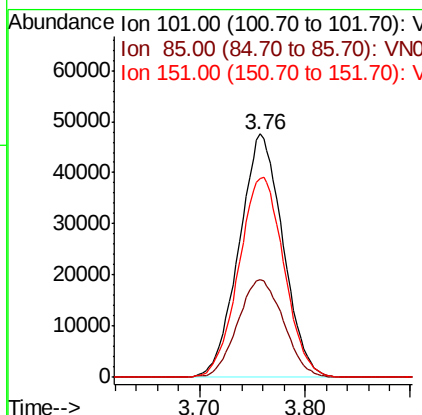
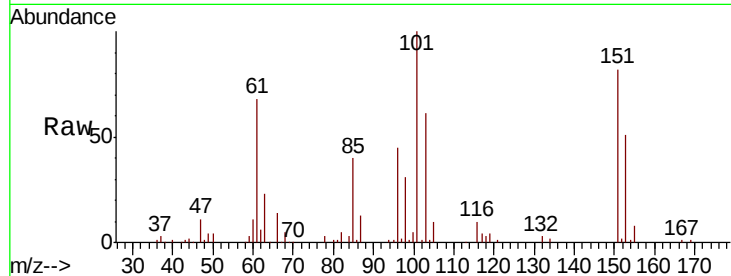
ClientSampleId :

VN0830WBS02

Tot Ion:	101	Resp:	137467
Ion Ratio	Lower	Upper	
101	100		
85	41.8	0.0	83.6
151	84.9	0.0	167.0

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.65 ug/l

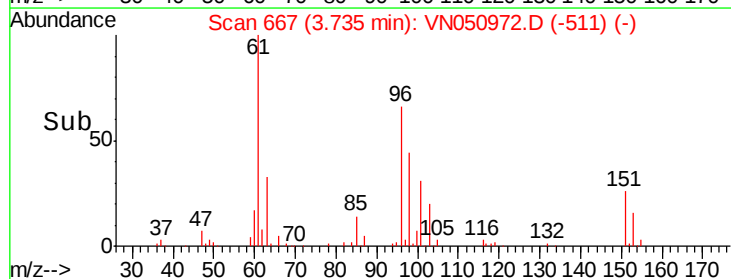
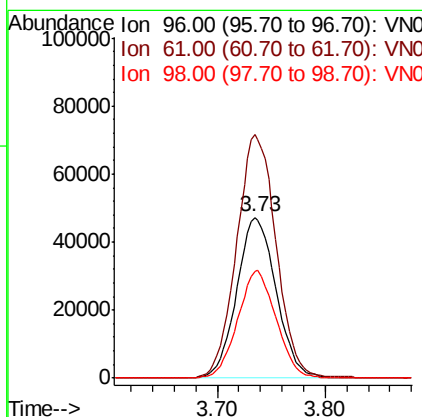
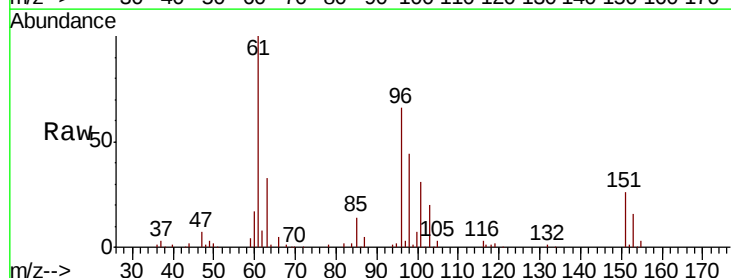
RT: 3.73 min Scan# 667

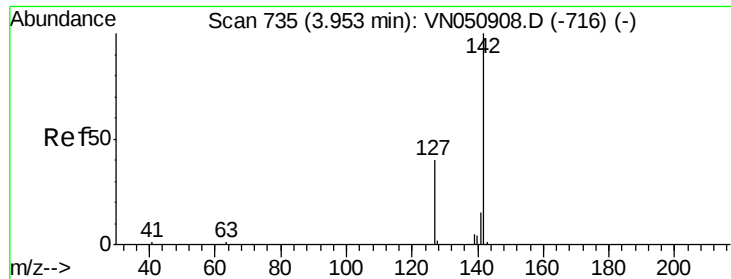
Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Tgt Ion:	96	Resp:	119852
Ion Ratio	Lower	Upper	
96	100		
61	151.7	121.8	182.8
98	66.6	52.3	78.5





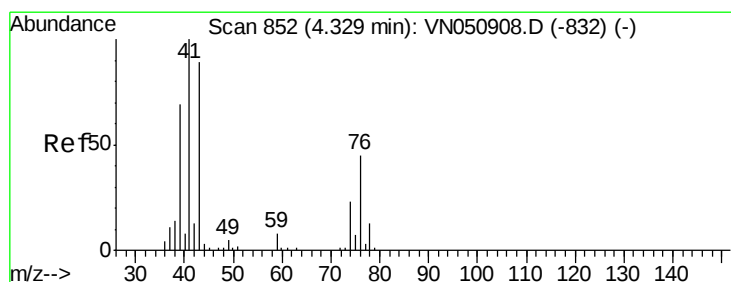
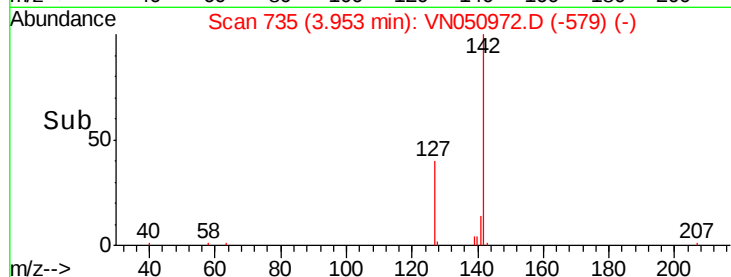
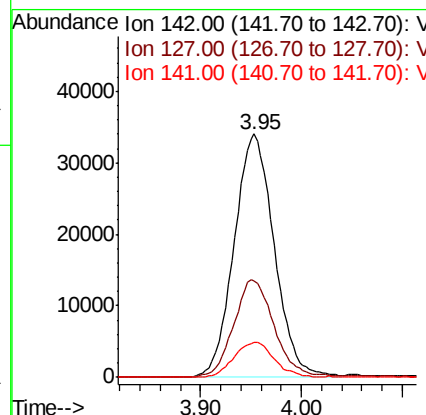
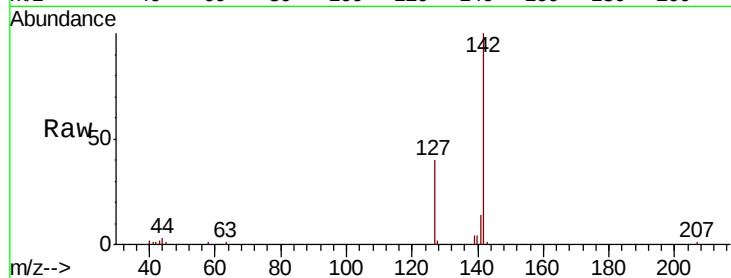
#11
Methyl Iodide
Concen: 15.67 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.6	19.7	59.1
141	14.2	7.3	22.0

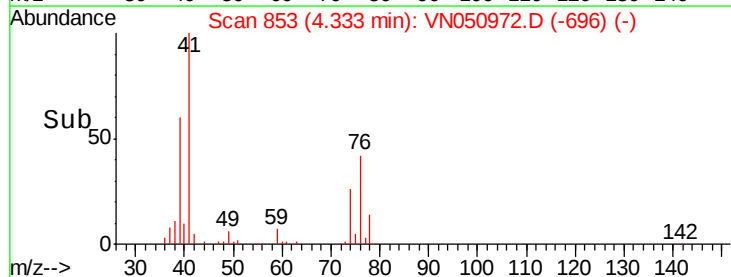
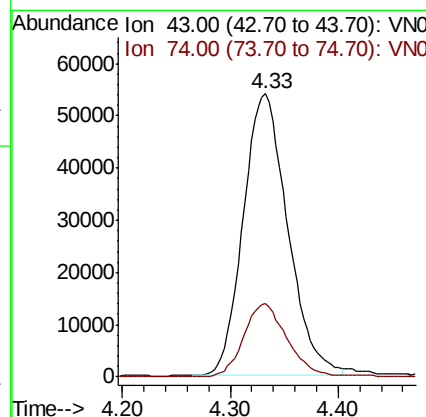
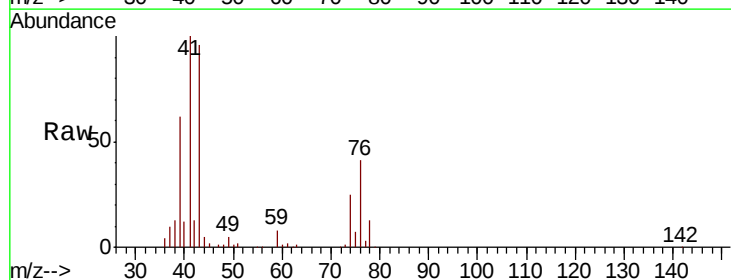
Manual Integrations
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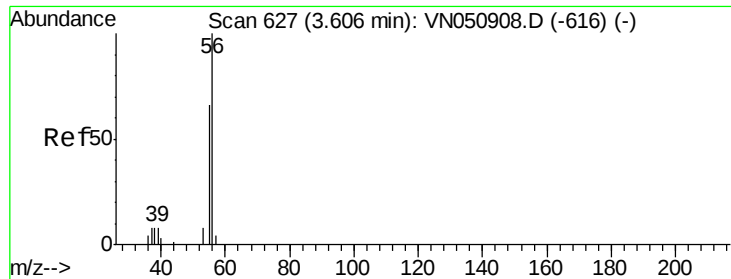
MMDadoda
8/31/2018 11:32:23 AM



#12
Methyl Acetate
Concen: 20.85 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	20.6	31.0





#13

Acrolein

Concen: 52.05 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

Tot Ion: 56 Resp: 8566

Ion Ratio Lower Upper

56 100

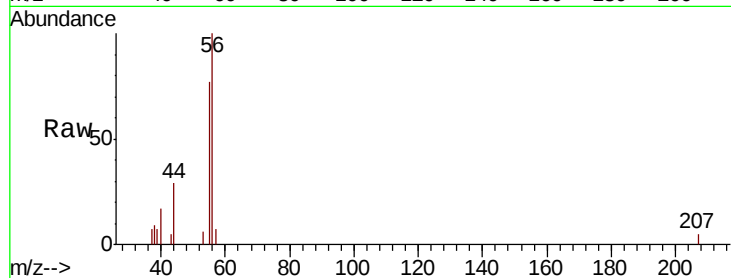
55 70.3 59.1 88.7

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

4000

3000

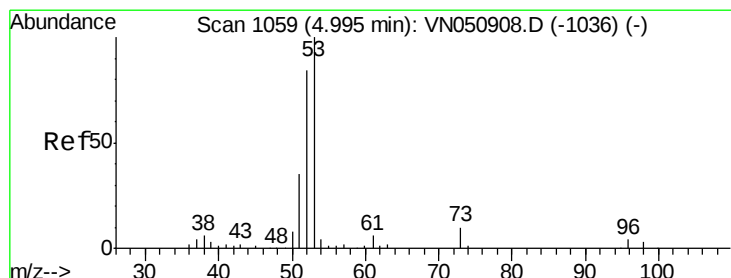
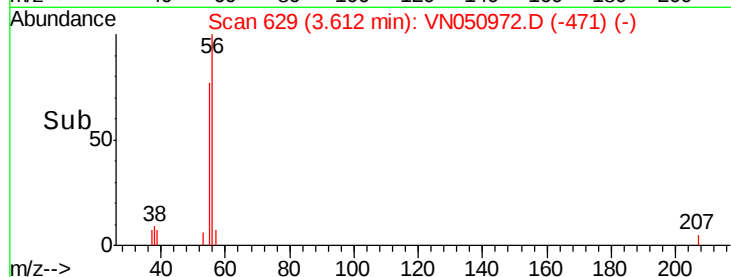
2000

1000

0

Time-->

3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 88.46 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

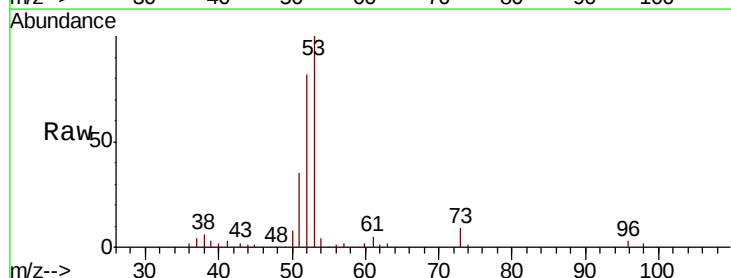
Tgt Ion: 53 Resp: 222276

Ion Ratio Lower Upper

53 100

52 80.1 42.2 126.6

51 35.9 17.7 53.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

80000

60000

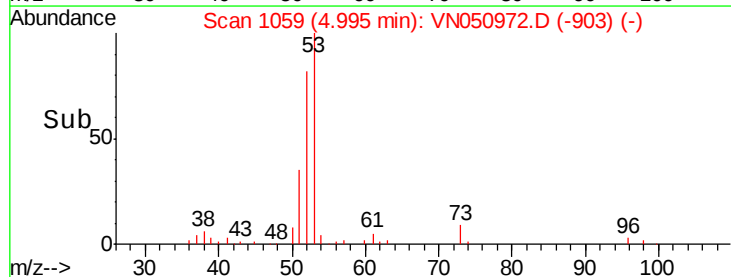
40000

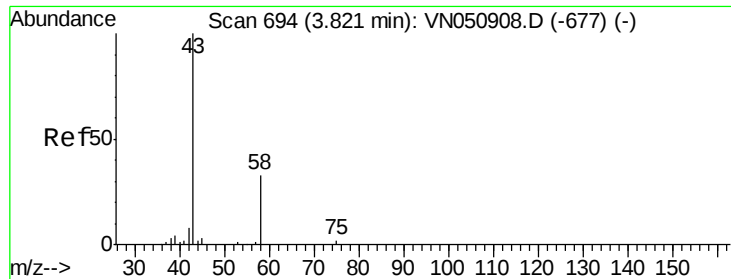
20000

0

Time-->

4.90 5.00 5.10





#15

Acetone

Concen: 84.40 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS02

Tot Ion: 58 Resp: 54270

Ion Ratio Lower Upper

58 100

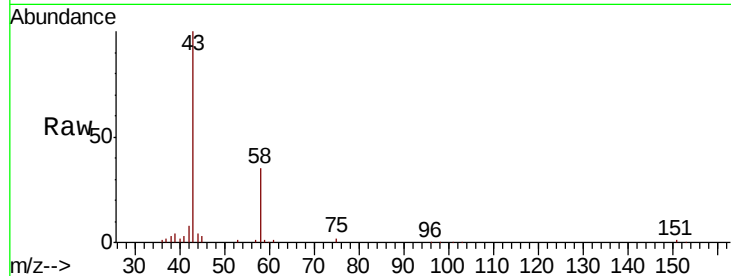
43 284.1 239.4 359.0

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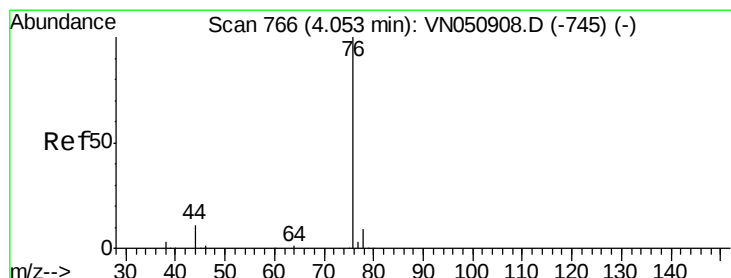
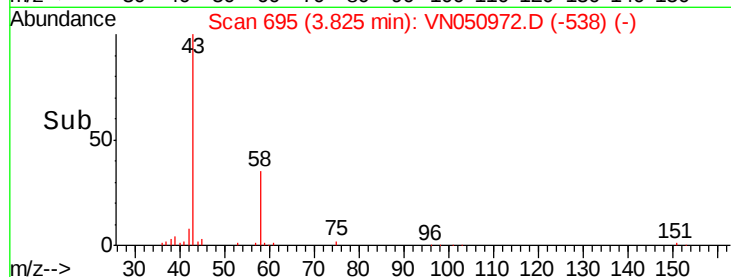
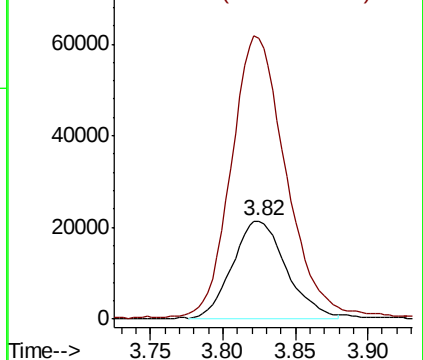
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.94 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050972.D

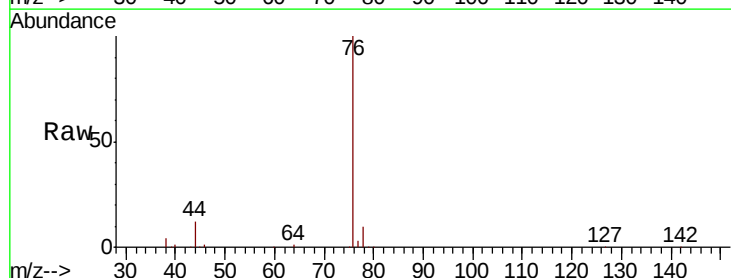
Acq: 30 Aug 2018 19:34

Tgt Ion: 76 Resp: 346729

Ion Ratio Lower Upper

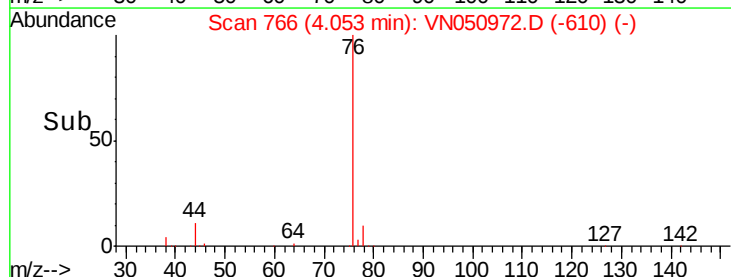
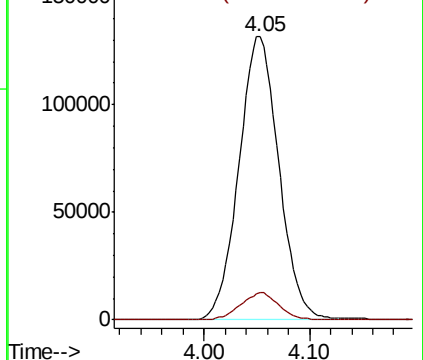
76 100

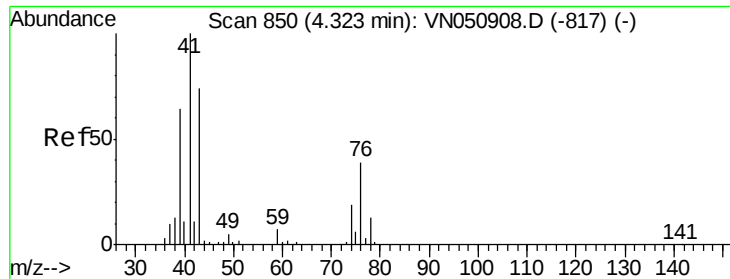
78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





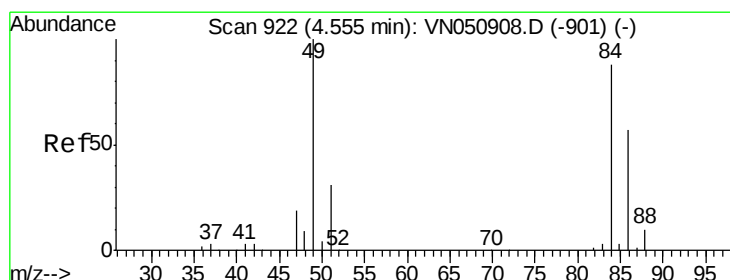
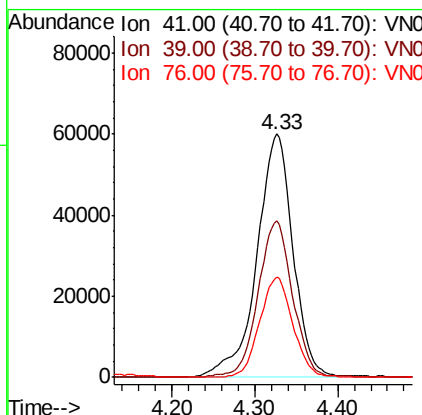
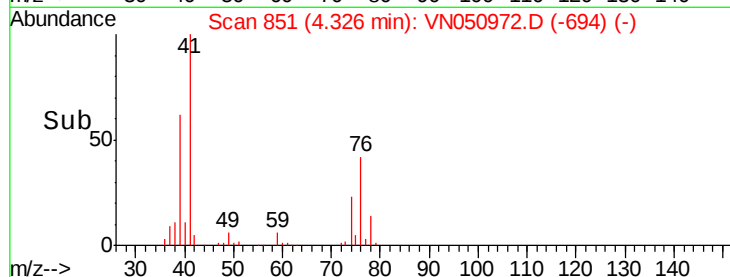
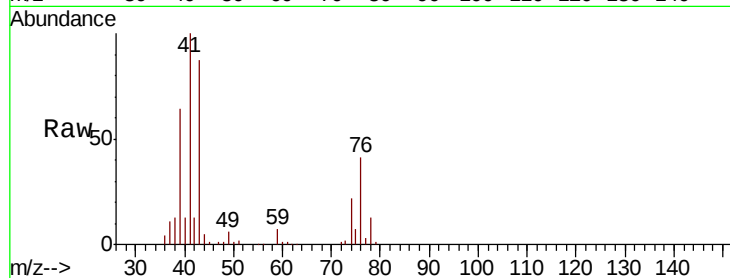
#17
Allvl chloride
Concen: 18.02 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion:	41	Resp:	182269
Ion	Ratio	Lower	Upper
41	100		
39	64.3	32.2	96.6
76	40.7	19.6	58.7

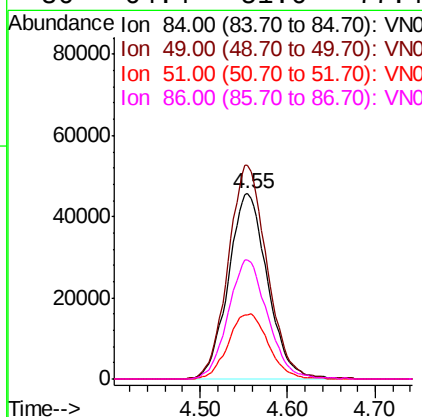
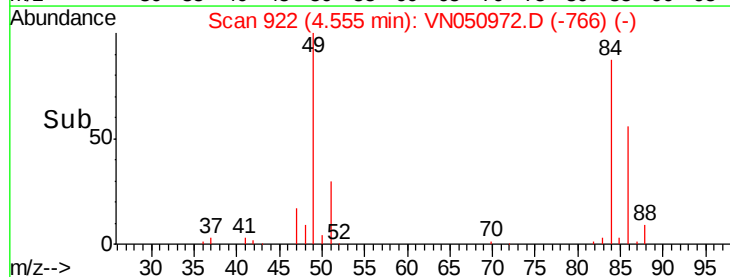
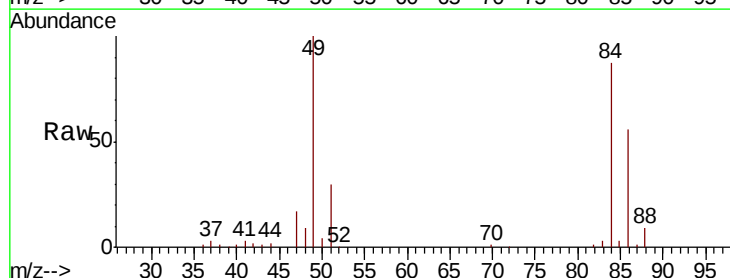
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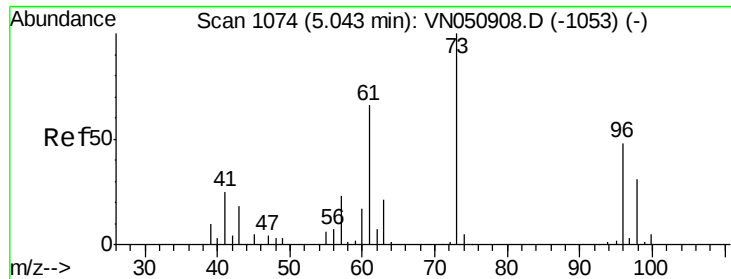
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#18
Methylene Chloride
Concen: 18.81 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion:	84	Resp:	141902
Ion	Ratio	Lower	Upper
84	100		
49	115.0	90.6	135.8
51	34.9	28.4	42.6
86	64.4	51.6	77.4





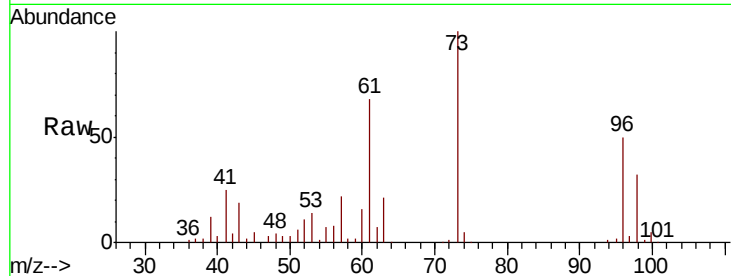
#19
trans-1,2-Dichloroethene
Concen: 18.51 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.1	109.5	164.3
98	63.8	51.9	77.9

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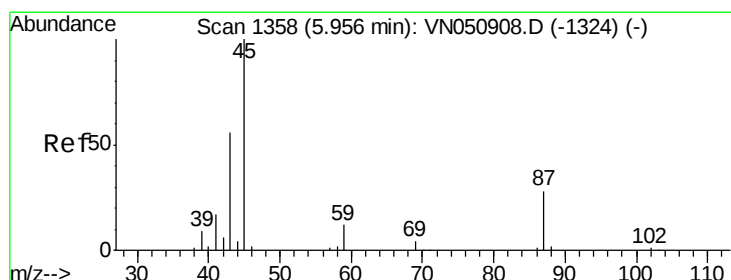
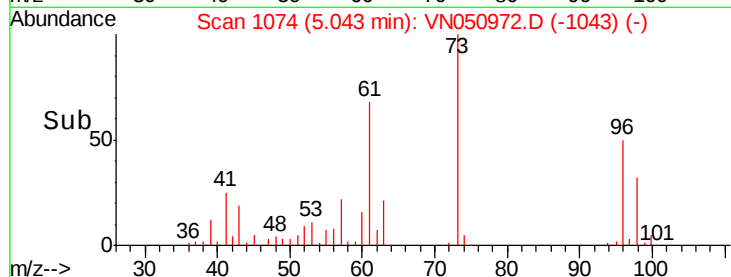
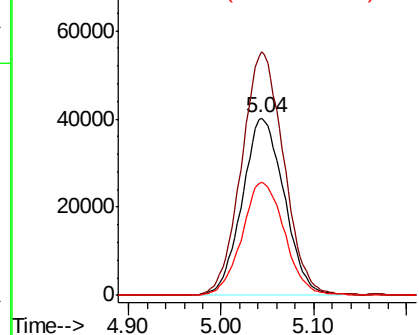


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.31 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	47.0	70.6
87	28.8	22.8	34.2
59	12.4	9.5	14.3

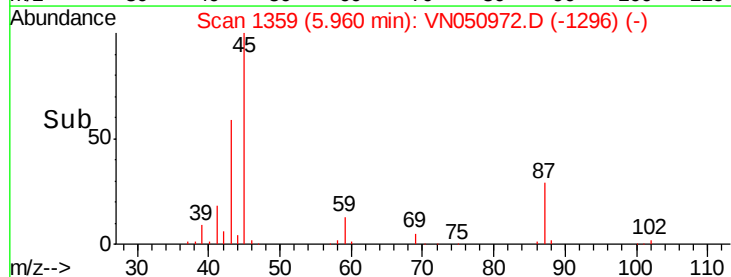
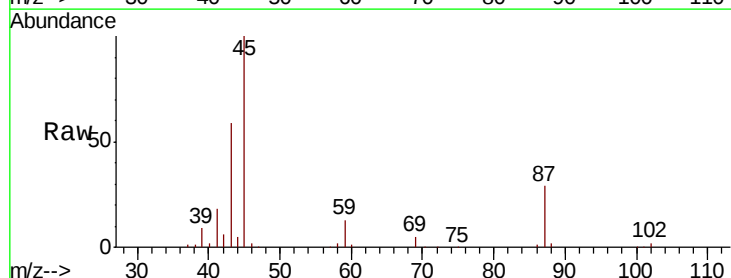
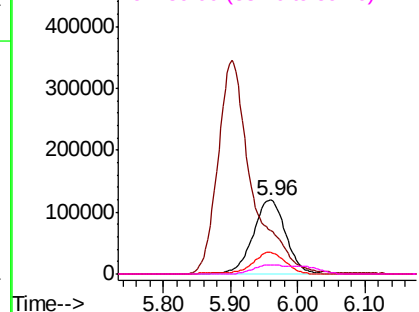
Abundance

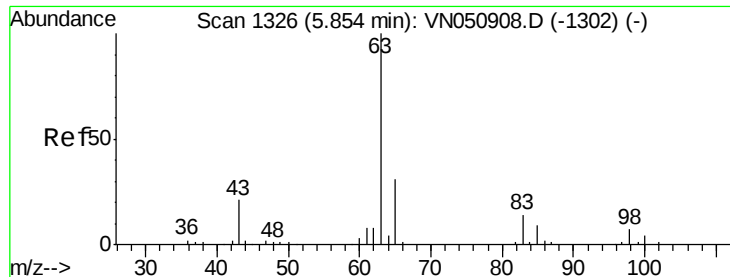
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





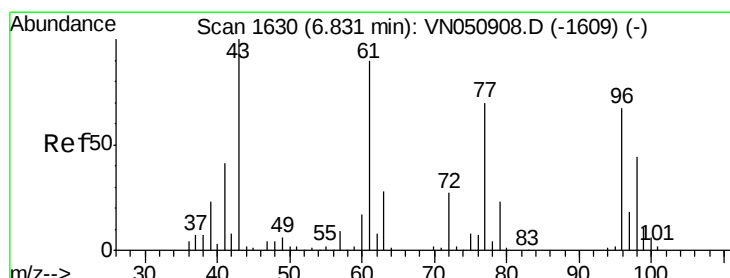
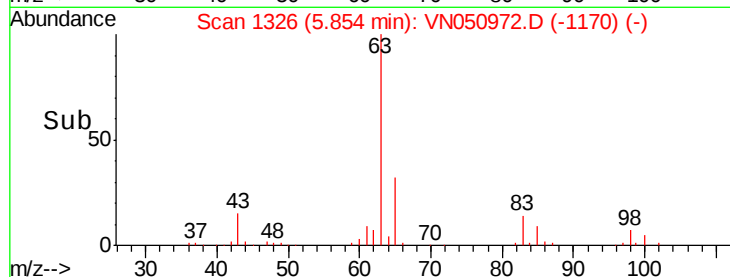
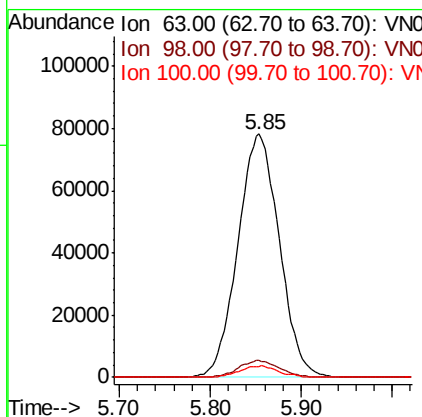
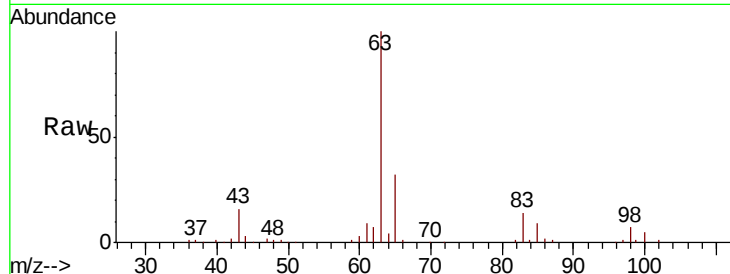
#21
 1,1-Dichloroethane
 Concen: 19.21 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

Tot Ion	Ratio	Resp	Lower	Upper
63	100	247193		
98	7.0	3.3	9.9	
100	4.5	2.0	6.0	

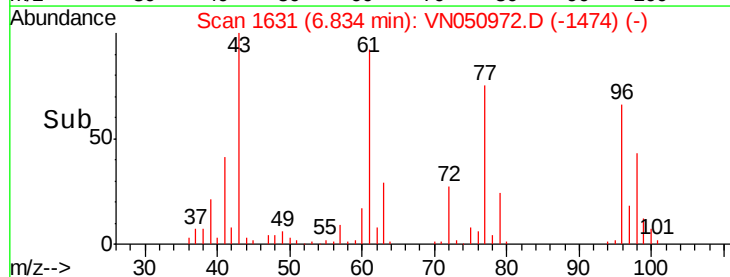
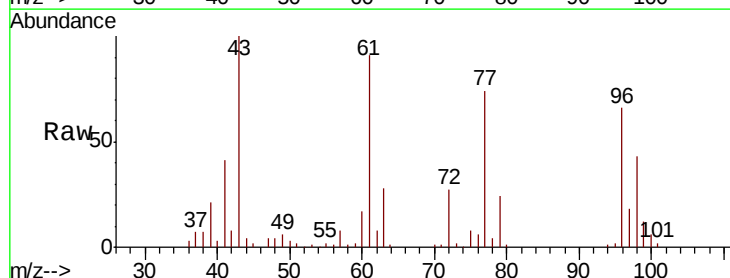
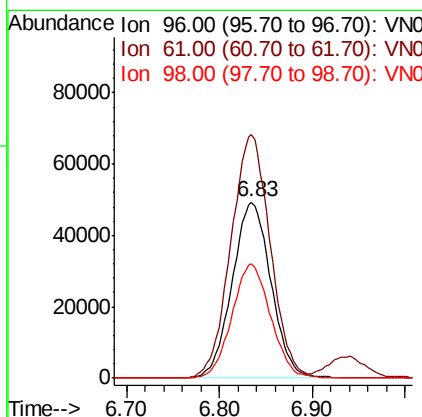
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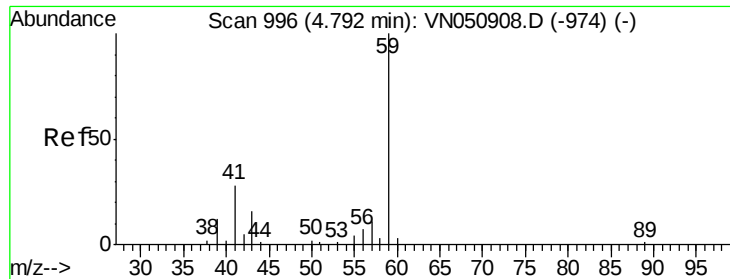
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 8/31/2018 11:32:23 AM



#22
 cis-1,2-Dichloroethene
 Concen: 18.56 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	143570		
61	139.7	110.0	165.0	
98	64.6	51.7	77.5	





#23

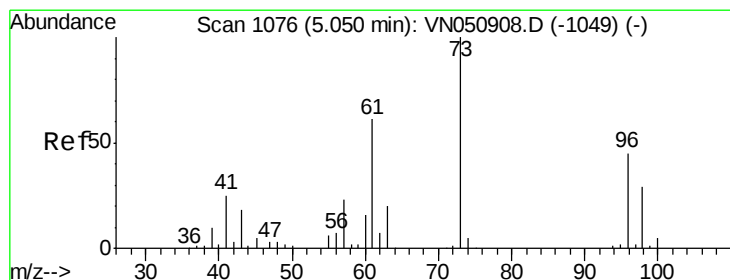
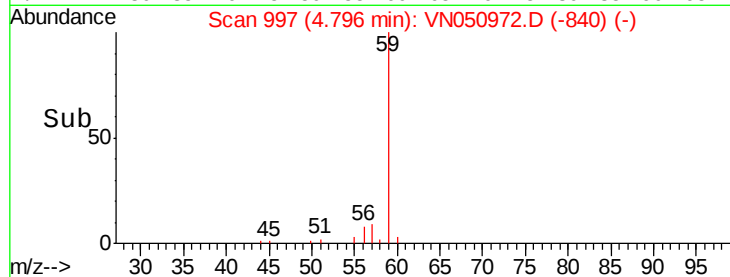
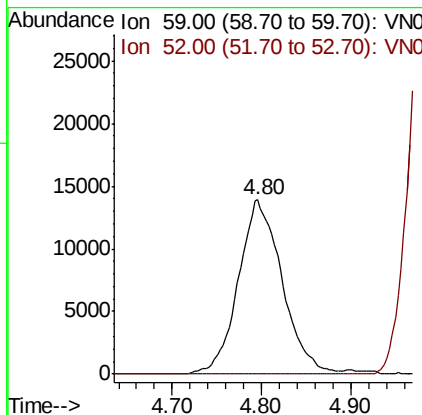
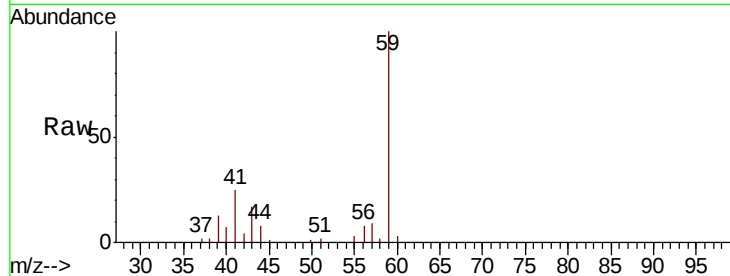
tert-Butyl Alcohol
 Concen: 88.77 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

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

Manual Integrations
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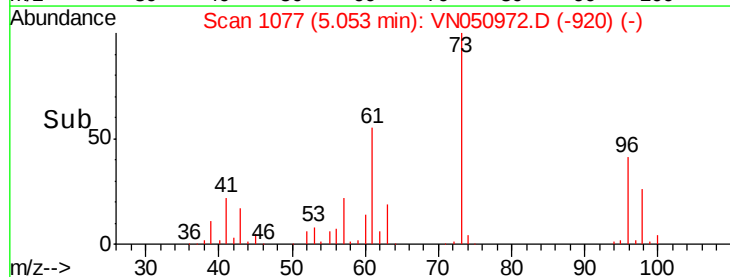
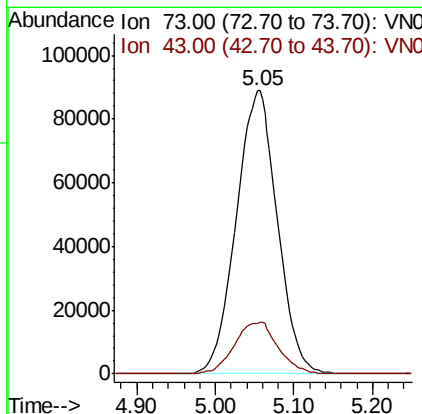
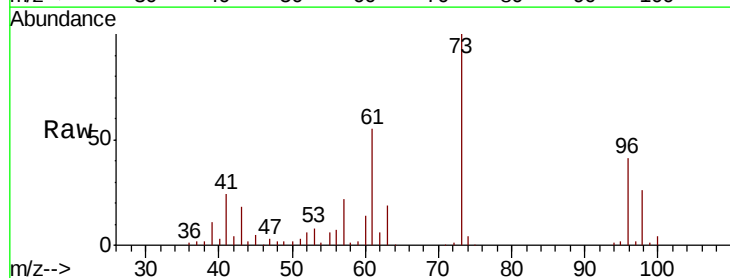
MMDadoda
 8/31/2018 11:32:23 AM

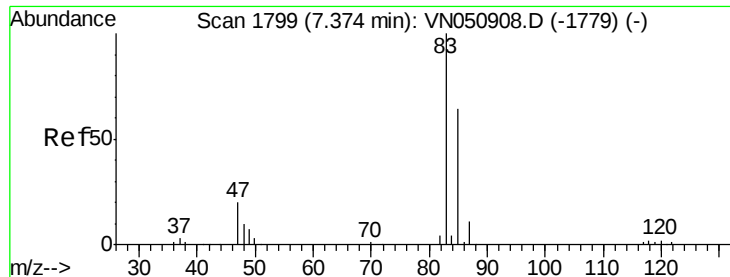


#24

Methyl tert-Butyl Ether
 Concen: 18.56 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	18.9		14.4	21.6	





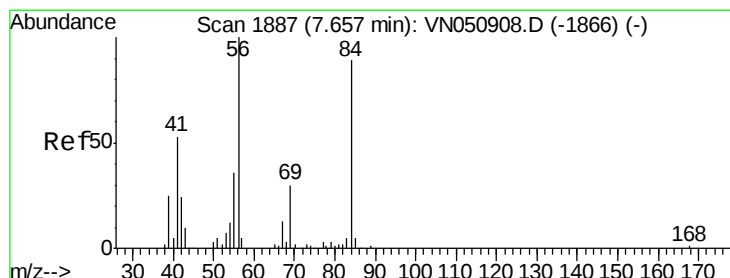
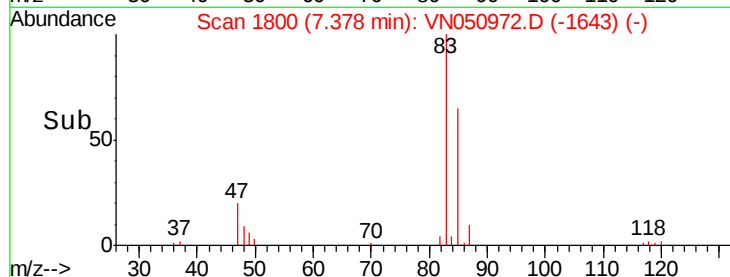
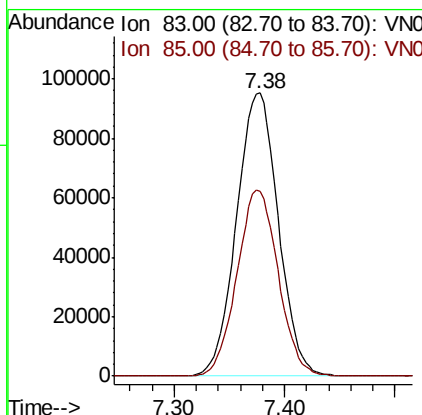
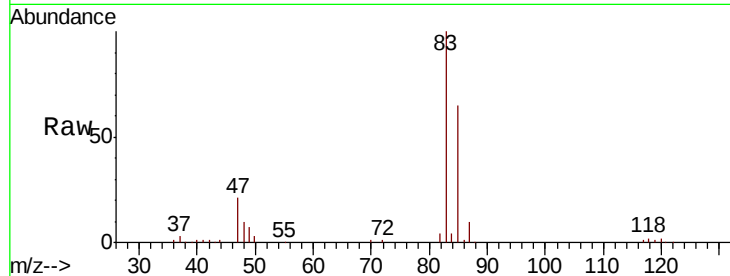
#25
Chloroform
Concen: 19.48 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

Tot Ion	83	Resp	250229
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	51.4	77.0

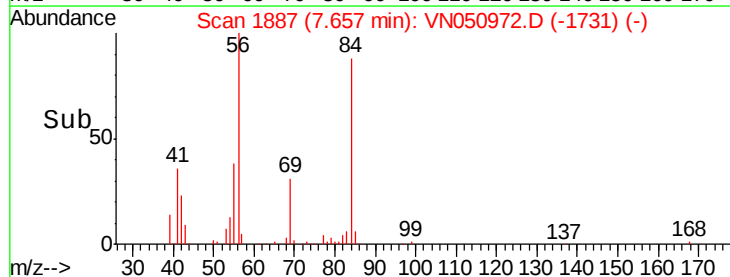
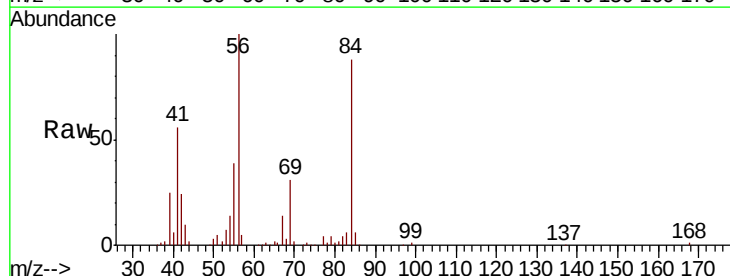
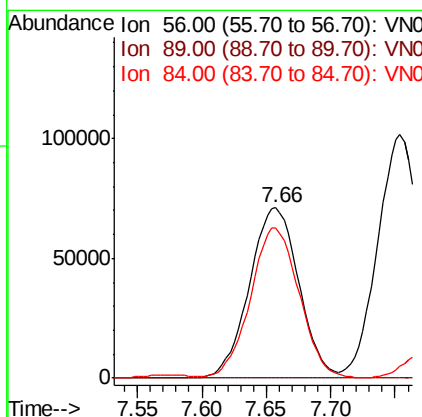
Manual Integrations
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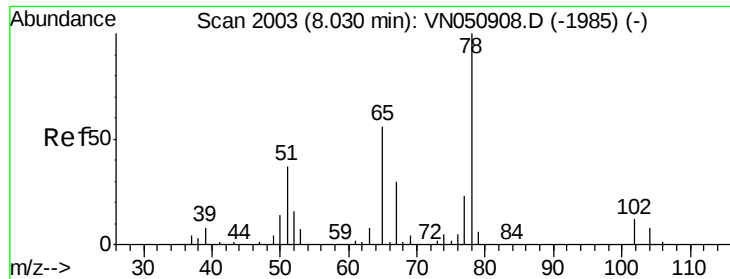
MMDadoda
8/31/2018 11:32:23 AM



#26
Cyclohexane
Concen: 17.80 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	56	Resp	189795
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.4	0.6#
84	87.1	70.4	105.6





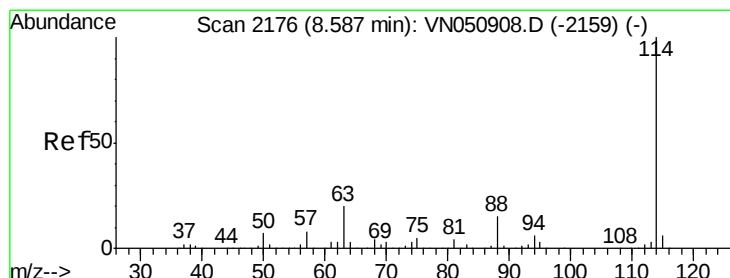
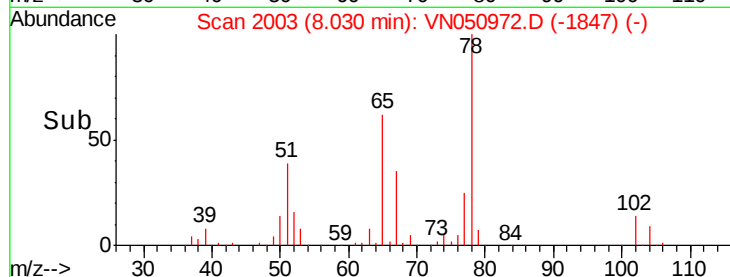
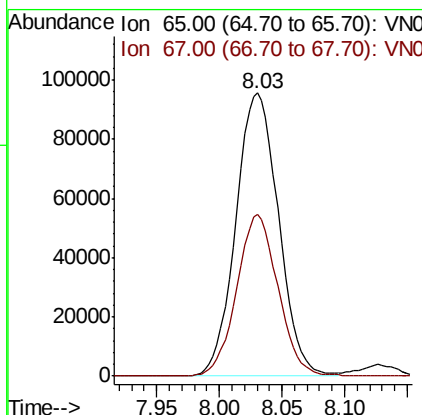
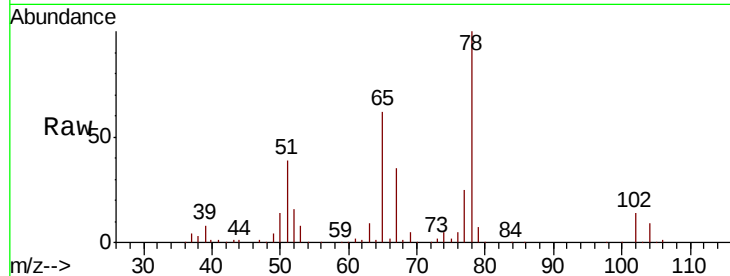
#27
 1,2-Dichloroethane-d4
 Concen: 29.83 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

Tot Ion: 65 Resp: 226406
 Ion Ratio Lower Upper
 65 100
 67 55.2 43.7 65.5

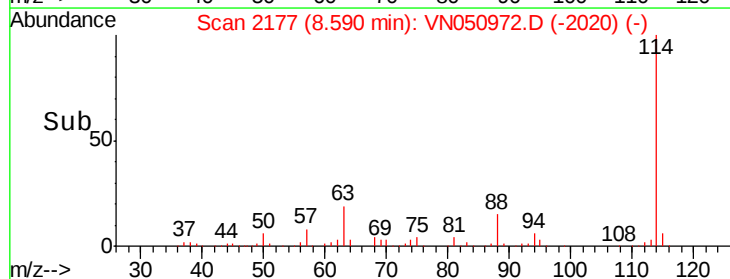
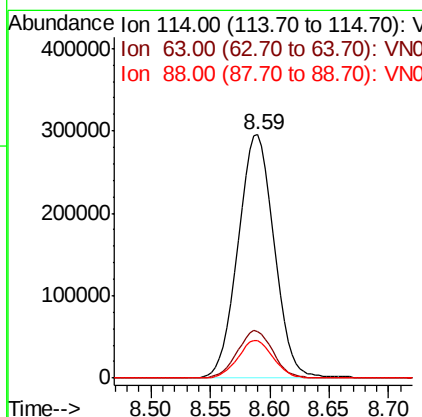
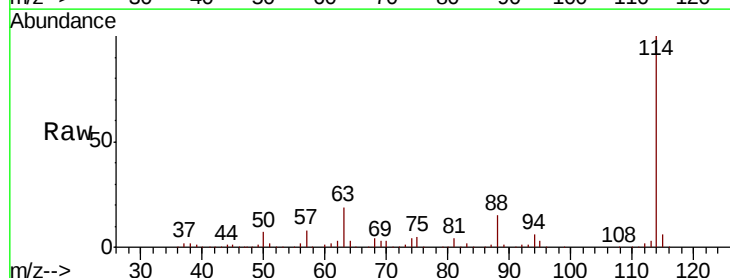
Manual Integrations
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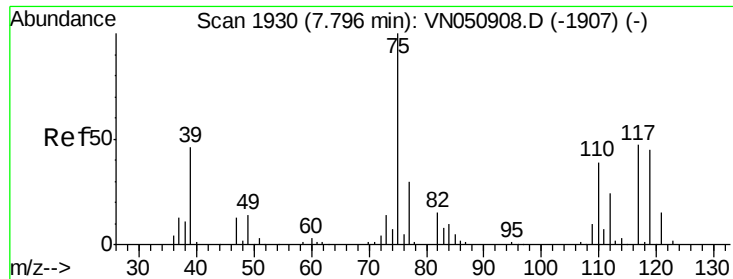
MMDadoda
 8/31/2018 11:32:23 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 114 Resp: 622082
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.6 23.4
 88 15.3 12.2 18.4





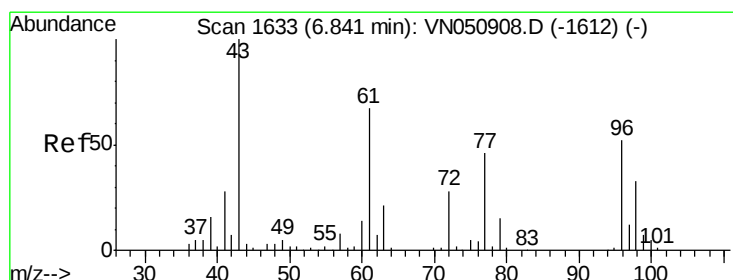
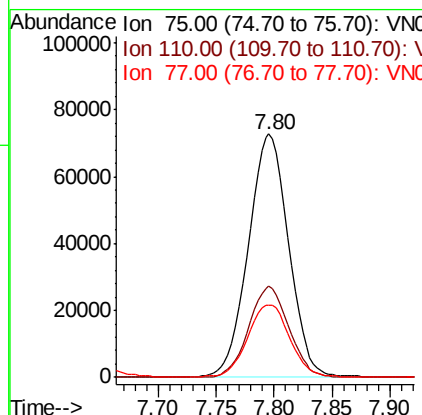
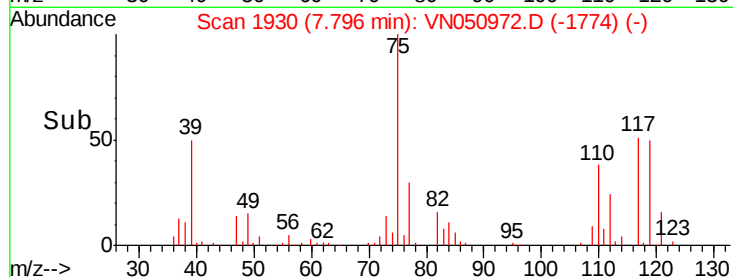
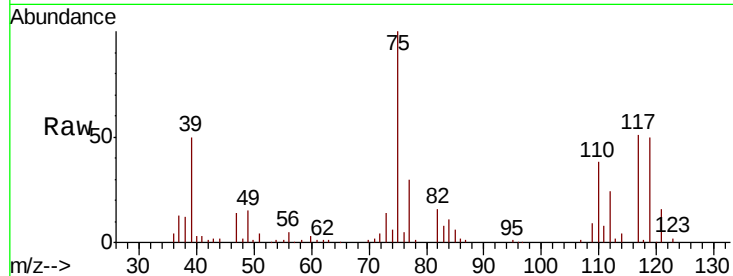
#29
 1,1-Dichloropropene
 Concen: 18.90 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.1	0.0	75.0
77	31.2	0.0	60.6

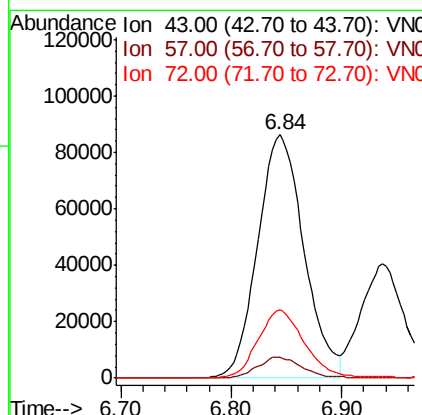
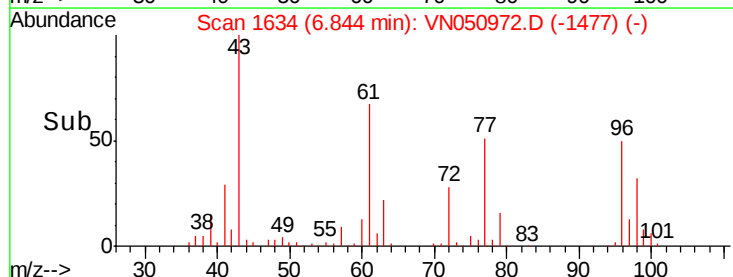
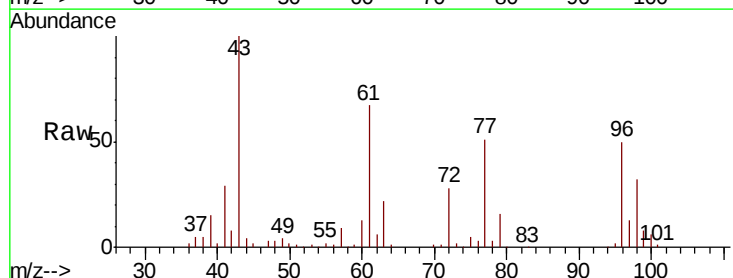
Manual Integrations
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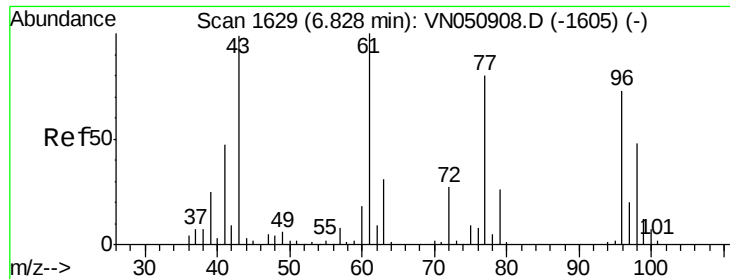
MMDadoda
 8/31/2018 11:32:23 AM



#30
 2-Butanone
 Concen: 87.69 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.9	10.3
72	27.9	22.8	34.2





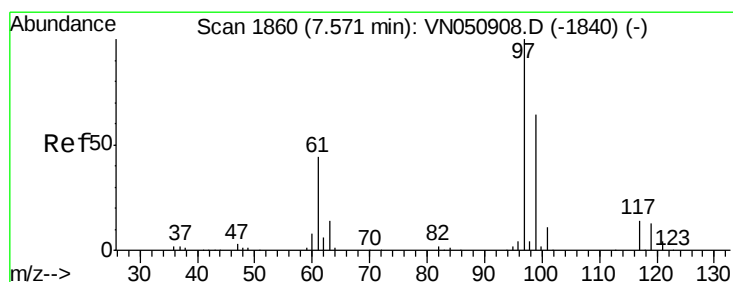
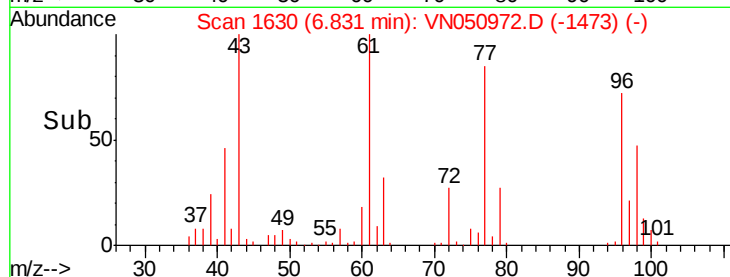
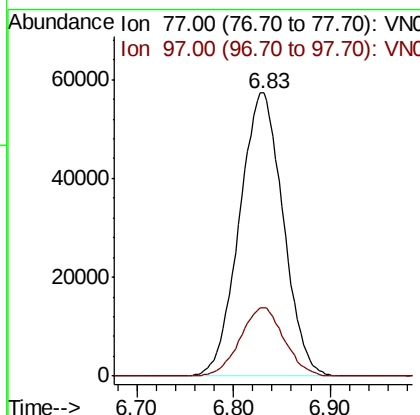
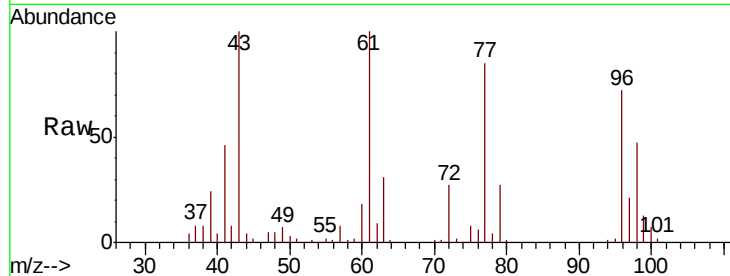
#31
 2,2-Dichloropropane
 Concen: 19.84 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

Tot Ion: 77 Resp: 179792
 Ion Ratio Lower Upper
 77 100
 97 24.3 20.2 30.2

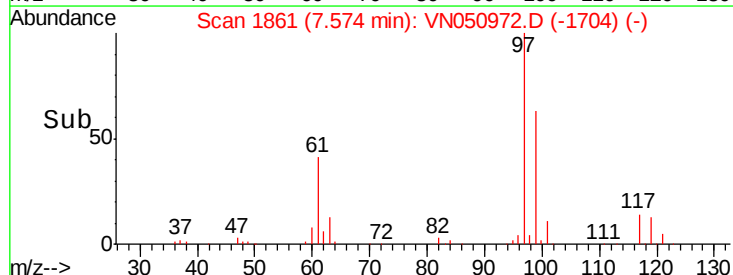
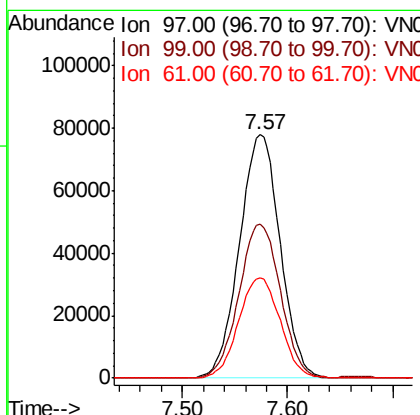
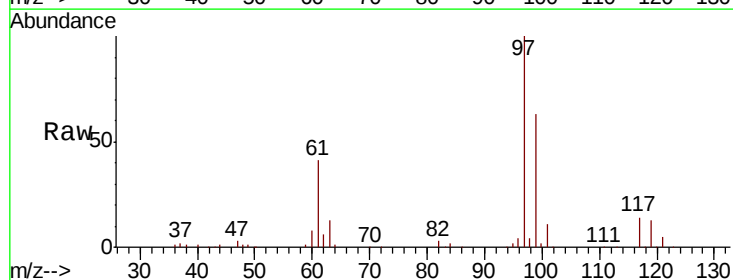
Manual Integrations
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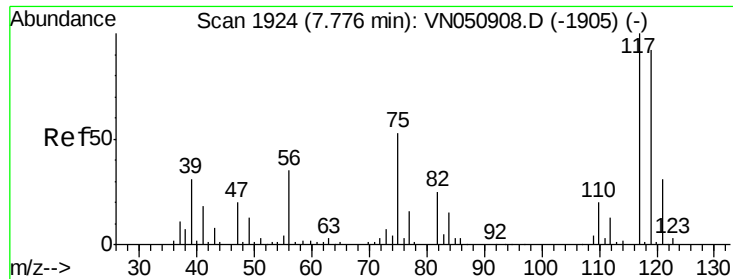
MMDadoda
 8/31/2018 11:32:23 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.80 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 97 Resp: 209101
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.0 78.0
 61 42.3 35.0 52.6





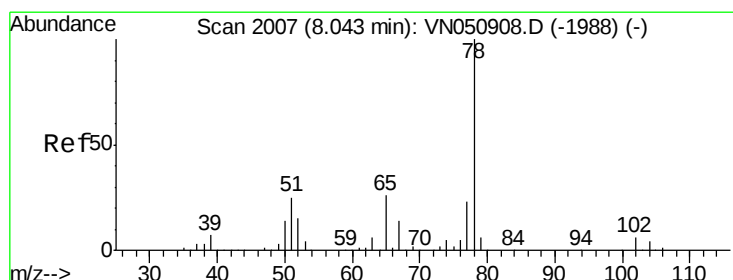
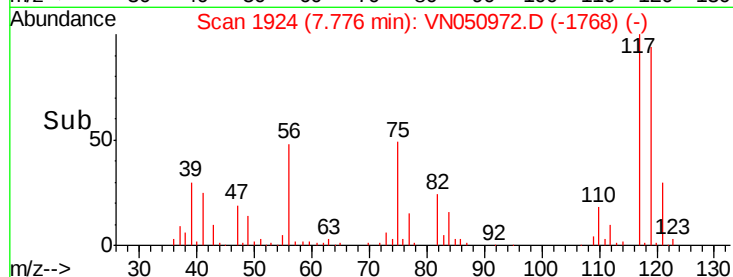
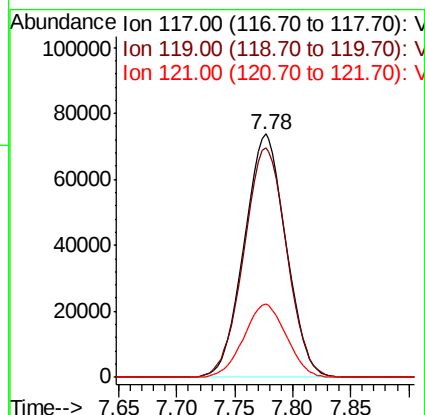
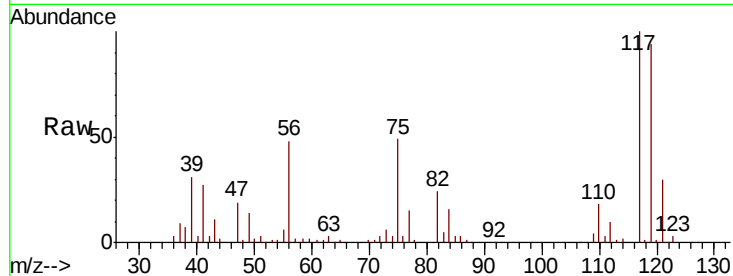
#33
Carbon Tetrachloride
Concen: 19.43 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.5	73.5	110.3
121	30.1	24.6	37.0

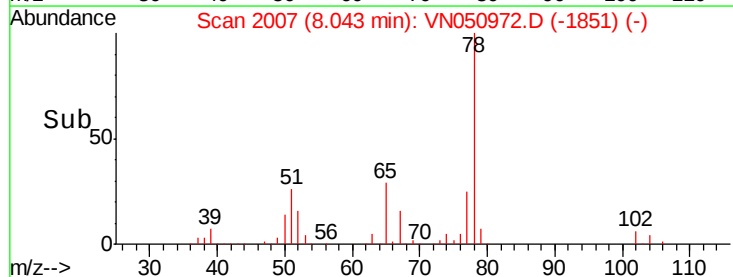
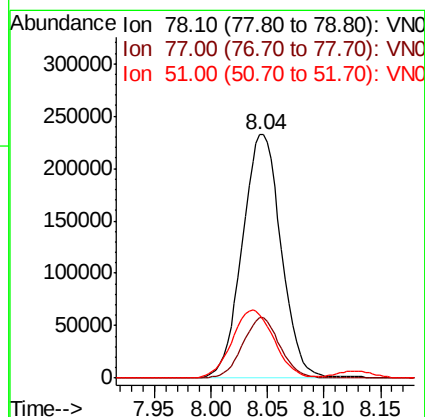
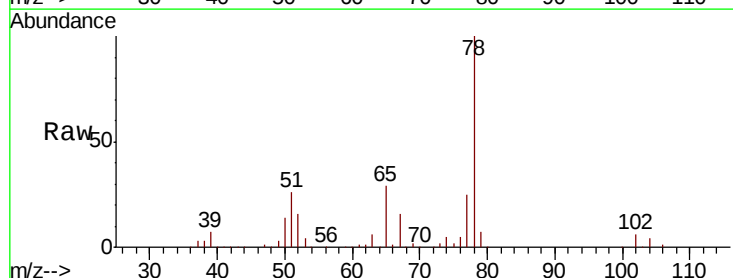
Manual Integrations
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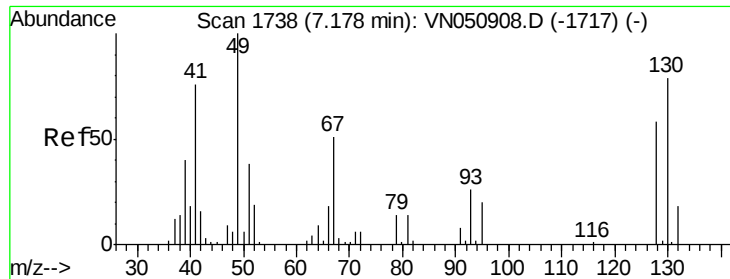
MMDadoda
8/31/2018 11:32:23 AM



#34
Benzene
Concen: 19.26 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	28.0
51	26.0	20.0	30.0





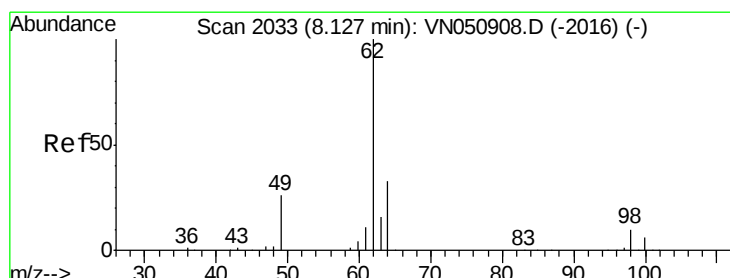
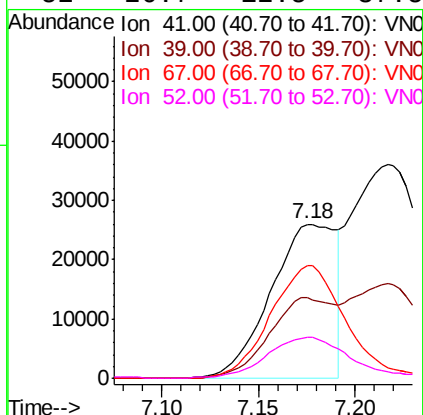
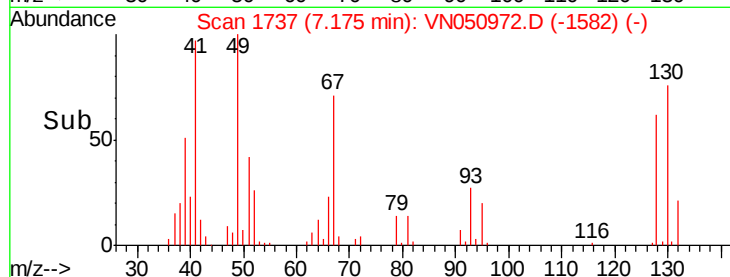
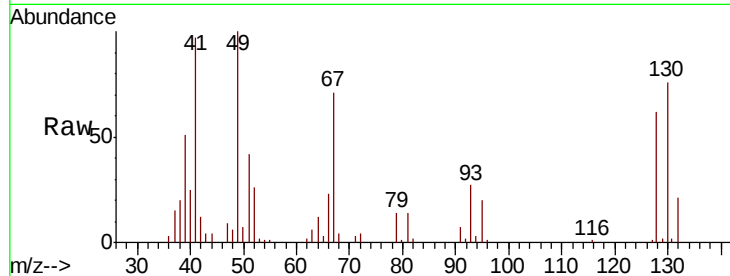
#35
Methacrylonitrile
Concen: 19.47 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.1	26.2	78.5
67	73.4	33.9	101.6
52	26.7	12.5	37.5

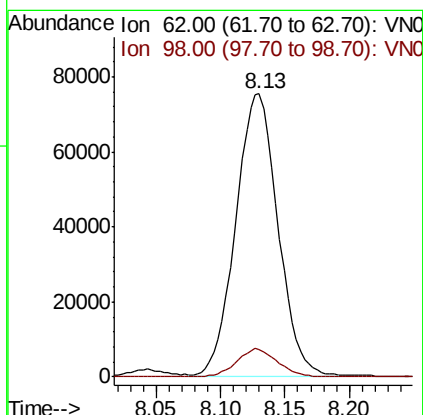
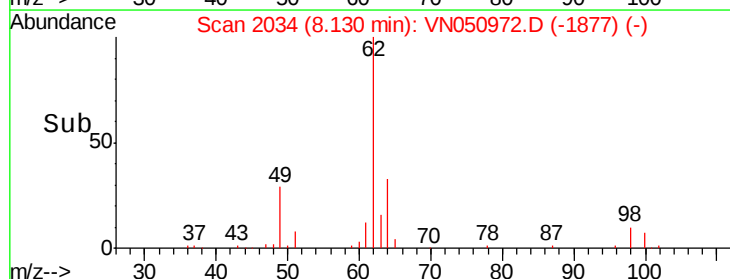
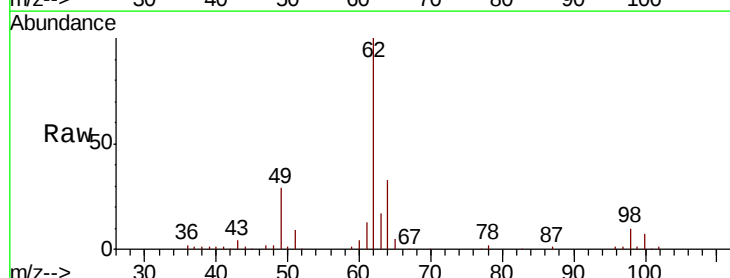
Manual Integrations
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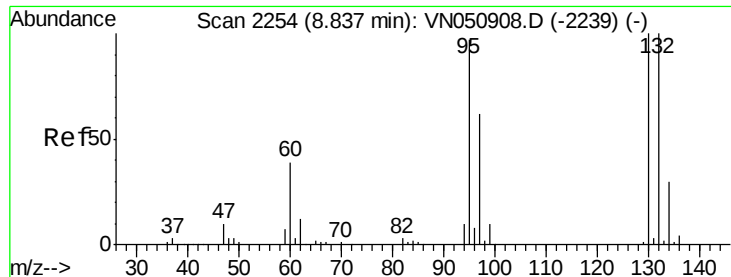
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.71 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	8.0	12.0





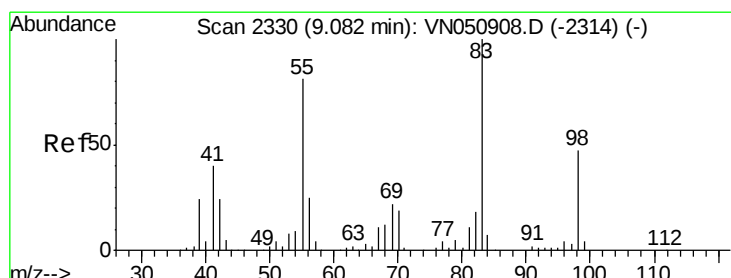
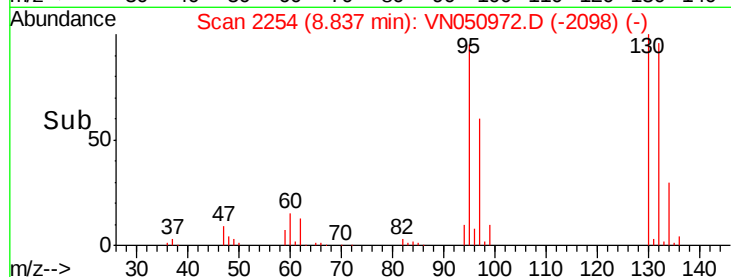
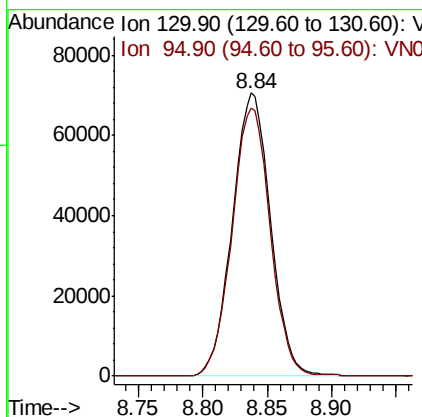
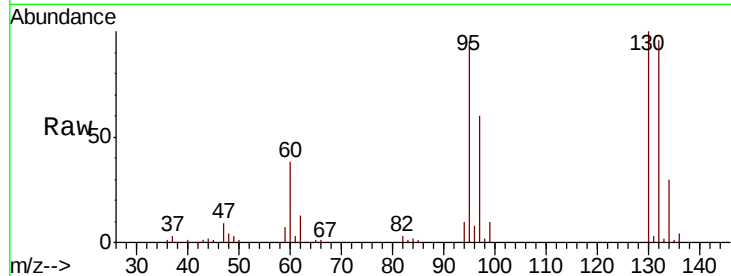
#37
 Trichloroethene
 Concen: 19.31 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

Tot Ion:130 Resp: 145374
 Ion Ratio Lower Upper
 130 100
 95 94.8 77.4 116.0

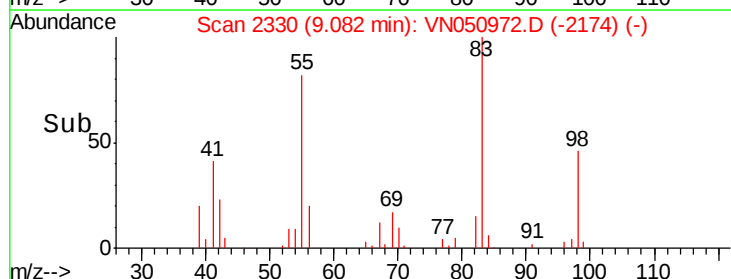
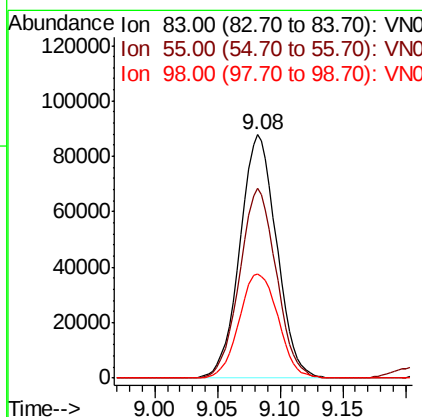
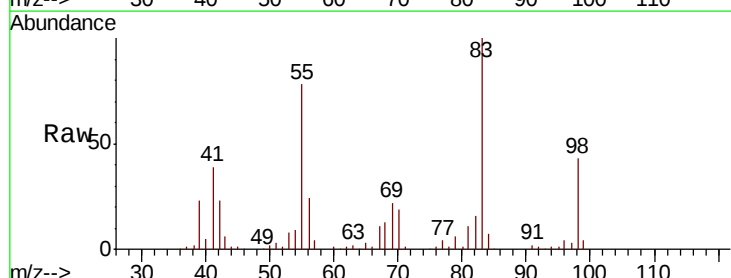
Manual Integrations
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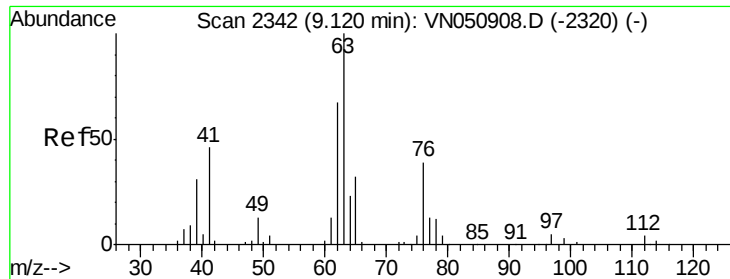
MMDadoda
 8/31/2018 11:32:23 AM



#38
 Methylcyclohexane
 Concen: 17.85 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion: 83 Resp: 178541
 Ion Ratio Lower Upper
 83 100
 55 77.9 38.9 116.7
 98 45.4 22.9 68.7





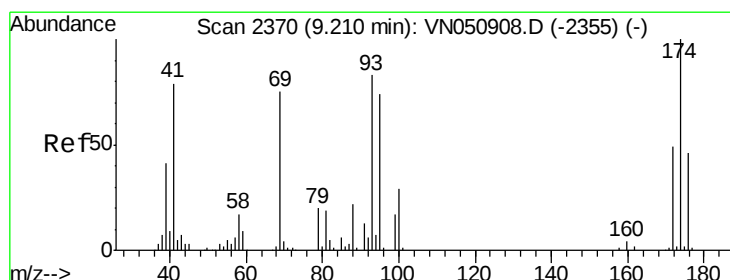
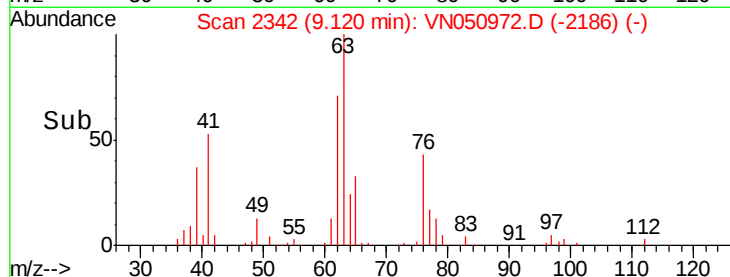
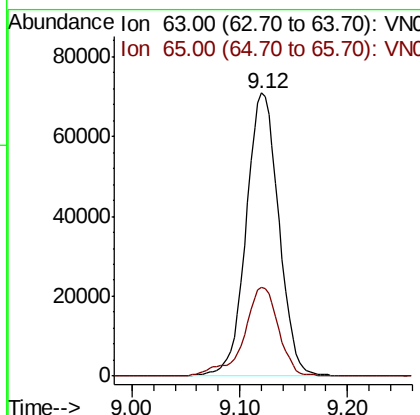
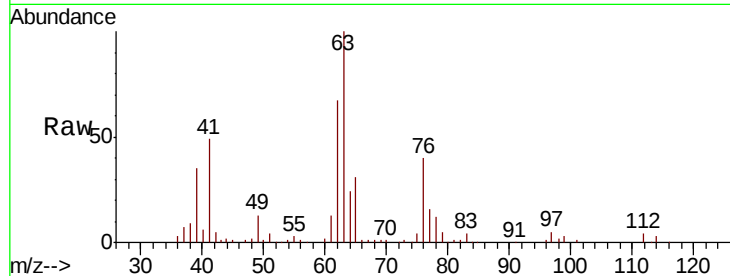
#39
 1,2-Dichloropropane
 Concen: 19.82 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.6	38.4

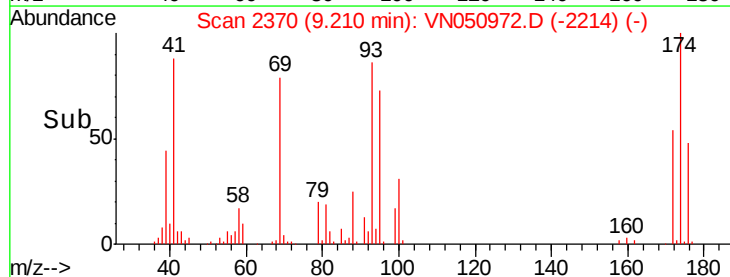
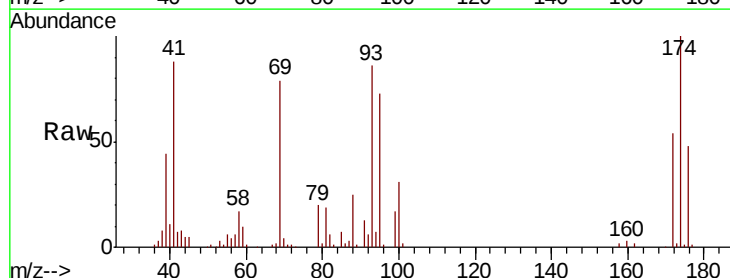
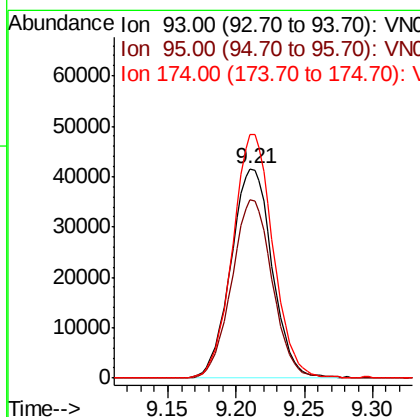
Manual Integrations
 APPROVED

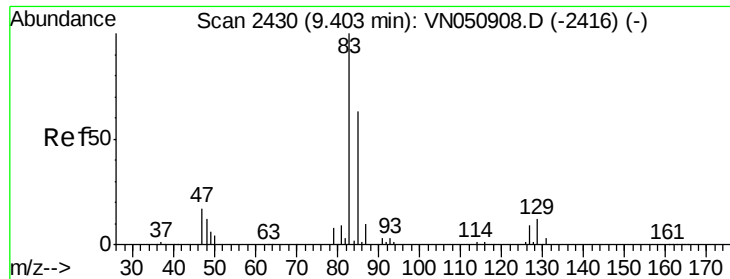
MMDadoda
 8/31/2018 11:32:23 AM



#40
 Dibromomethane
 Concen: 19.26 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	0.0	173.4
174	113.8	0.0	234.8





#41

Bromodichloromethane

Concen: 19.30 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

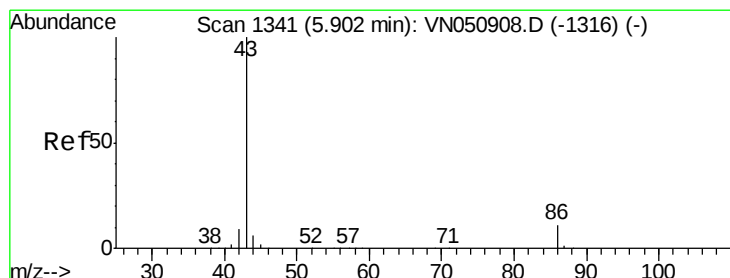
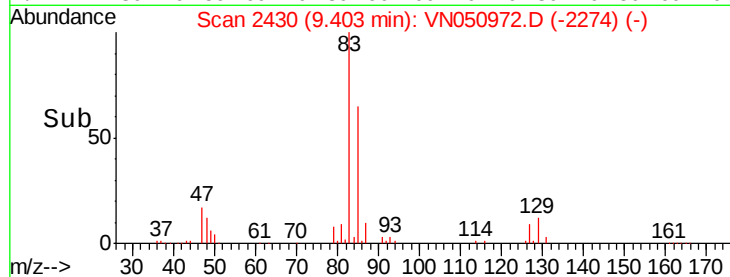
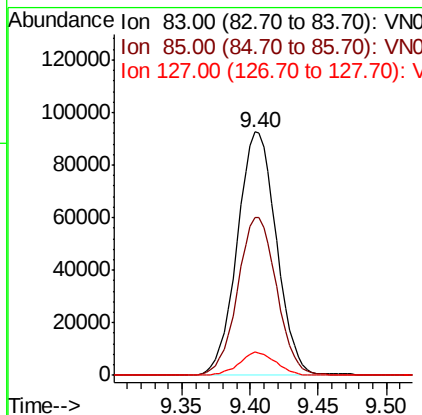
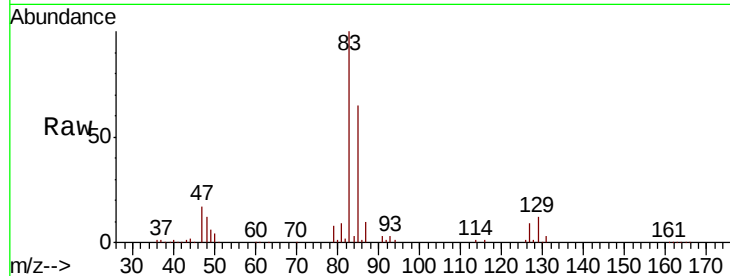
ClientSampleId :

VN0830WBS02

Tot Ion:	83	Resp:	184439
Ion Ratio	Lower	Upper	
83	100		
85	65.0	50.6	76.0
127	9.4	7.1	10.7

Manual Integrations
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MMDadoda
8/31/2018 11:32:23 AM



#42

Vinyl Acetate

Concen: 92.10 ug/l

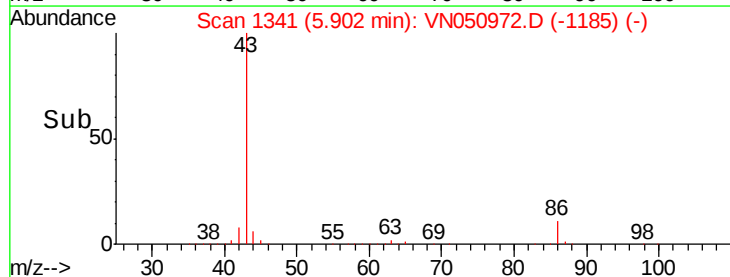
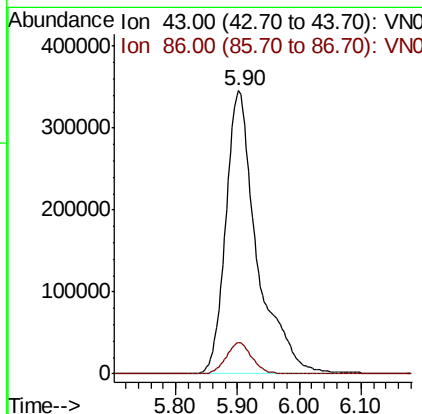
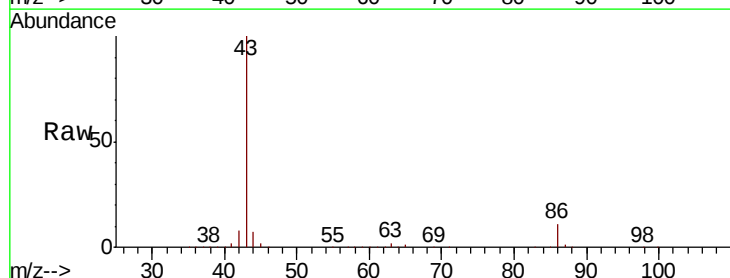
RT: 5.90 min Scan# 1341

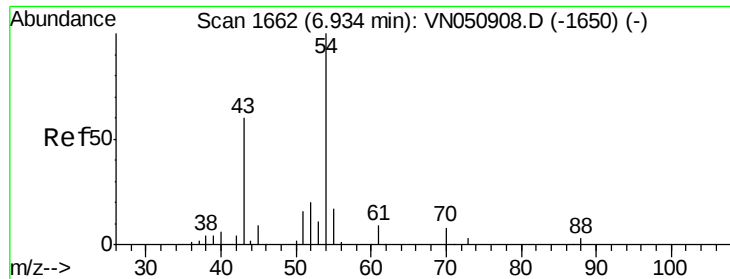
Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Tgt Ion:	43	Resp:	1215346
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.2	10.8





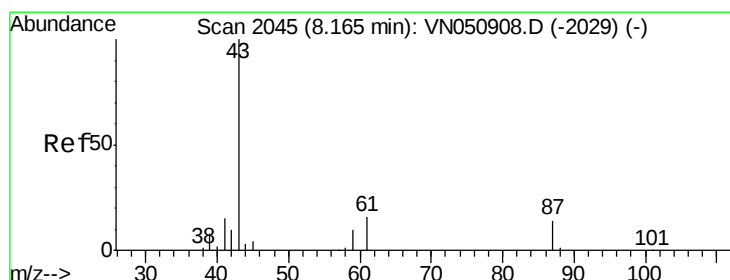
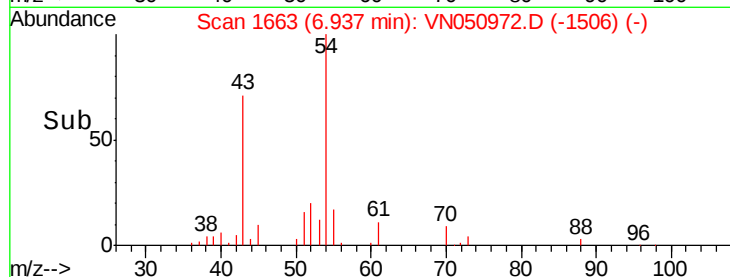
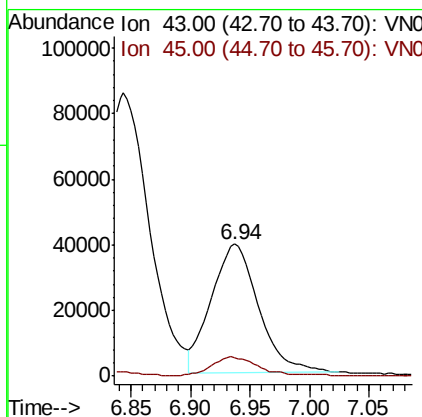
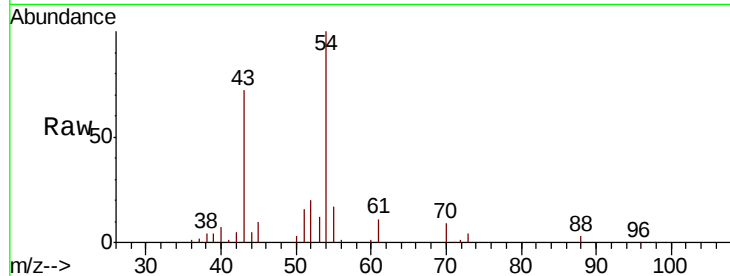
#43
Ethyl Acetate
Concen: 18.53 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion	43	45	Ratio	Lower	Upper
108735	100	13.1		10.2	15.2

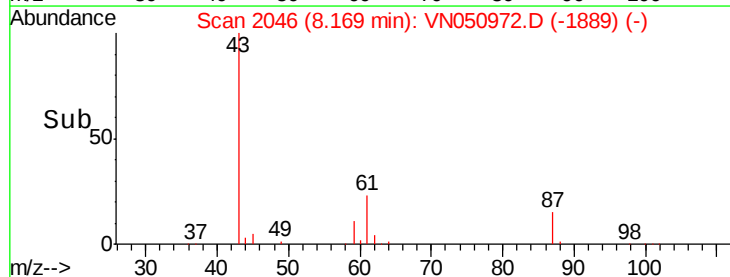
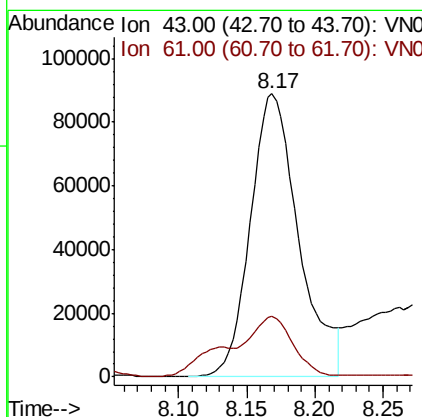
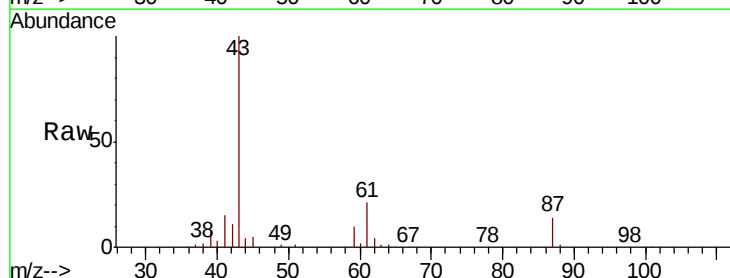
Manual Integrations
APPROVED

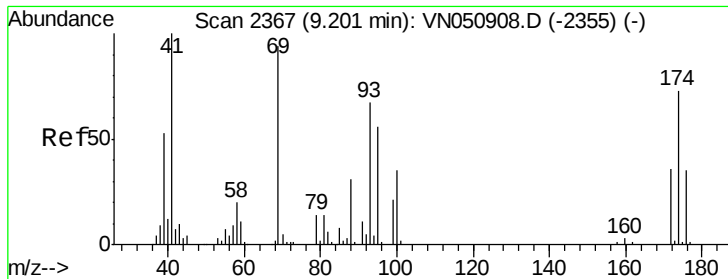
MMDadoda
8/31/2018 11:32:23 AM



#44
Isopropyl Acetate
Concen: 21.24 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	43	61	Ratio	Lower	Upper
219924	100	18.3		16.3	24.5





#45

1,4-Dioxane

Concen: 364.60 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

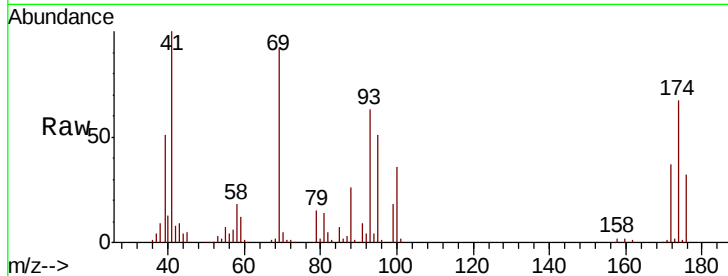
ClientSampled :

VN0830WBS02

Tot Ion:	88	Resp:	28050
Ion	Ratio	Lower	Upper
88	100		
43	31.9	23.5	35.3
58	69.4	55.2	82.8

Manual Integrations
APPROVED

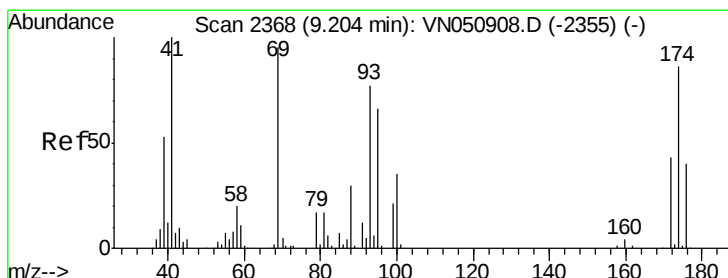
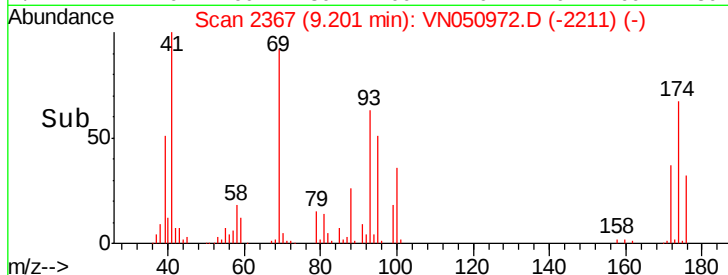
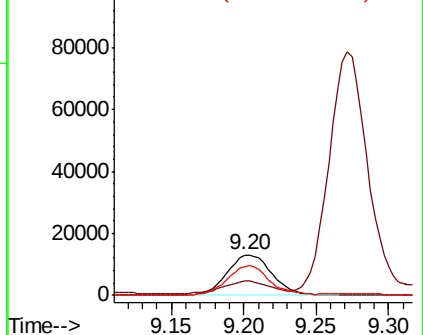
MMDadoda
8/31/2018 11:32:23 AM



Abundance Ion 88.00 (87.70 to 88.70): VN050908.D (-2355) (-)

Ion 43.00 (42.70 to 43.70): VN050908.D (-2355) (-)

Ion 58.00 (57.70 to 58.70): VN050908.D (-2355) (-)



#46

Methyl methacrylate

Concen: 17.95 ug/l

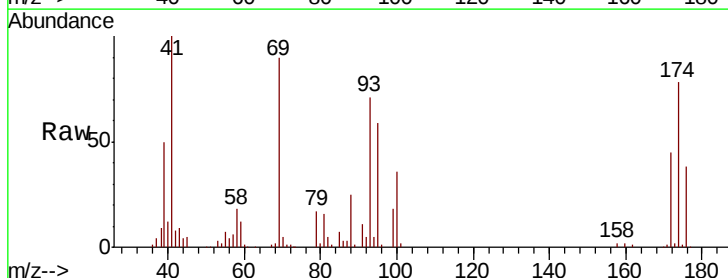
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

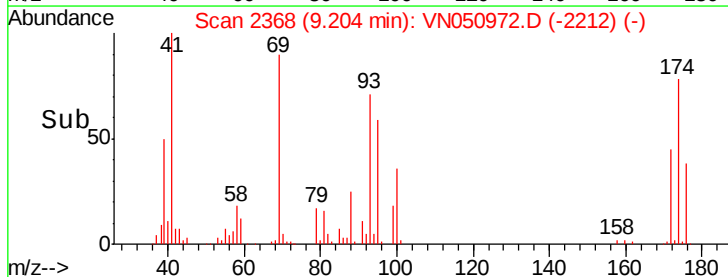
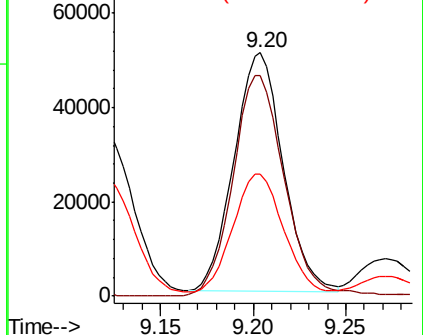
Tgt Ion:	41	Resp:	93080
Ion	Ratio	Lower	Upper
41	100		
69	91.8	47.4	142.2
39	49.8	26.6	79.7

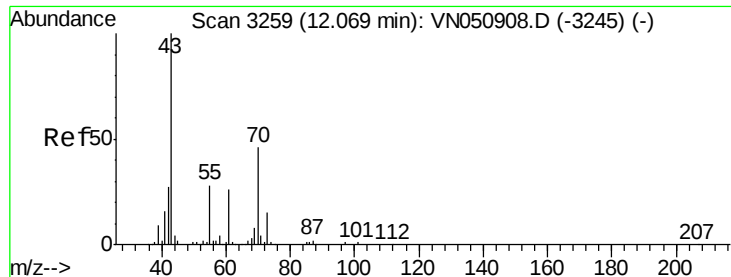


Abundance Ion 41.00 (40.70 to 41.70): VN050908.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050908.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050908.D (-2355) (-)





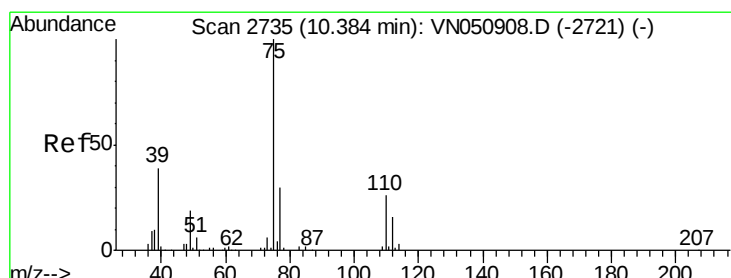
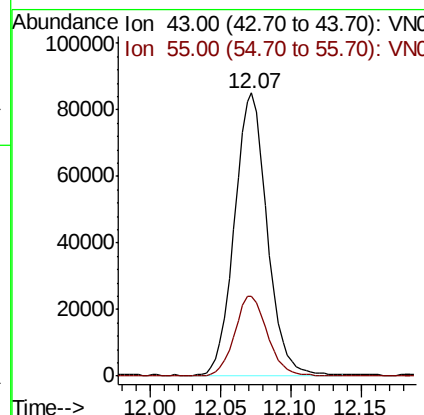
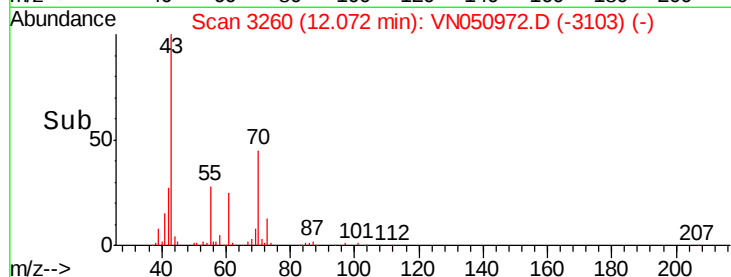
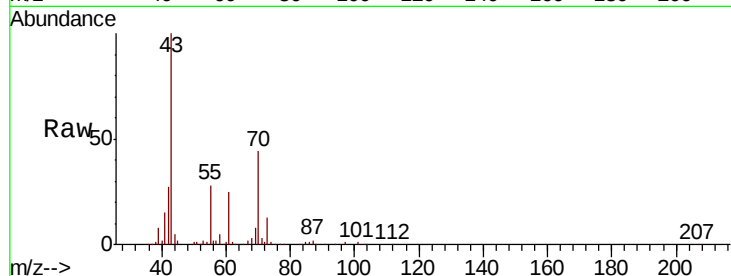
#47
n-amvl Acetate
Concen: 16.41 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion: 43 Resp: 136656
Ion Ratio Lower Upper
43 100
55 28.8 23.0 34.4

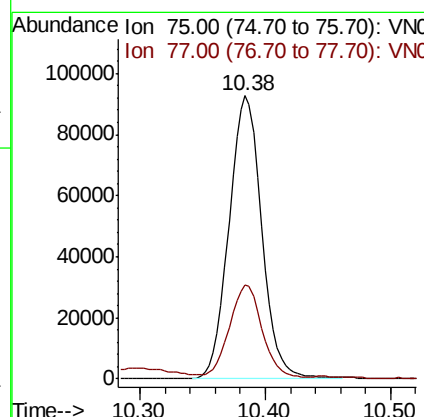
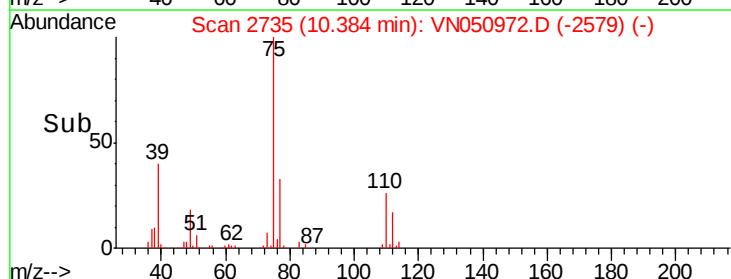
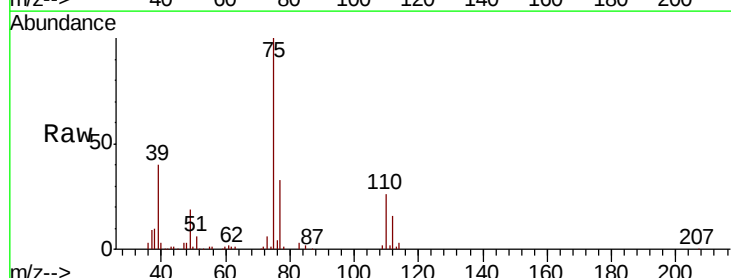
Manual Integrations
APPROVED

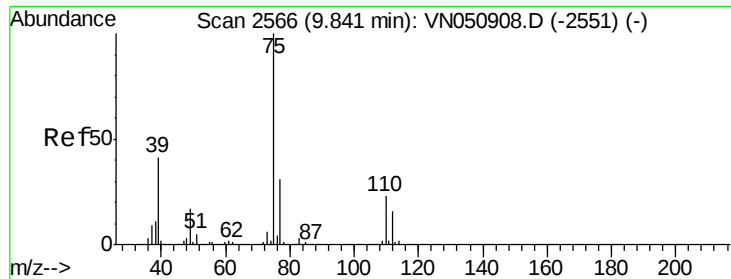
MMDadoda
8/31/2018 11:32:23 AM



#48
t-1,3-Dichloropropene
Concen: 17.91 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion: 75 Resp: 167720
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2





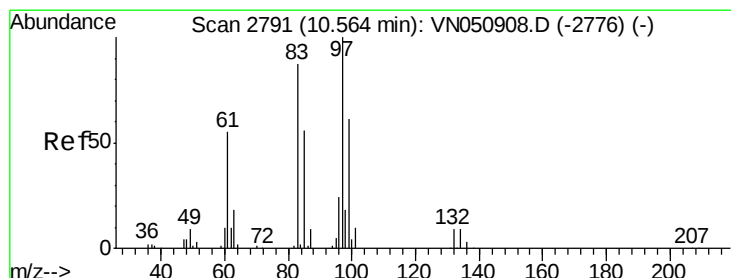
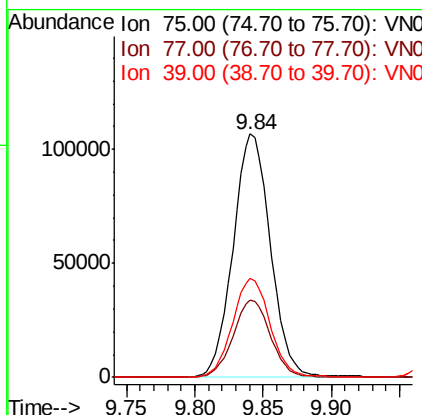
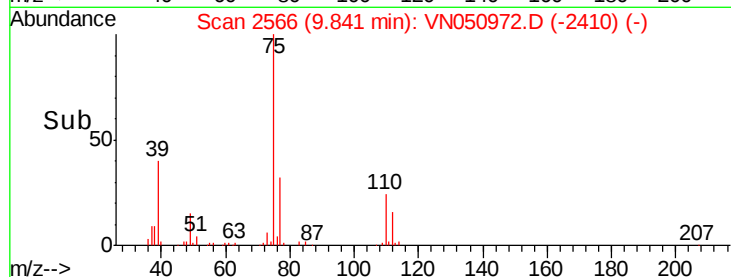
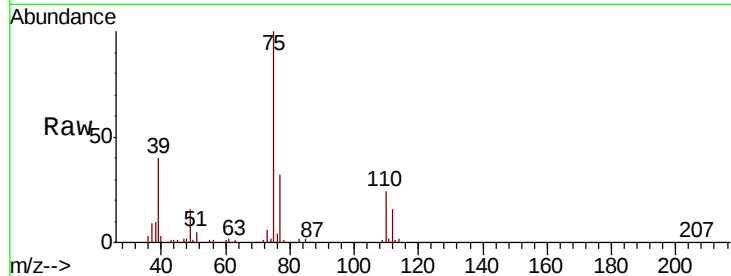
#49
 cis-1,3-Dichloropropene
 Concen: 18.84 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4
39	40.3	32.9	49.3

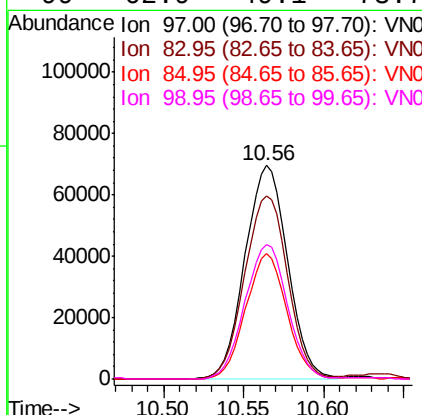
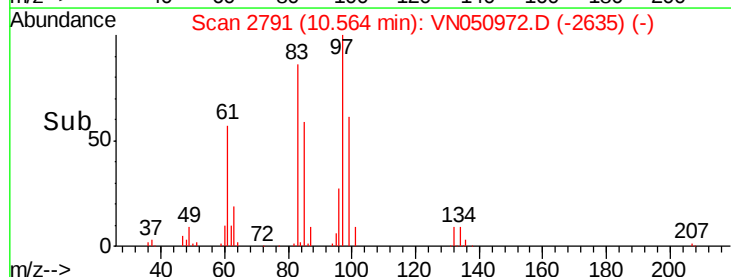
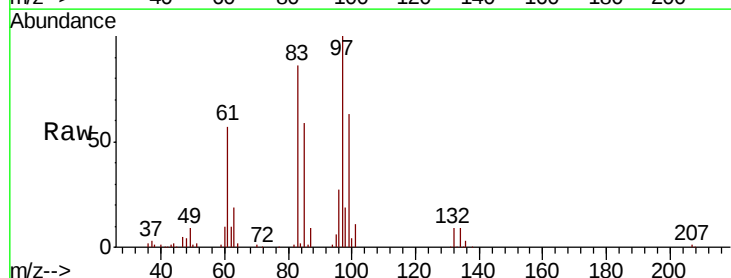
Manual Integrations
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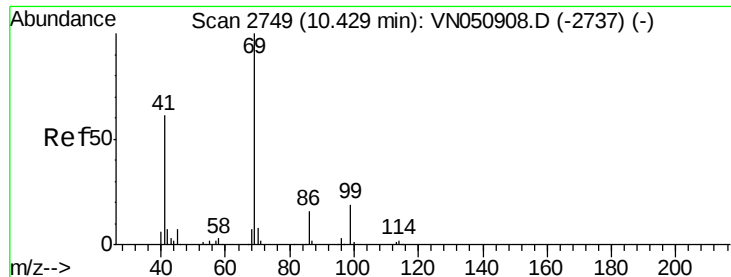
MMDadoda
 8/31/2018 11:32:23 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.35 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.8	104.6
85	59.0	45.0	67.6
99	62.9	49.1	73.7





#51

Ethyl methacrylate

Concen: 17.25 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

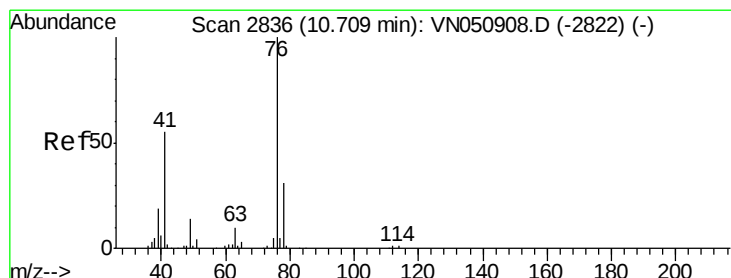
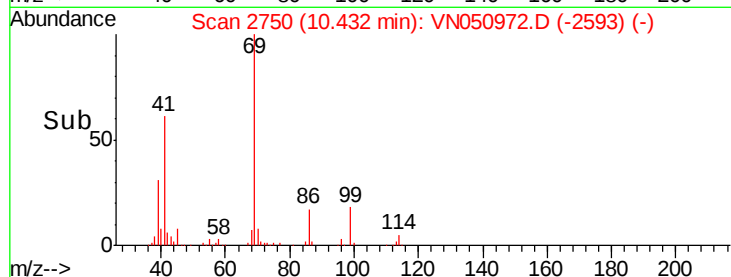
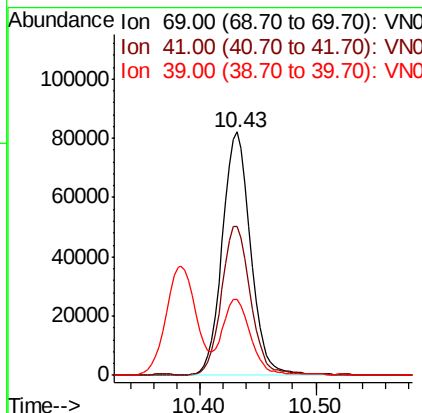
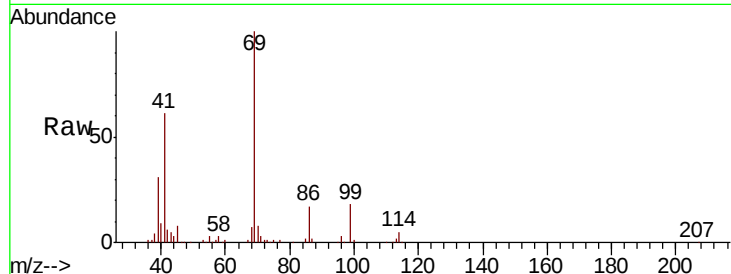
ClientSampled :

VN0830WBS02

Tot Ion:	69	Resp:	138967
Ion	Ratio	Lower	Upper
69	100		
41	60.9	30.5	91.5
39	30.6	15.3	45.8

Manual Integrations
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MMDadoda
8/31/2018 11:32:23 AM



#52

1,3-Dichloropropane

Concen: 18.98 ug/l

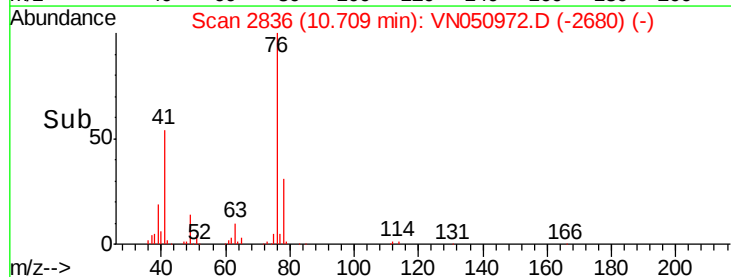
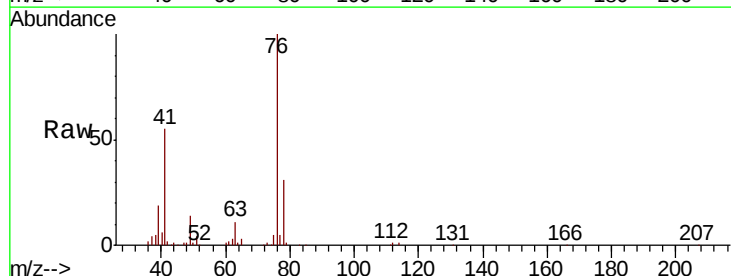
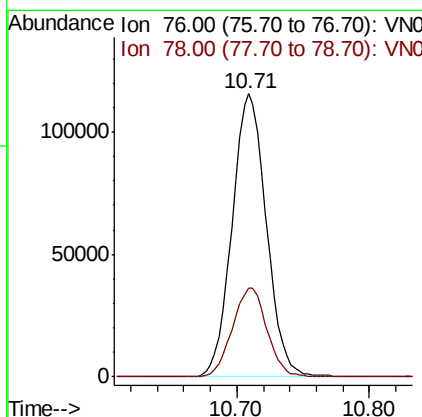
RT: 10.71 min Scan# 2836

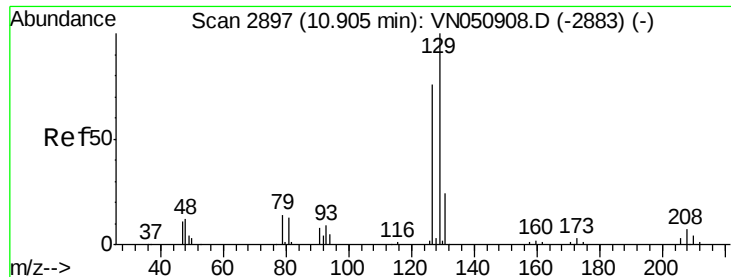
Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Tgt Ion:	76	Resp:	207106
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	63.4





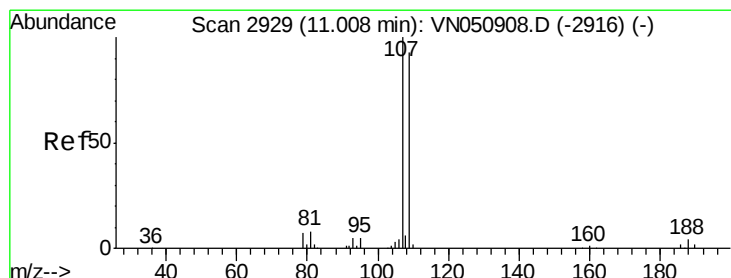
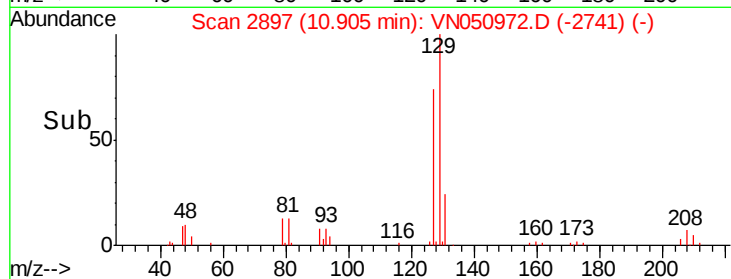
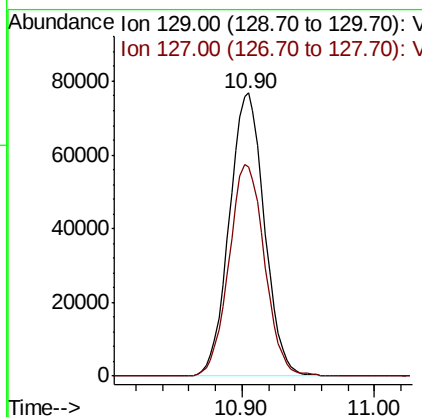
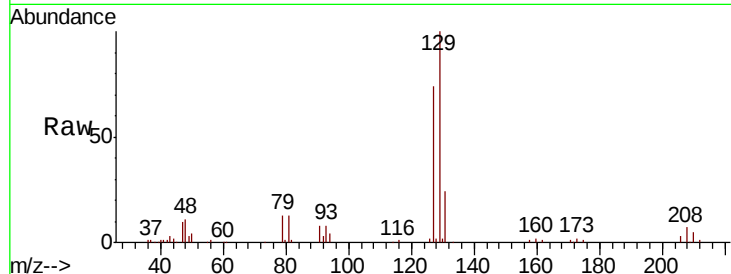
#53
 Dibromochloromethane
 Concen: 18.83 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.1	39.0	116.9

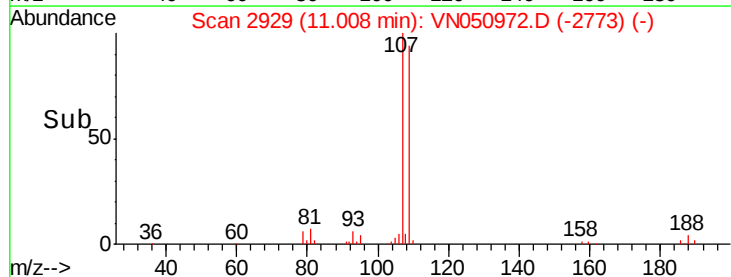
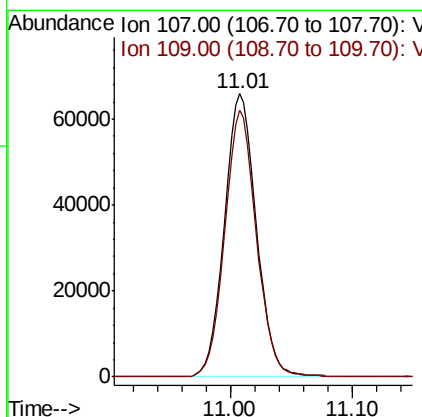
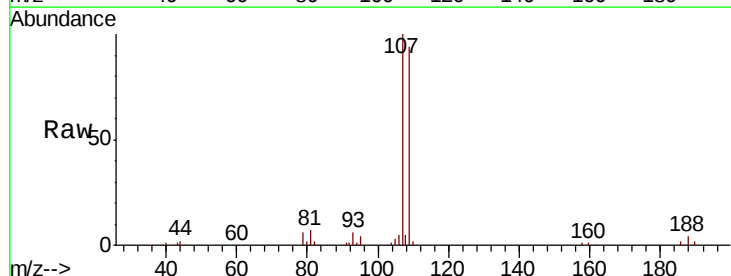
Manual Integrations
 APPROVED

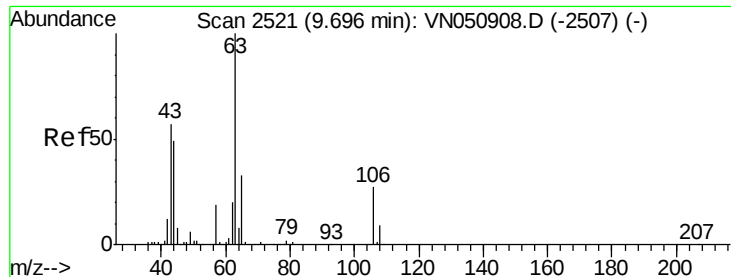
MMDadoda
 8/31/2018 11:32:23 AM



#54
 1,2-Dibromoethane
 Concen: 18.56 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.4	111.6





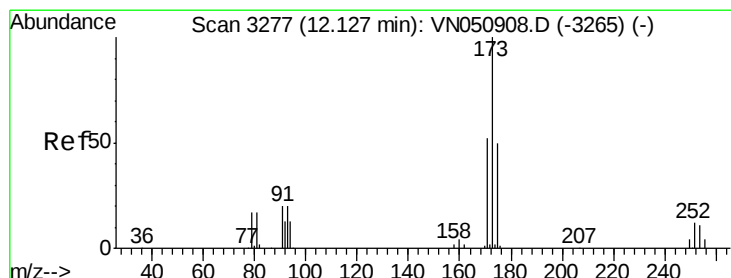
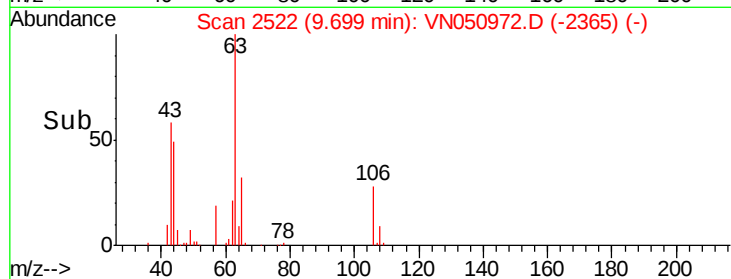
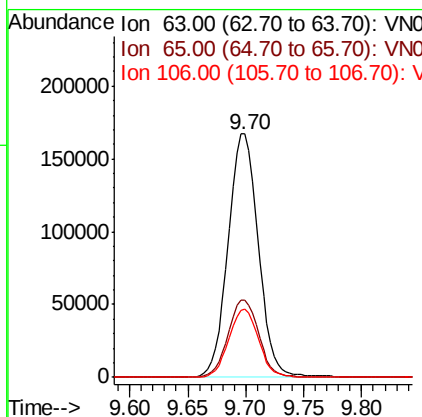
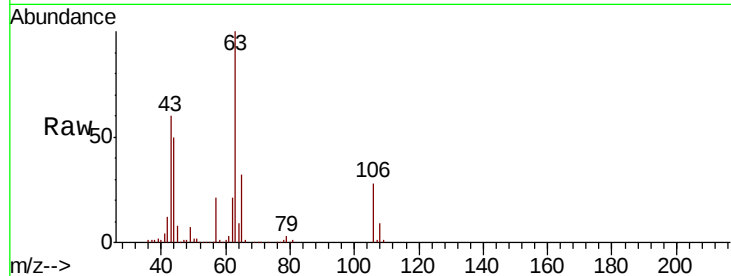
#55
2-Chloroethyl vinyl ether
Concen: 89.90 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.2
106	27.6	22.0	33.0

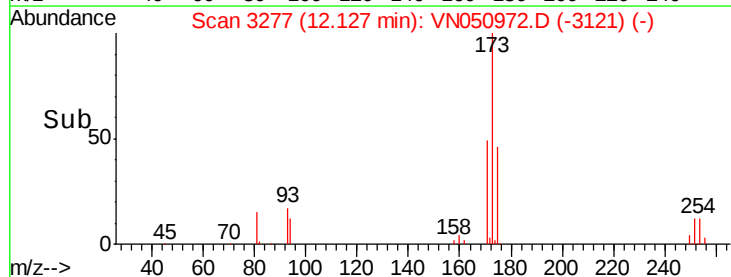
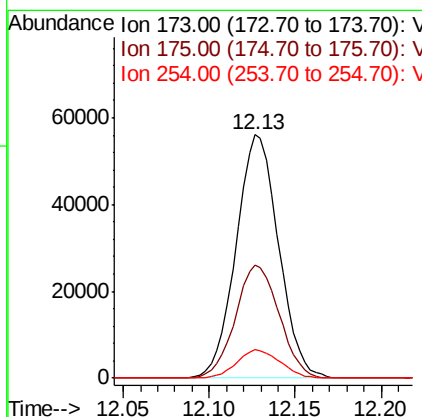
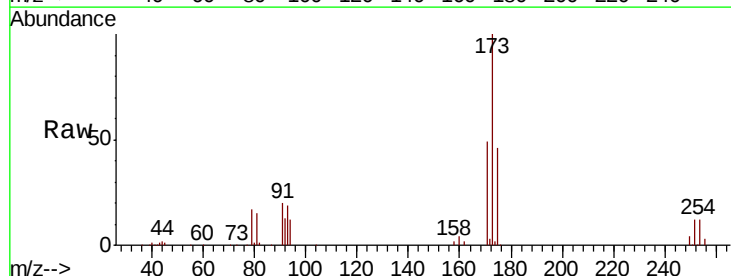
Manual Integrations
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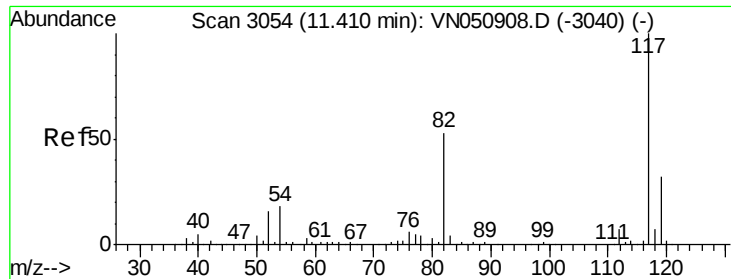
MMDadoda
8/31/2018 11:32:23 AM



#56
Bromoform
Concen: 18.05 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	39.2	58.8
254	11.8	9.0	13.6





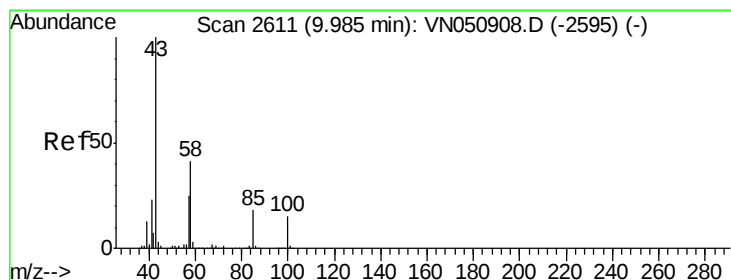
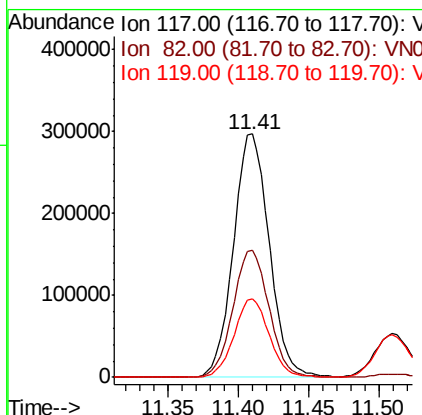
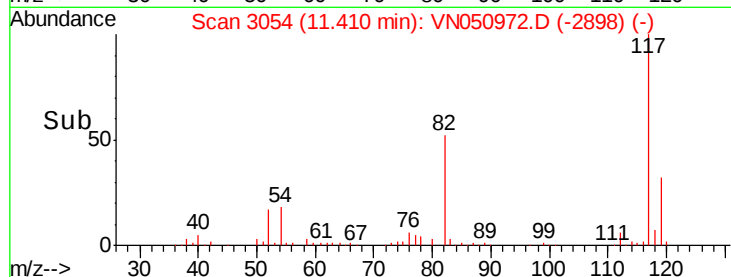
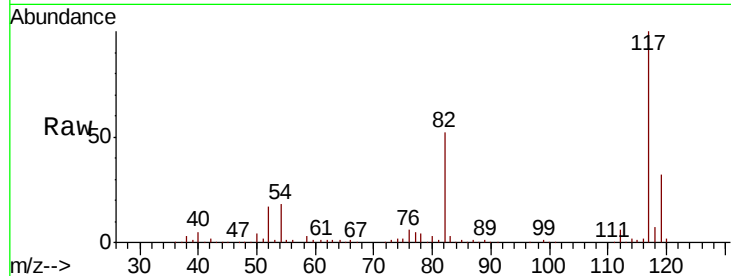
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	64.0
119	31.8	25.7	38.5

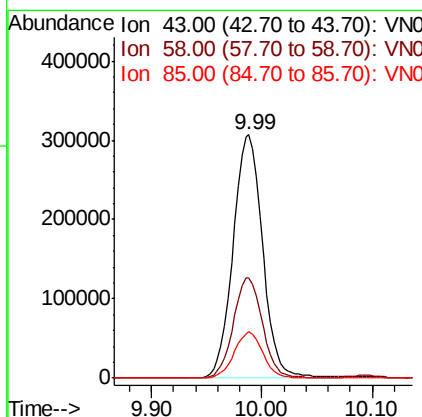
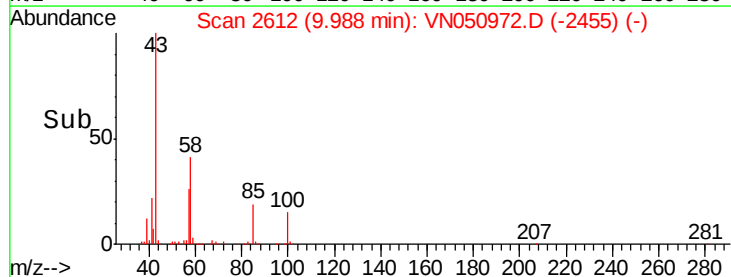
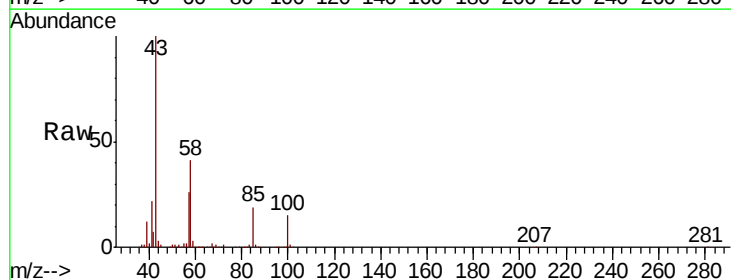
Manual Integrations
APPROVED

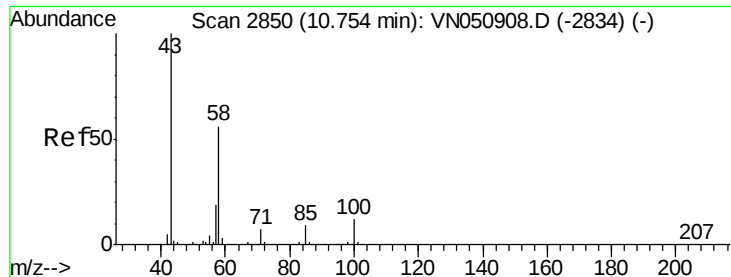
MMDadoda
8/31/2018 11:32:23 AM



#58
4-Methyl-2-Pentanone
Concen: 93.55 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.3	48.5
85	18.6	14.9	22.3





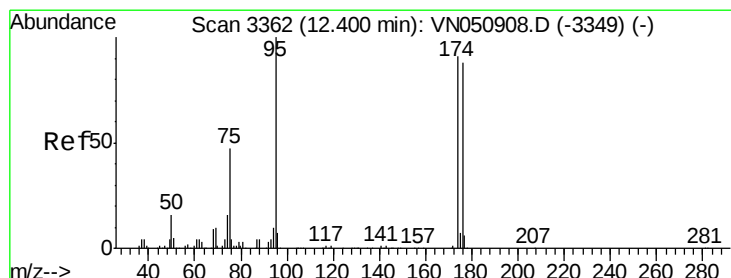
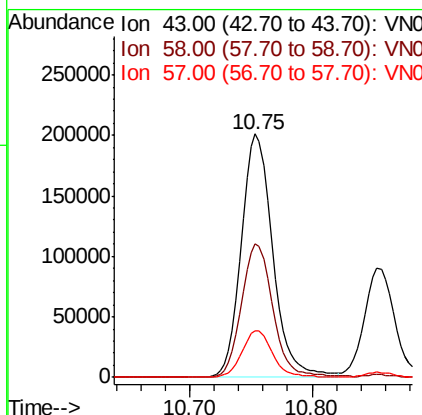
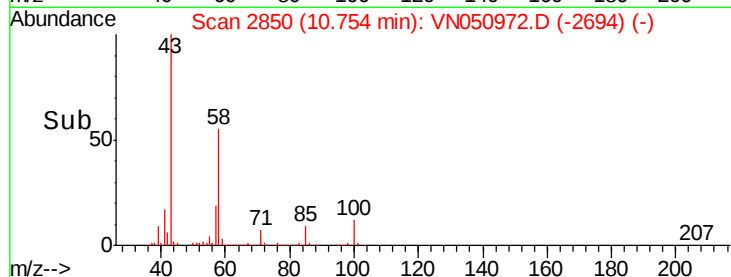
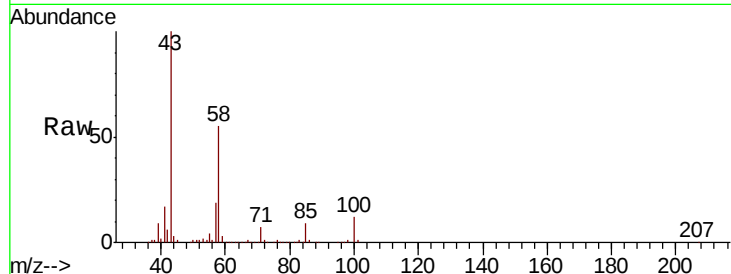
#59
2-Hexanone
Concen: 89.92 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	45.5	68.3
57	18.8	15.2	22.8

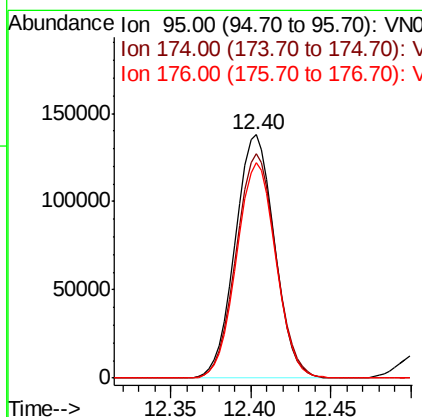
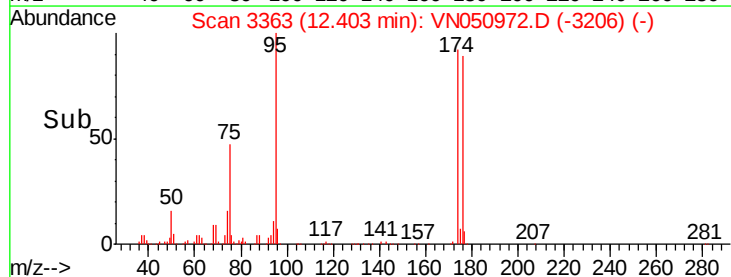
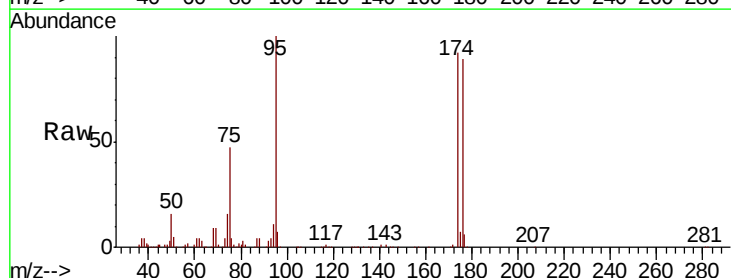
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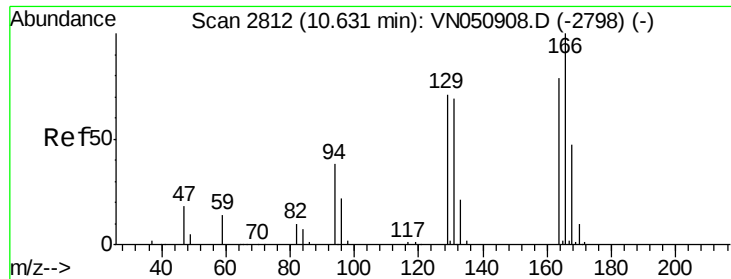
MMDadoda
8/31/2018 11:32:23 AM



#60
4-Bromofluorobenzene
Concen: 29.42 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	74.6	112.0
176	88.5	71.5	107.3





#61

Tetrachloroethene

Concen: 19.97 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

Tot Ion:164 Resp: 131791

Ion Ratio Lower Upper

164 100

166 123.2 100.6 151.0

129 87.2 71.0 106.6

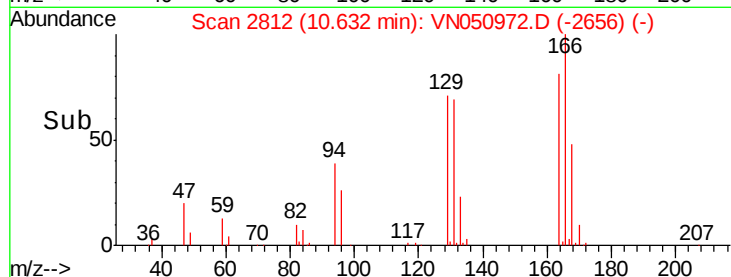
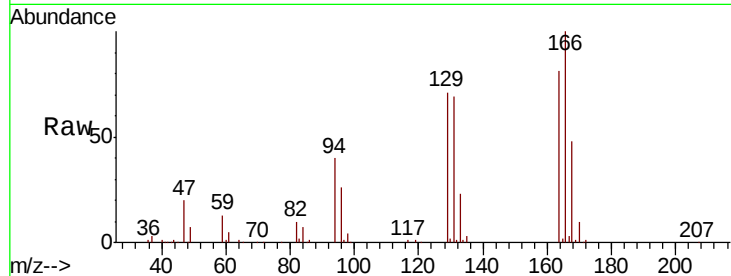
131 84.5 69.3 103.9

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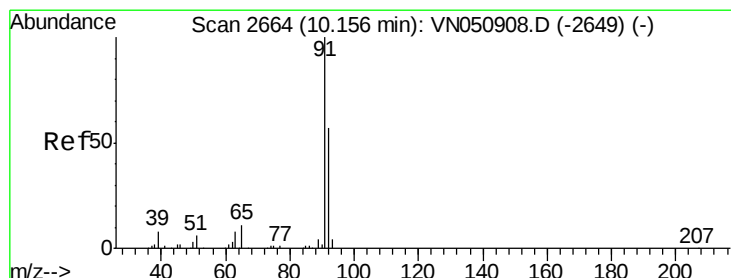
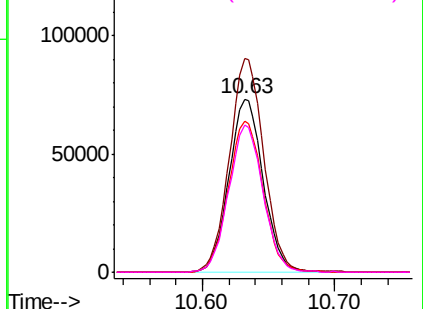


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.68 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050972.D

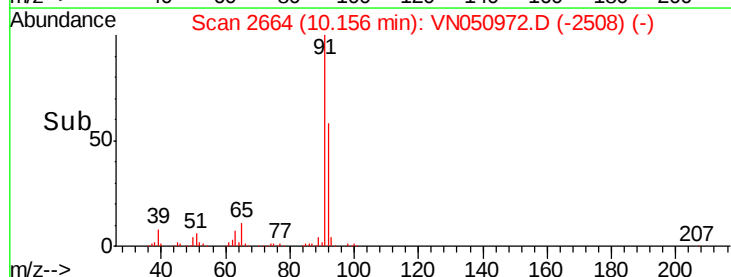
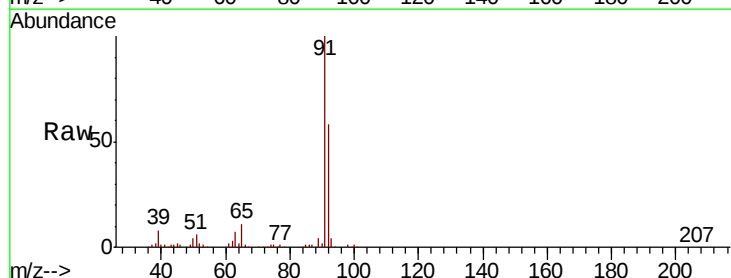
Acq: 30 Aug 2018 19:34

Tgt Ion: 91 Resp: 581533

Ion Ratio Lower Upper

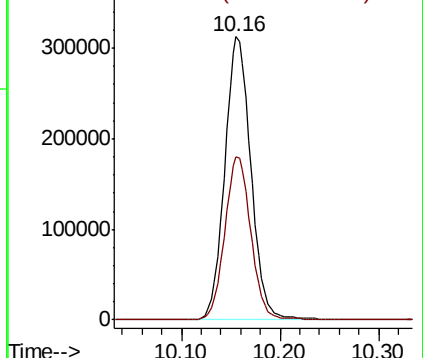
91 100

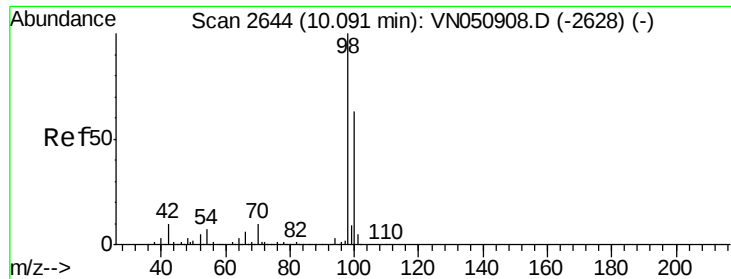
92 57.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 31.31 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS02

Tot Ion: 98 Resp: 773352

Ion Ratio Lower Upper

98 100

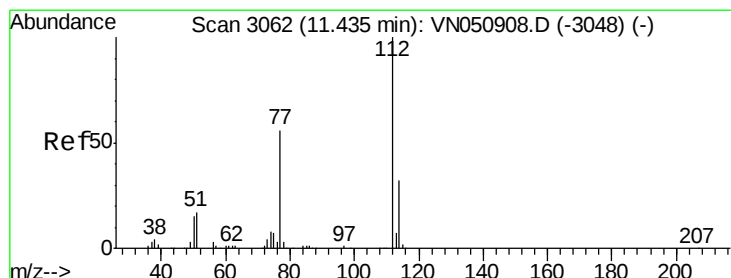
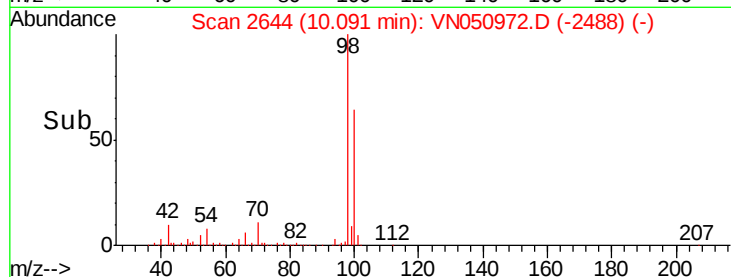
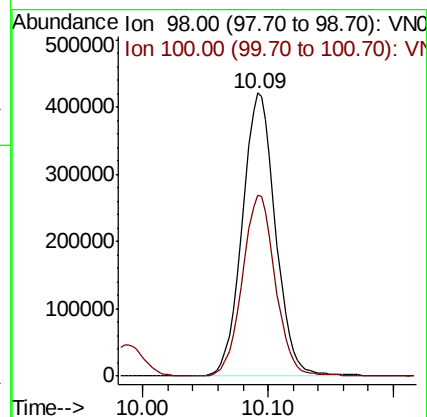
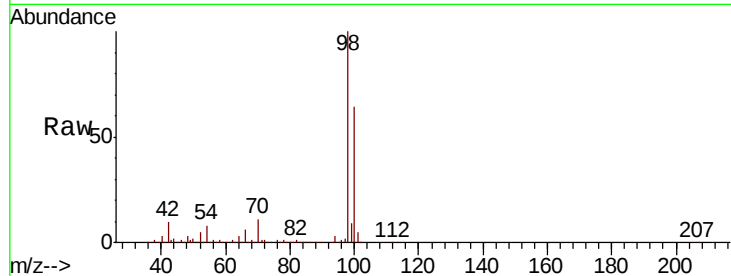
100 63.8 50.6 75.8

Manual Integrations

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#64

Chlorobenzene

Concen: 18.92 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050972.D

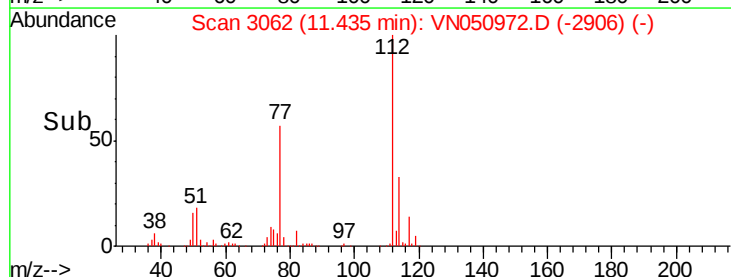
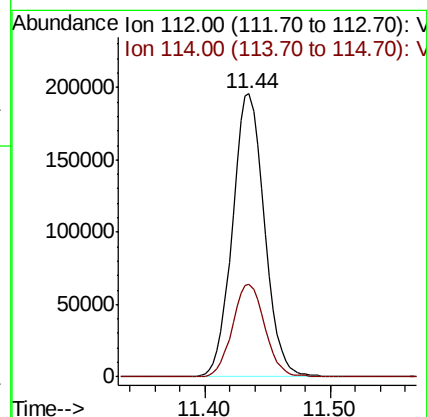
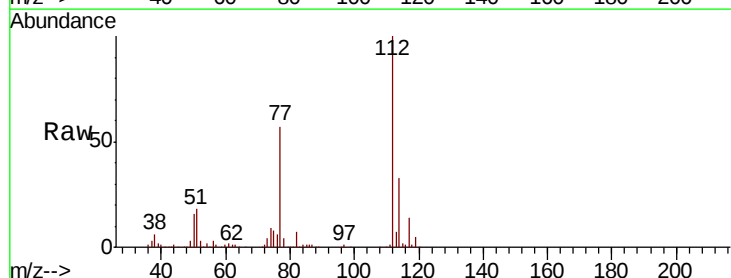
Acq: 30 Aug 2018 19:34

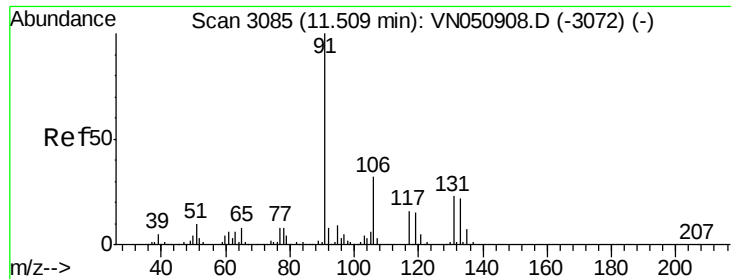
Tgt Ion: 112 Resp: 346600

Ion Ratio Lower Upper

112 100

114 32.7 25.5 38.3





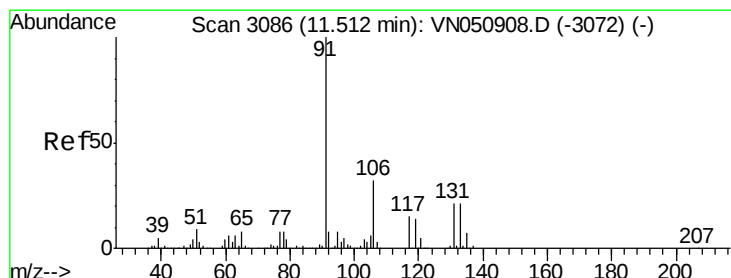
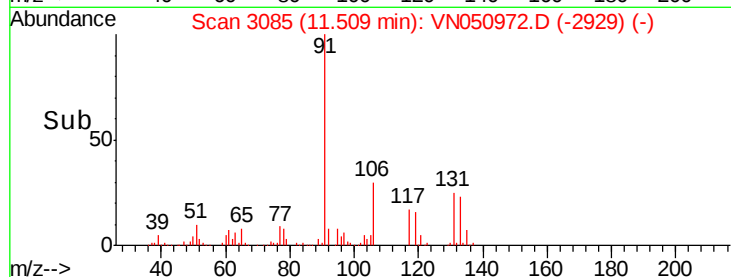
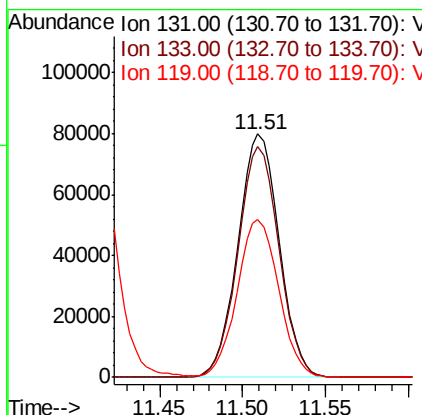
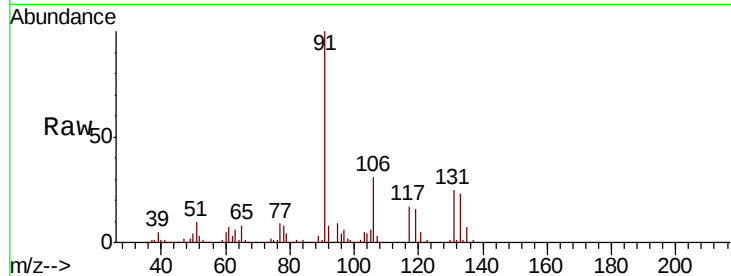
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.02 ug/l
 RT: 11.51 min Scan# 3085
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

Tot Ion	Ratio	Resp	Lower	Upper
131	100			
133	94.5	0.0	189.4	
119	65.4	0.0	132.2	

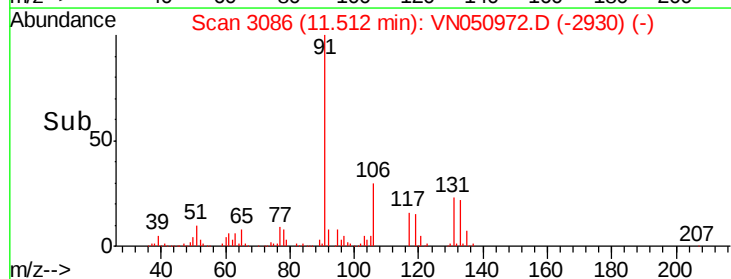
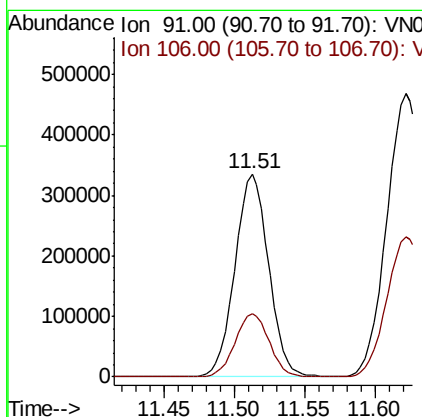
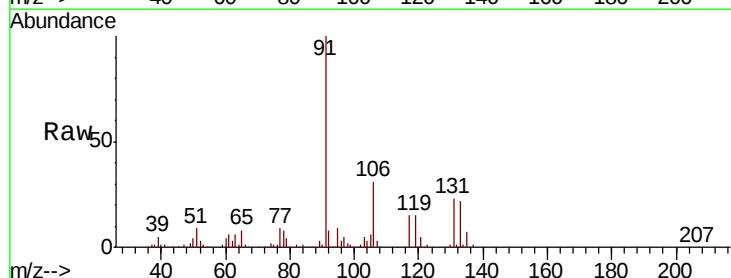
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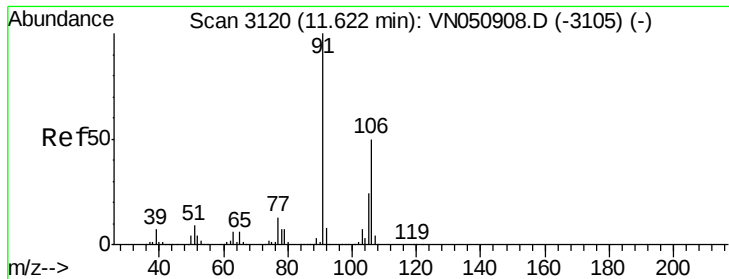
MMDadoda
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#66
 Ethyl Benzene
 Concen: 18.38 ug/l
 RT: 11.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
106	31.1	25.7	38.5	





#67

m/p-Xvlenes

Concen: 38.32 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS02

Tot Ion:106 Resp: 451302

Ion Ratio Lower Upper

106 100

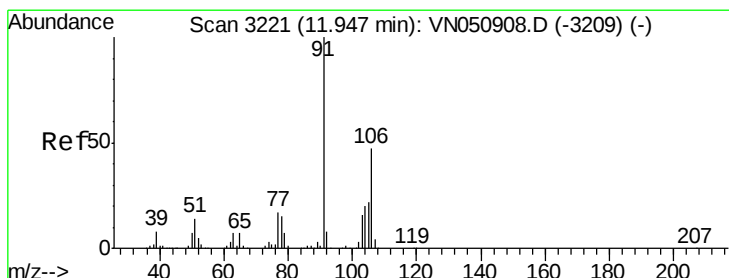
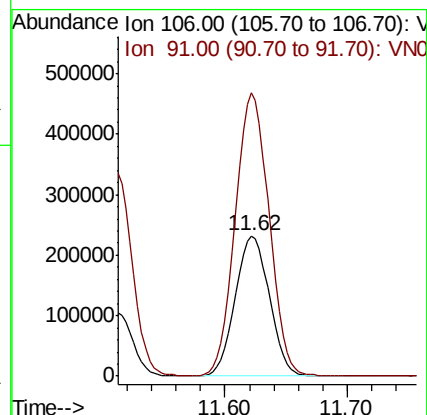
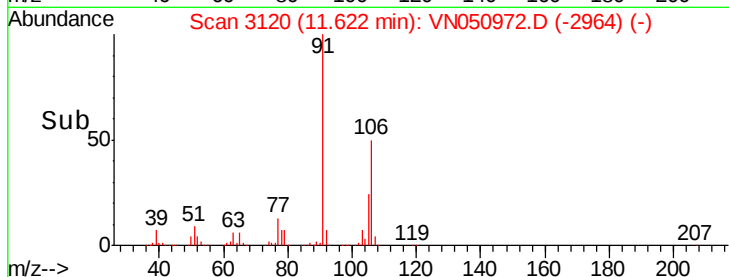
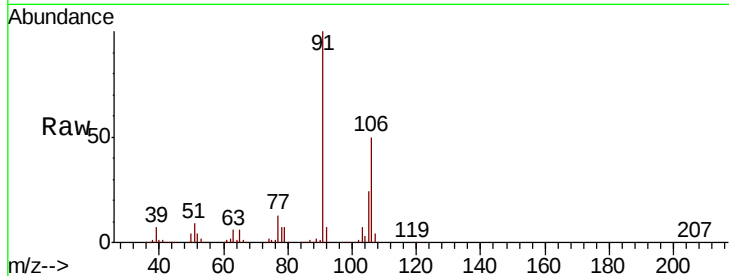
91 199.9 160.6 241.0

Manual Integrations

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#68

o-Xylene

Concen: 18.91 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050972.D

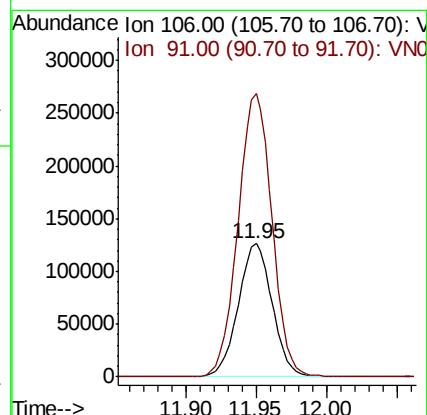
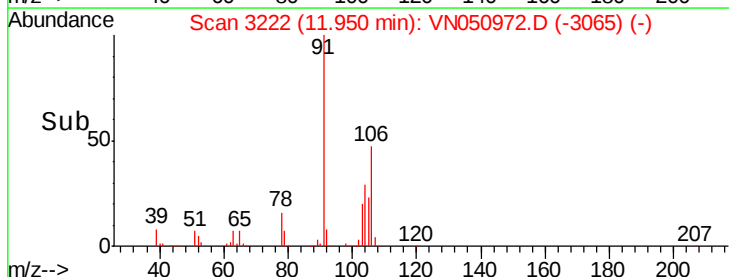
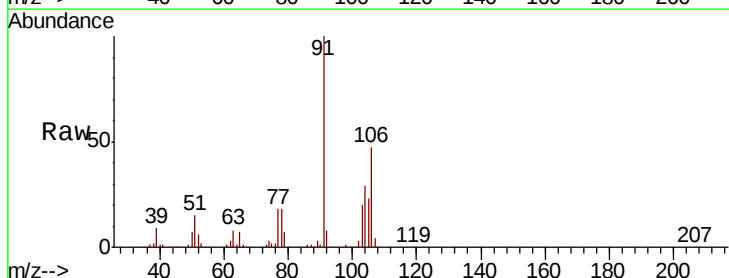
Acq: 30 Aug 2018 19:34

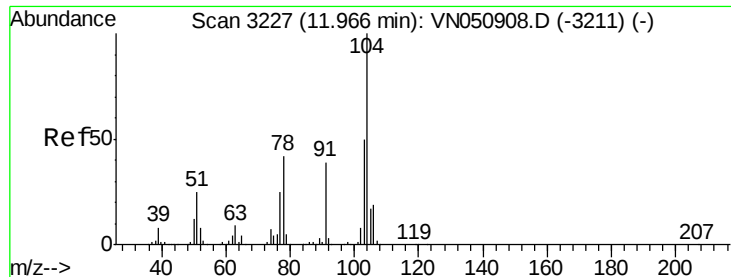
Tgt Ion:106 Resp: 212847

Ion Ratio Lower Upper

106 100

91 212.6 106.4 319.2





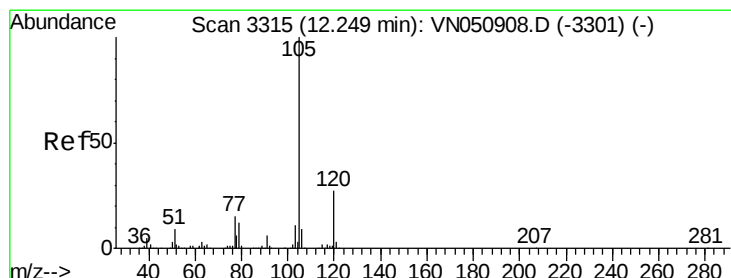
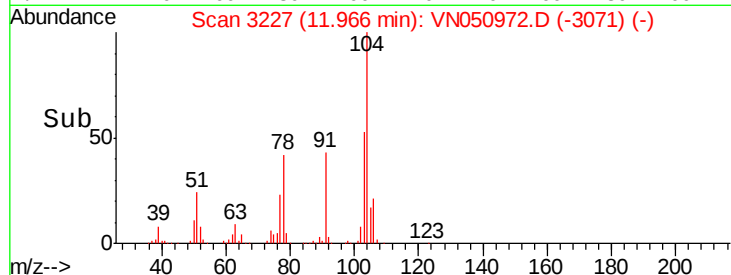
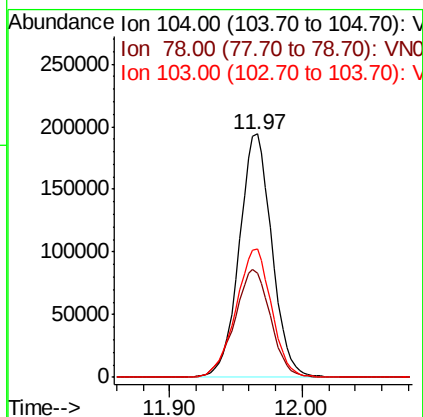
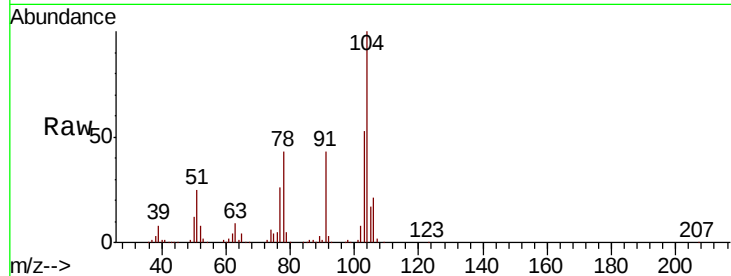
#69
Stvrene
Concen: 18.57 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.6	58.0
103	57.6	45.4	68.2

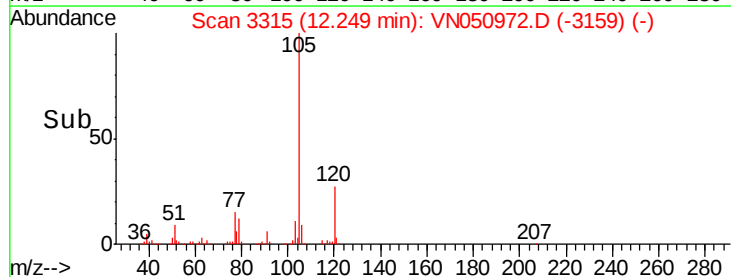
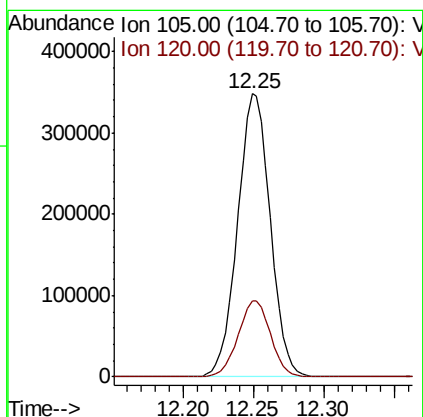
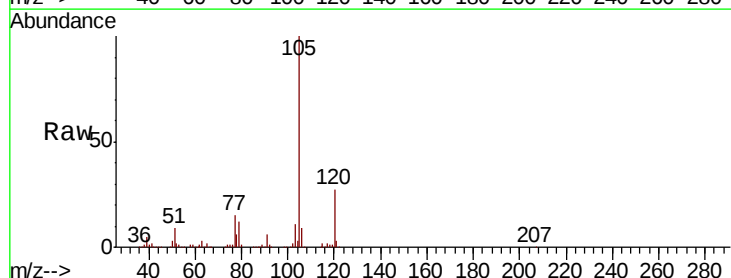
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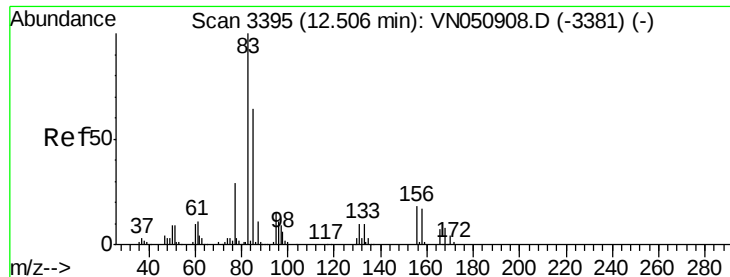
MMDadoda
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#70
Isopropylbenzene
Concen: 18.89 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.6	34.6





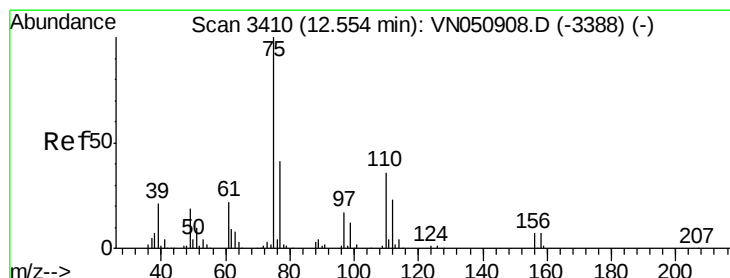
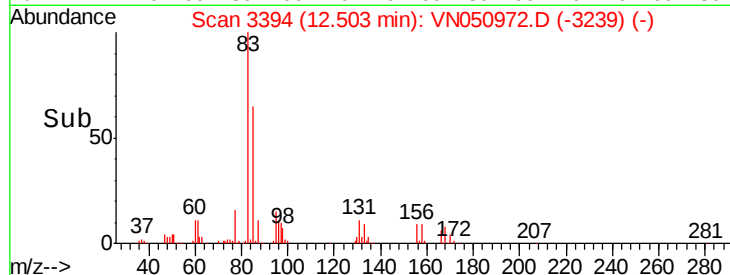
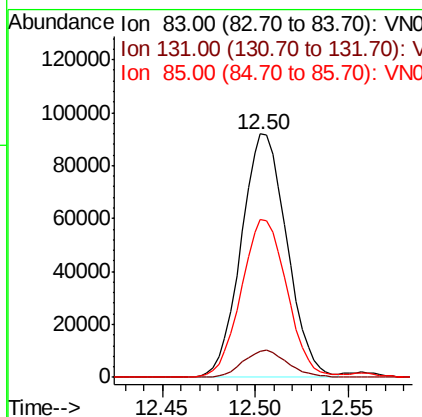
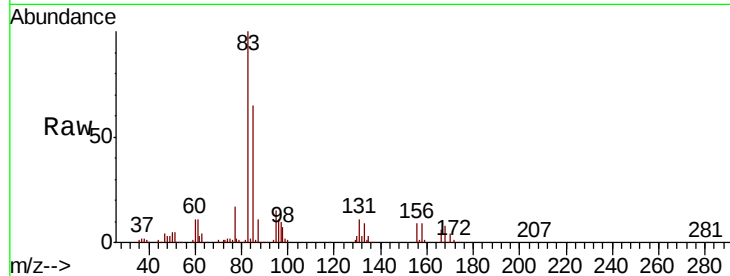
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.46 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.3	15.9
85	64.8	32.3	96.9

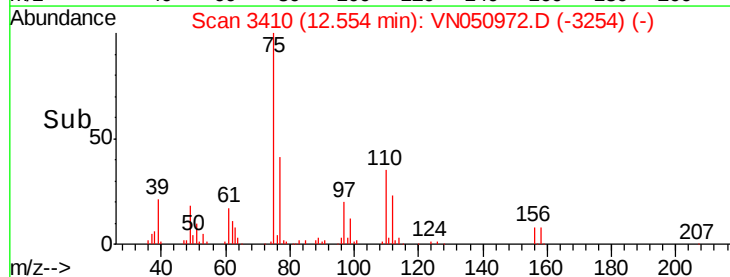
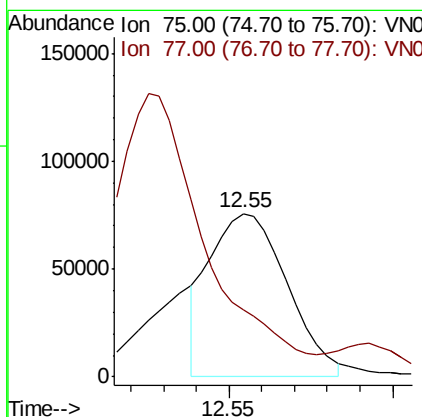
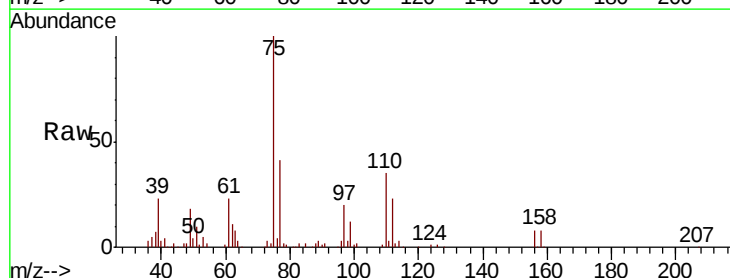
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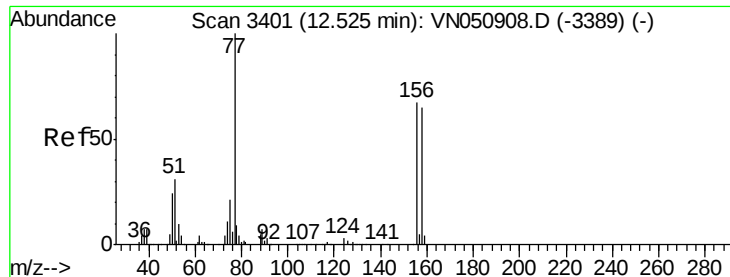
MMDadoda
 8/31/2018 11:32:23 AM



#72
 1,2,3-Trichloropropane
 Concen: 17.96 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	212.1	0.0	301.6





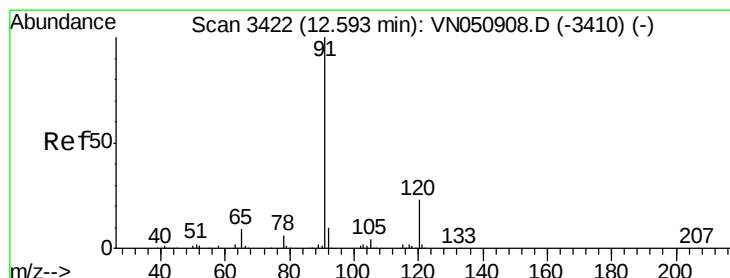
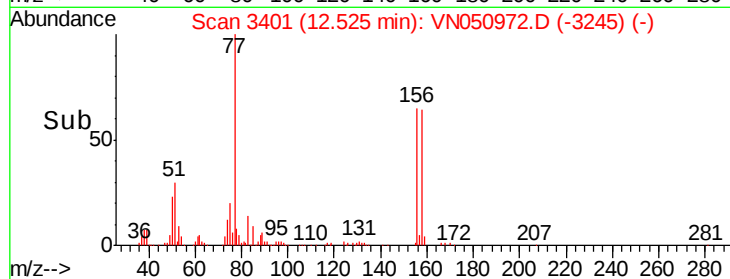
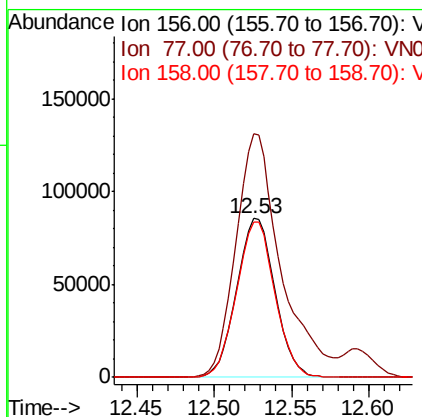
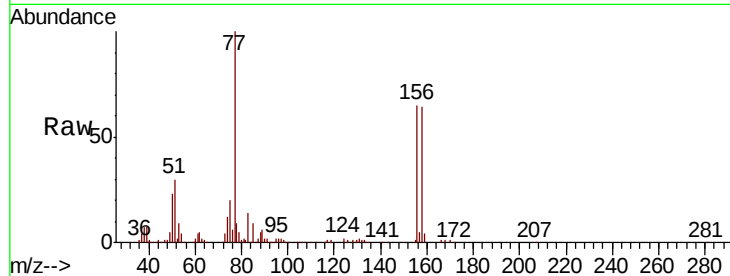
#73
Bromobenzene
Concen: 18.79 ug/l
RT: 12.53 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.0	0.0	359.4
158	97.9	0.0	194.6

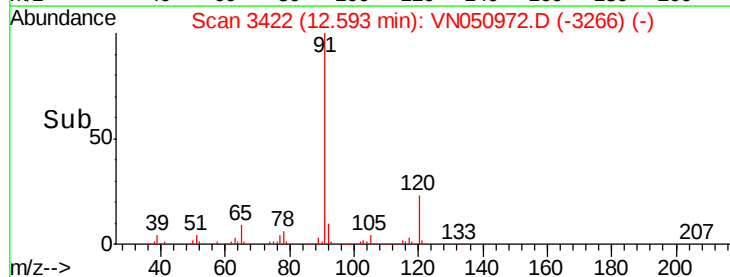
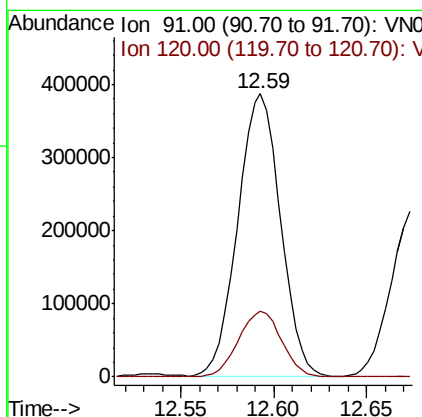
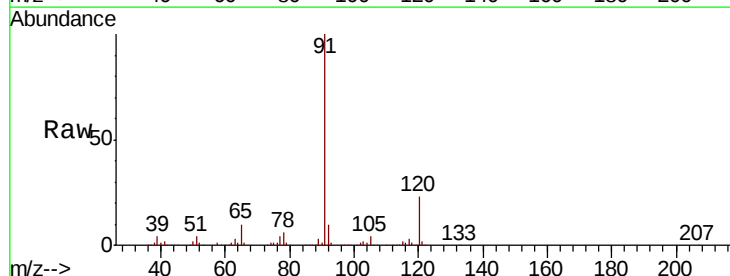
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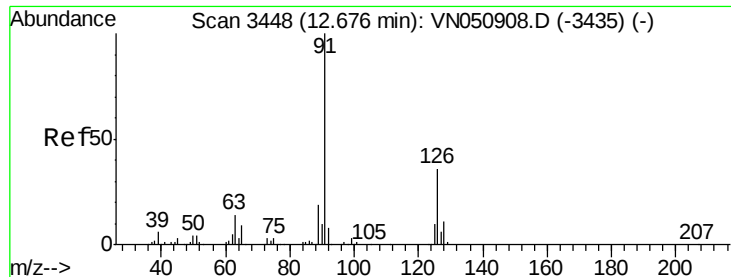
MMDadoda
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#74
n-propylbenzene
Concen: 18.41 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	0.0	46.0





#75

2-Chlorotoluene

Concen: 19.02 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS02

Tot Ion: 91 Resp: 390697

Ion Ratio Lower Upper

91 100

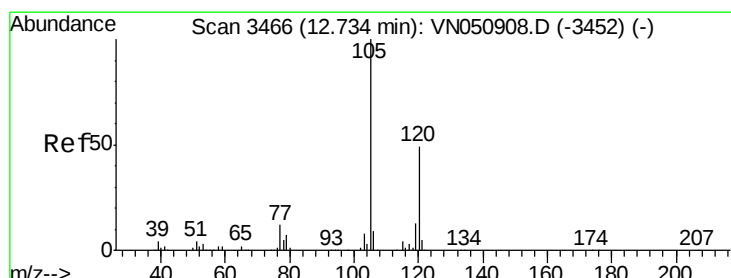
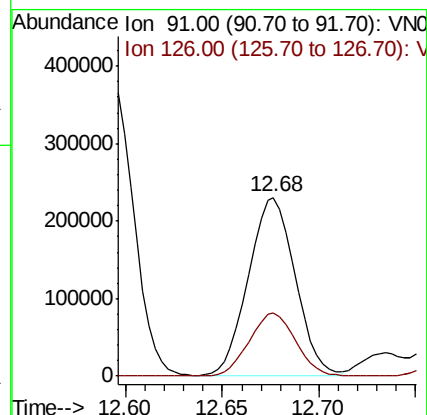
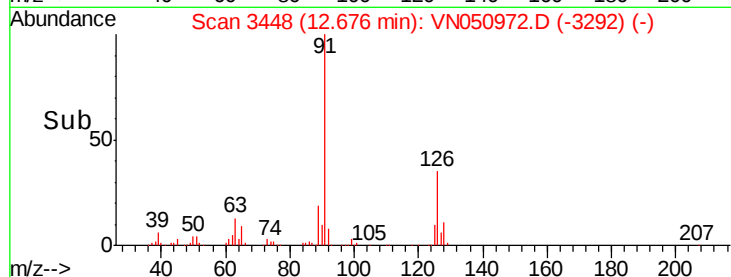
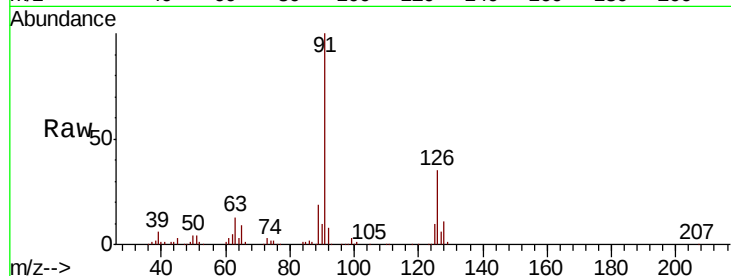
126 34.9 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.00 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050972.D

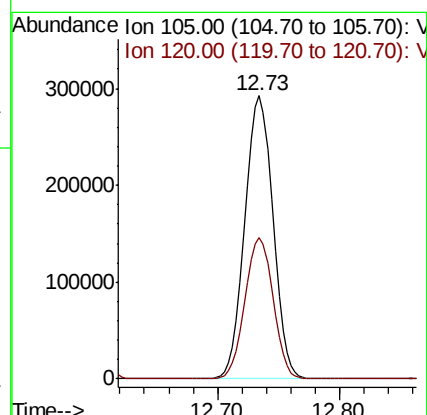
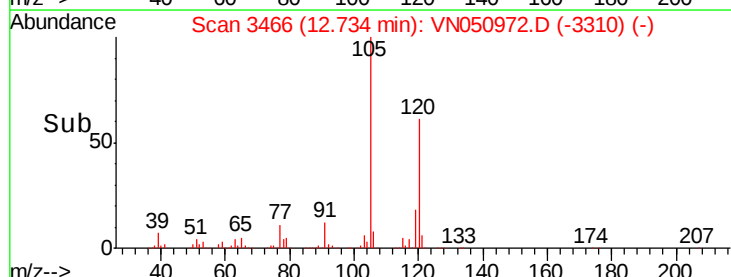
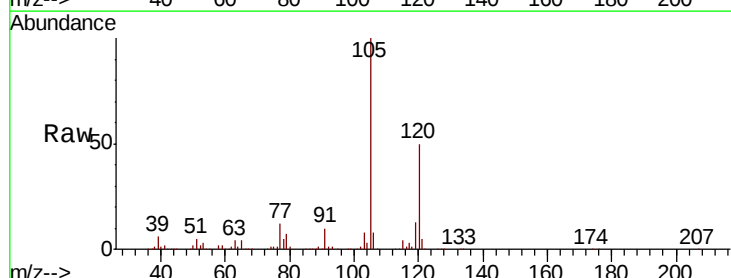
Acq: 30 Aug 2018 19:34

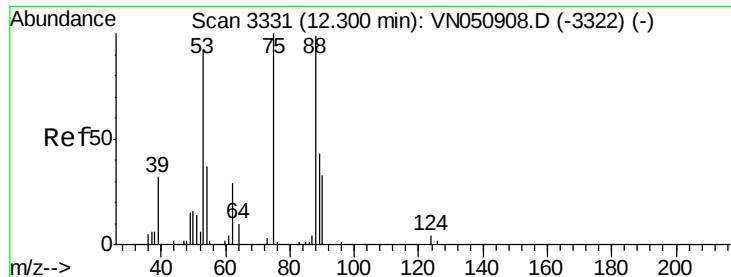
Tgt Ion: 105 Resp: 464388

Ion Ratio Lower Upper

105 100

120 49.9 0.0 99.6





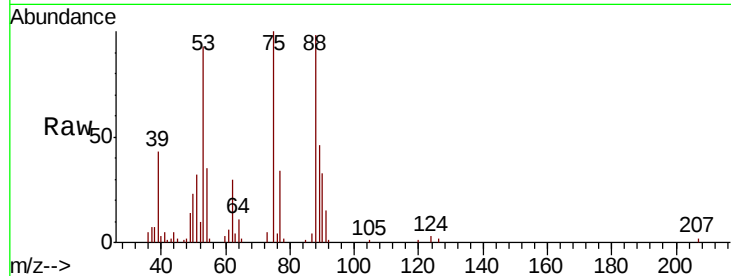
#77
t-1,4-Dichloro-2-butene
Concen: 17.34 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS02

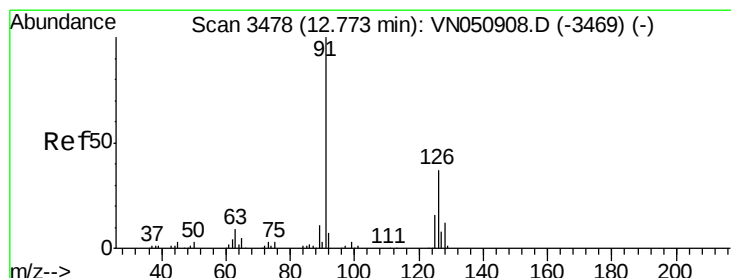
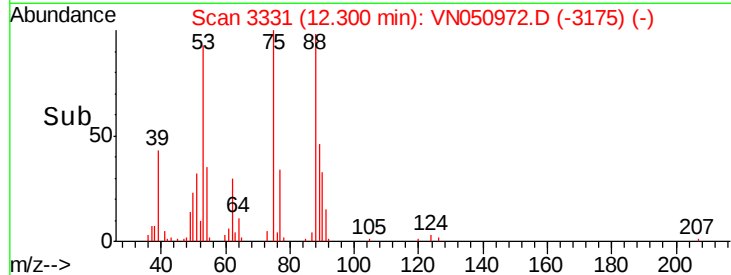
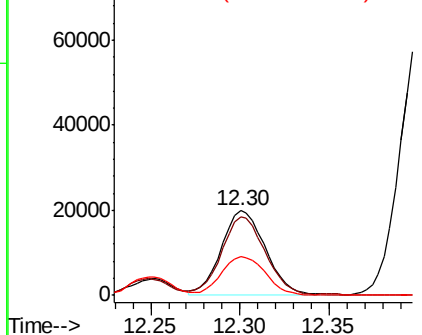
Tot Ion	Ratio	Lower	Upper
75	100		
53	91.8	45.5	136.4
89	45.5	21.9	65.8

Manual Integrations
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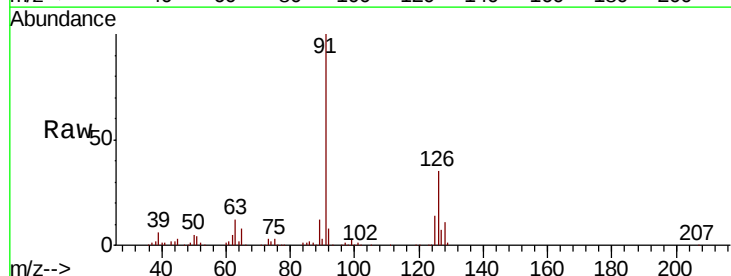


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

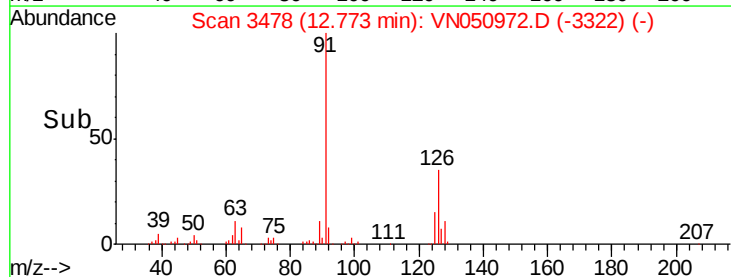
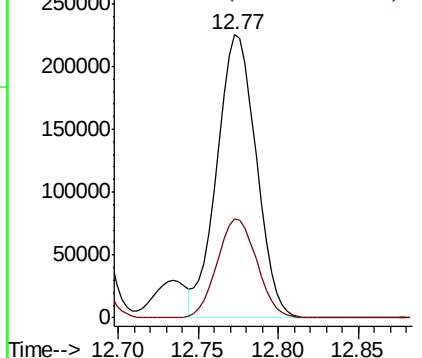


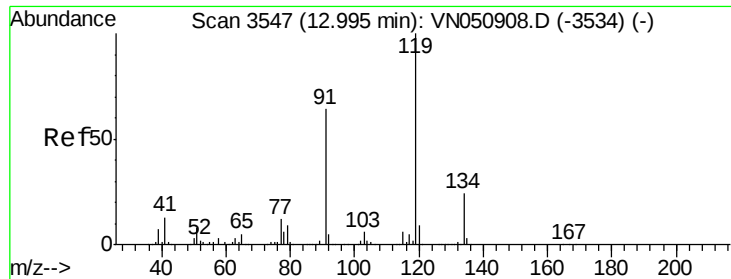
#78
4-Chlorotoluene
Concen: 18.80 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	0.0	69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V





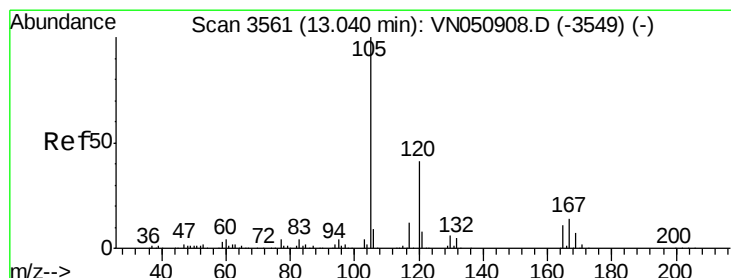
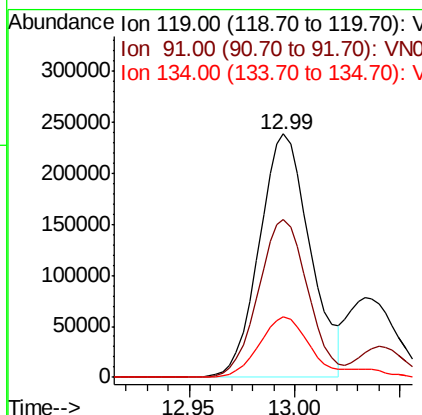
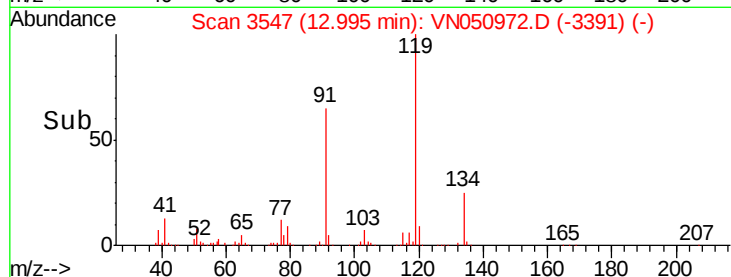
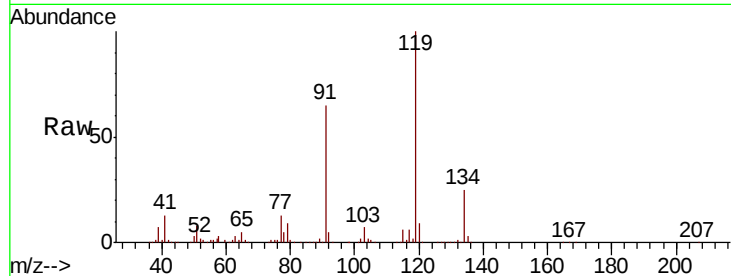
#79
tert-butylbenzene
Concen: 18.87 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	400414		
91	63.4		0.0	125.6
134	24.6		0.0	48.4

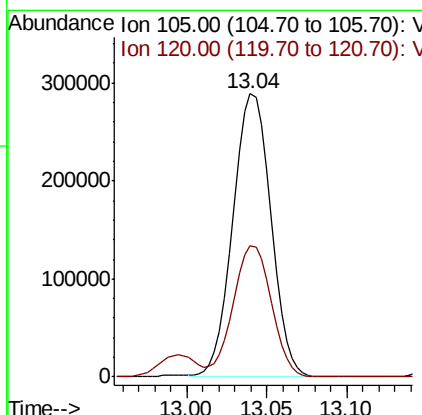
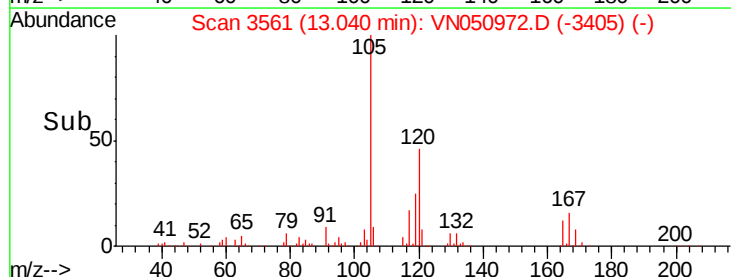
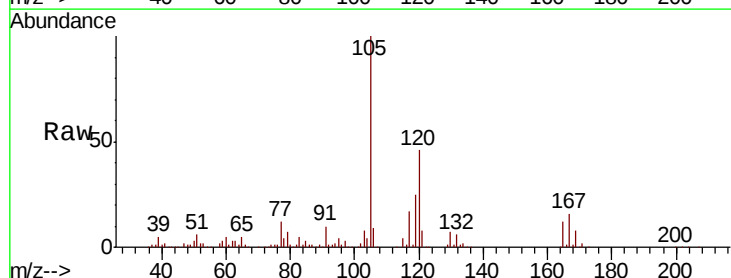
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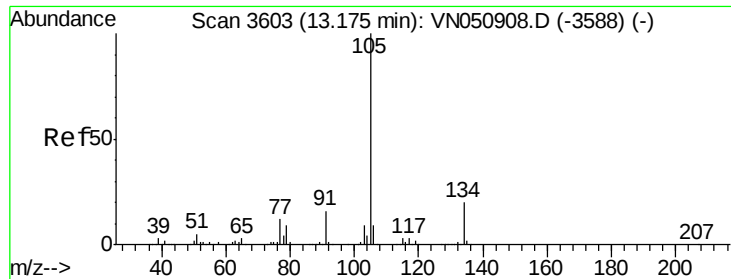
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.22 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050972.D
Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	468344		
120	46.7		0.0	93.6





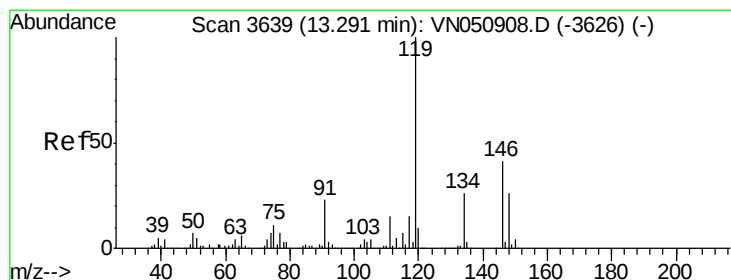
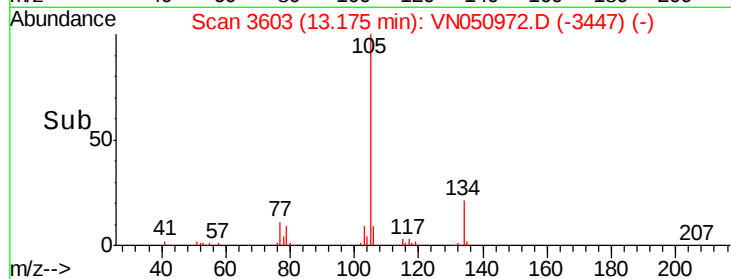
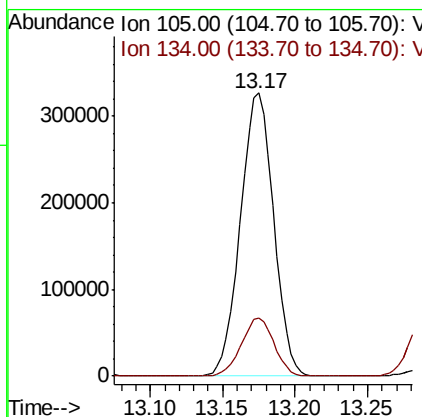
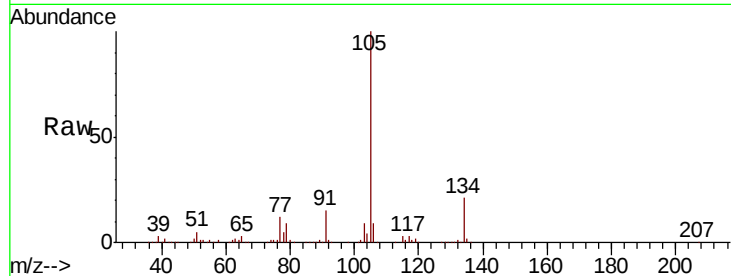
#81
 sec-Butylbenzene
 Concen: 18.74 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	520329		
134	20.4	0.0	40.8	

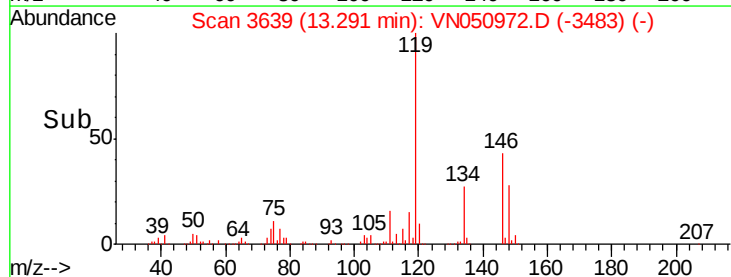
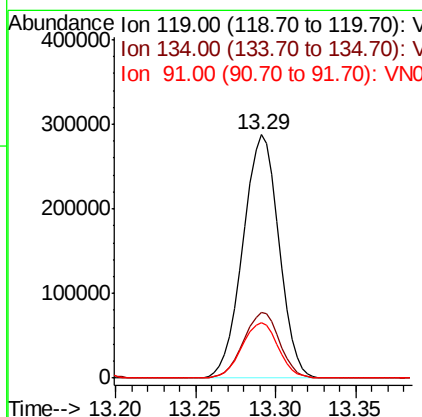
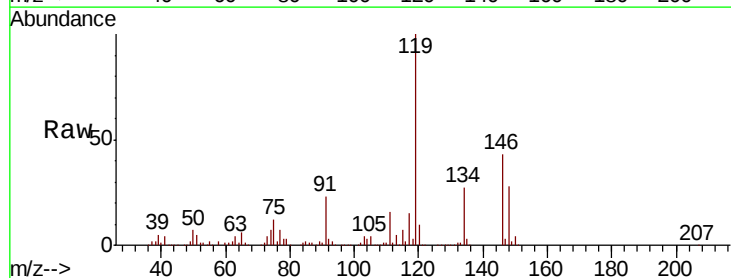
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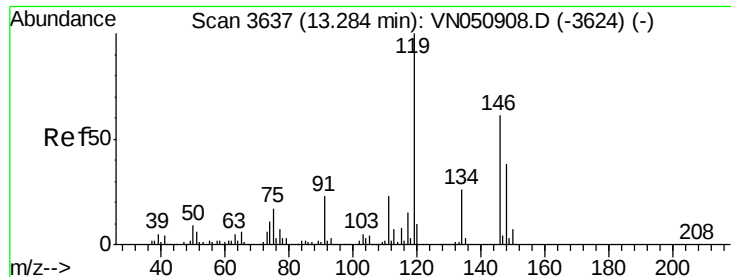
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#82
 p-Isopropyltoluene
 Concen: 18.40 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	440947		
134	27.1	0.0	53.2	
91	22.8	0.0	46.0	





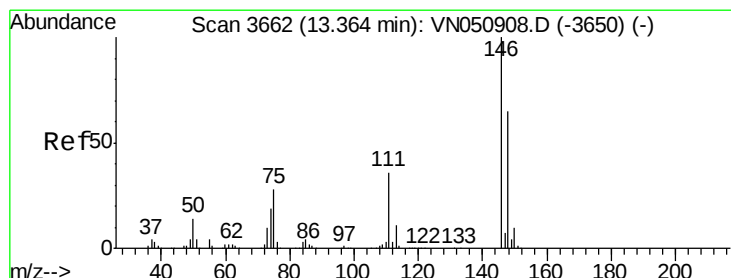
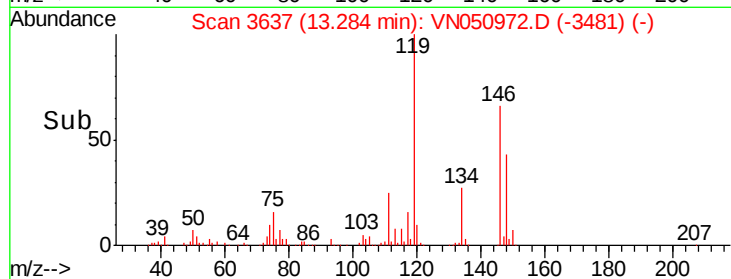
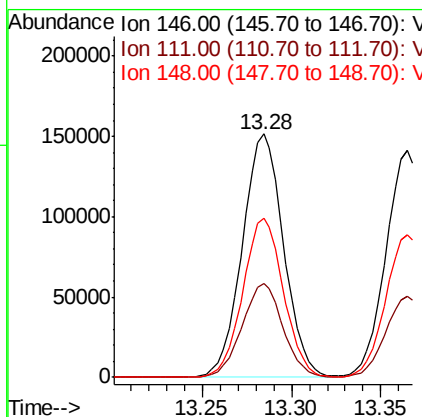
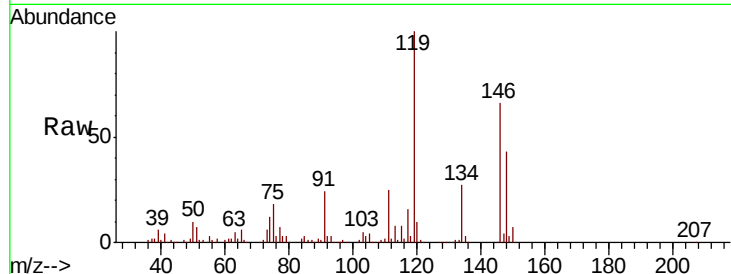
#83
 1,3-Dichlorobenzene
 Concen: 18.36 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	55.6
148	64.4	31.8	95.3

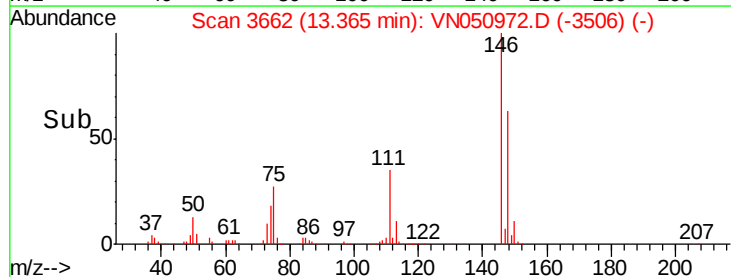
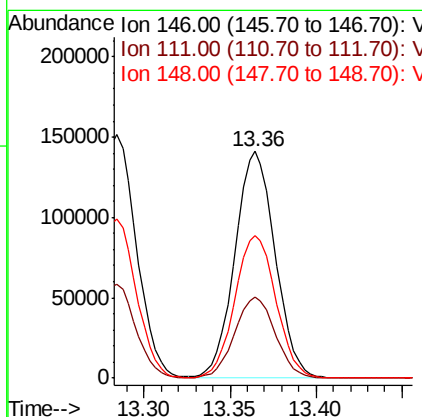
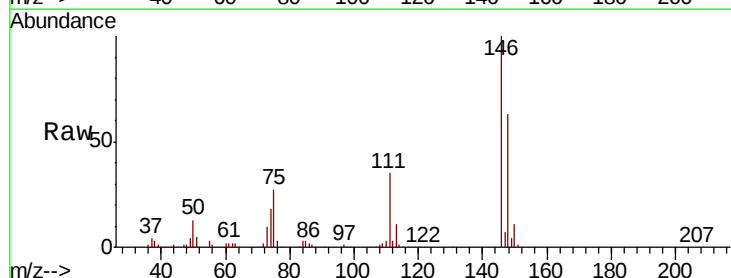
Manual Integrations
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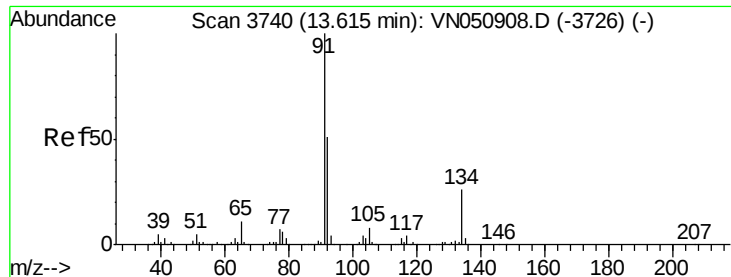
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 8/31/2018 11:32:23 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.27 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	17.7	53.1
148	64.1	31.6	94.8





#85

n-Butylbenzene

Concen: 16.91 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

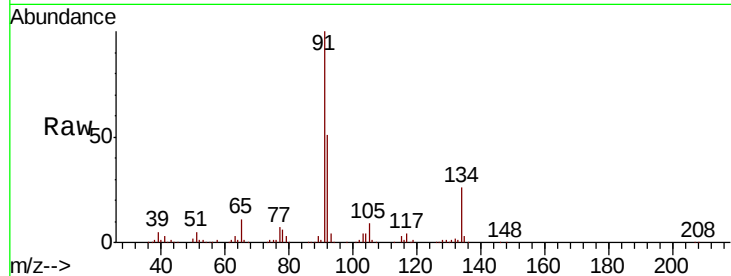
ClientSampled :

VN0830WBS02

Tot Ion:	91	Resp:	309338
Ion	Ratio	Lower	Upper
91	100		
92	50.3	0.0	101.8
134	25.8	0.0	52.2

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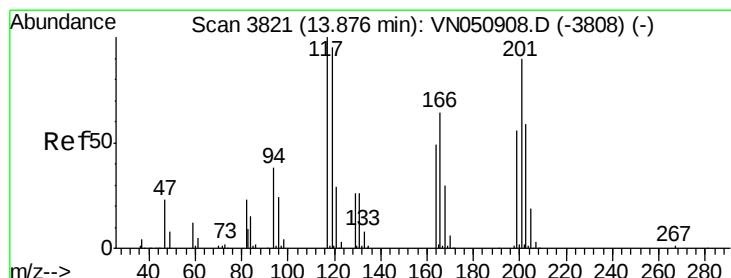
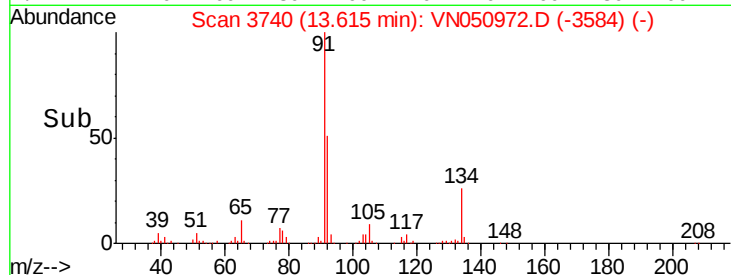
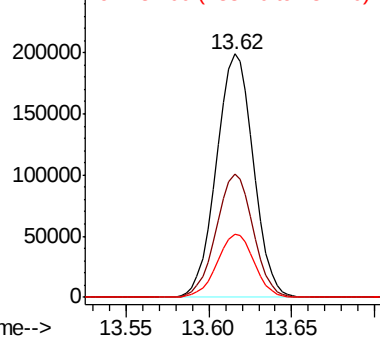


Abundance

Ion 91.00 (90.70 to 91.70): VN050972.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050972.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050972.D (-3726) (-)



#86

Hexachloroethane

Concen: 18.67 ug/l

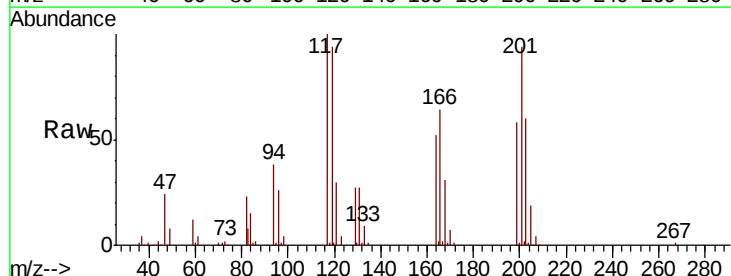
RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

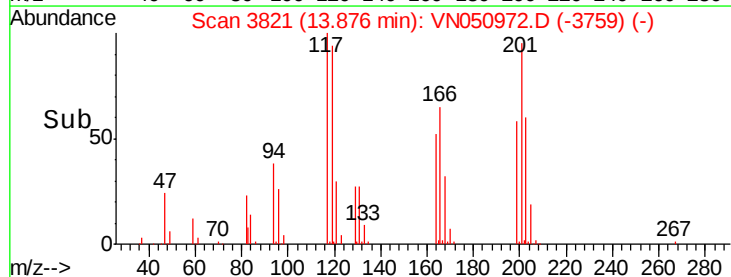
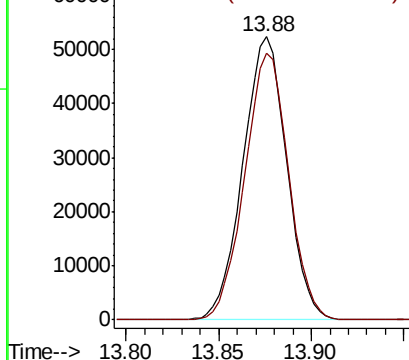
Tgt Ion:	117	Resp:	85896
Ion	Ratio	Lower	Upper
117	100		
201	94.1	45.8	137.4

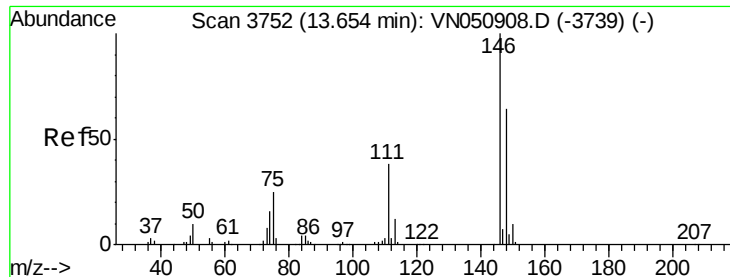


Abundance

Ion 117.00 (116.70 to 117.70): VN050972.D (-3759) (-)

Ion 201.00 (200.70 to 201.70): VN050972.D (-3759) (-)





#87

1,2-Dichlorobenzene

Concen: 18.83 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

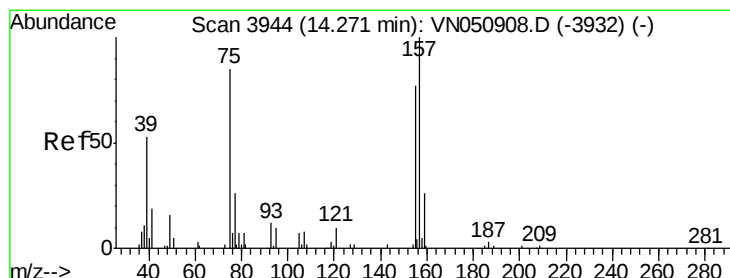
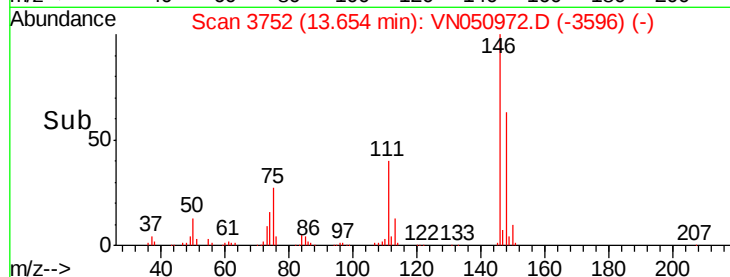
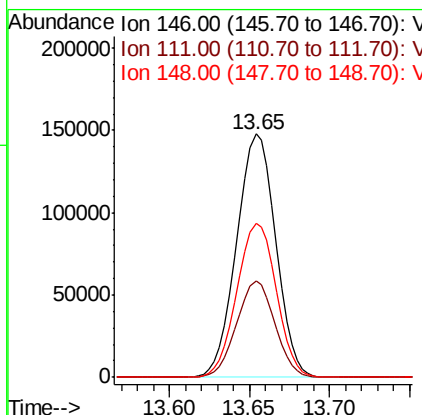
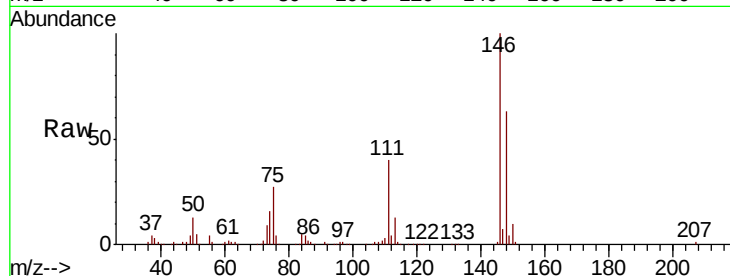
ClientSampled :

VN0830WBS02

Tot Ion:	146	Resp:	246520
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.1
148	63.8	31.9	95.9

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.36 ug/l

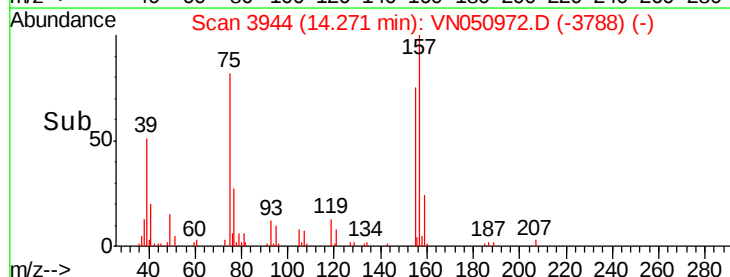
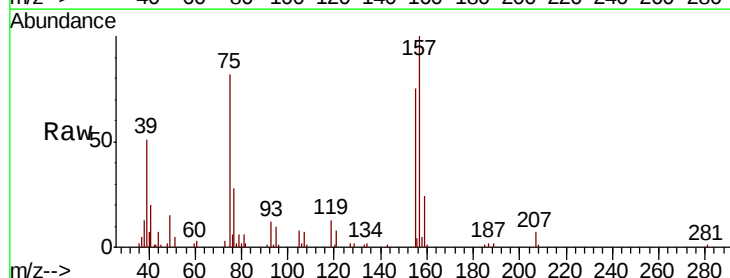
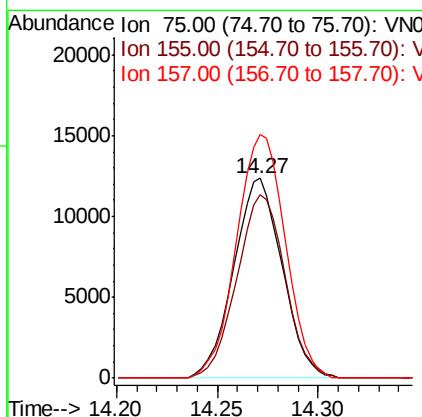
RT: 14.27 min Scan# 3944

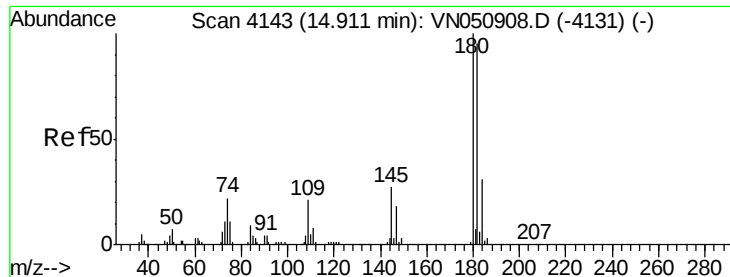
Delta R.T. 0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Tgt Ion:	75	Resp:	20796
Ion Ratio	Lower	Upper	
75	100		
155	91.3	71.8	107.6
157	122.9	91.1	136.7





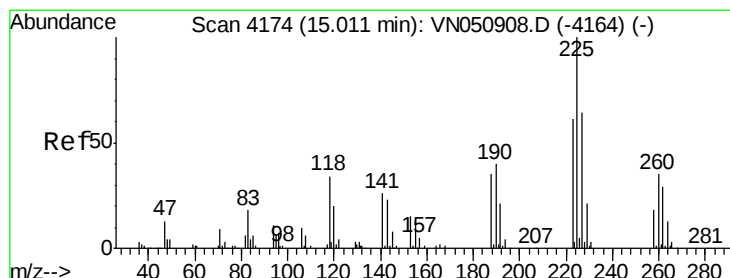
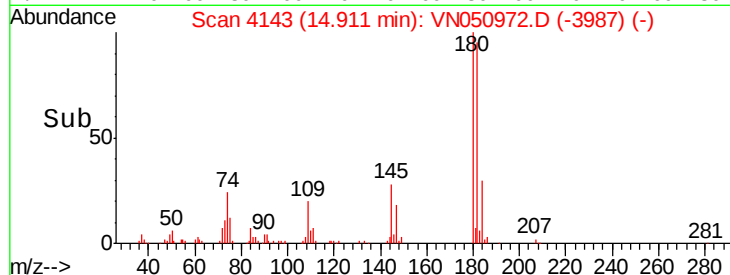
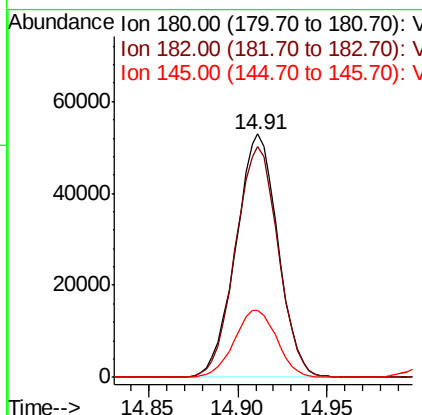
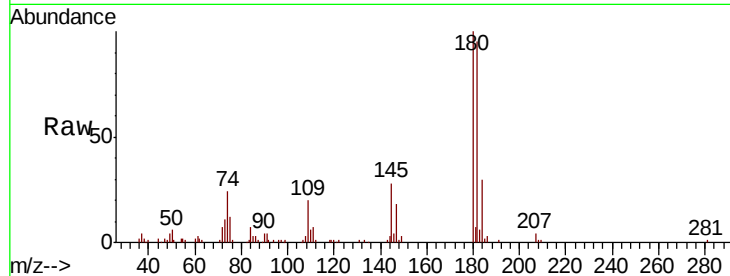
#89
 1,2,4-Trichlorobenzene
 Concen: 14.91 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.2	114.4
145	27.7	22.2	33.4

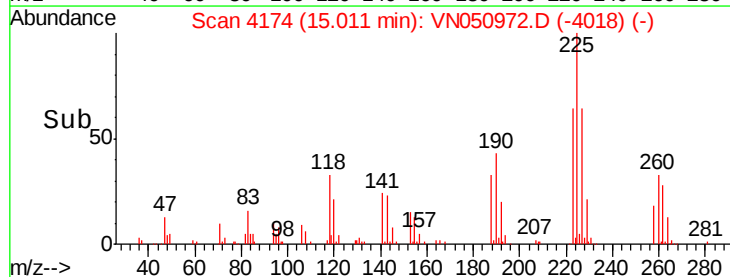
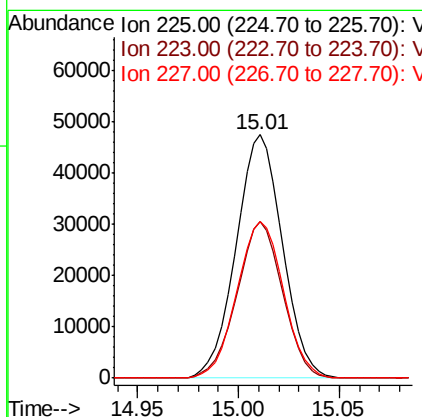
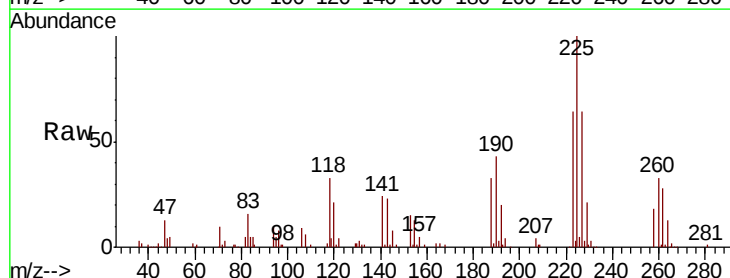
Manual Integrations
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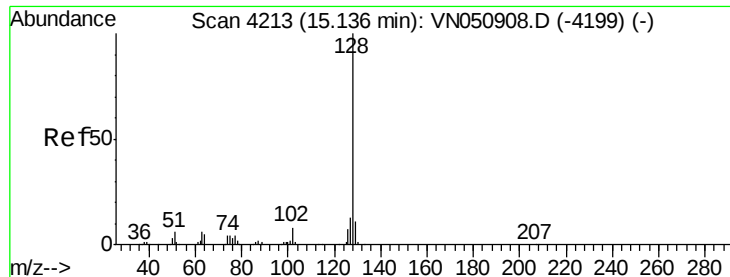
MMDadoda
 8/31/2018 11:32:23 AM



#90
 Hexachlorobutadiene
 Concen: 19.33 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050972.D
 Acq: 30 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	0.0	127.8
227	64.6	0.0	128.4





#91

Naphthalene

Concen: 17.95 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Instrument :

MSVOA_N

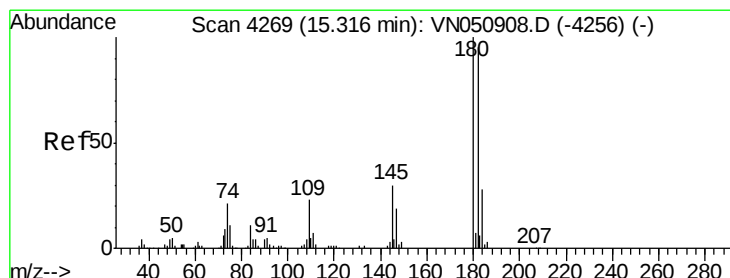
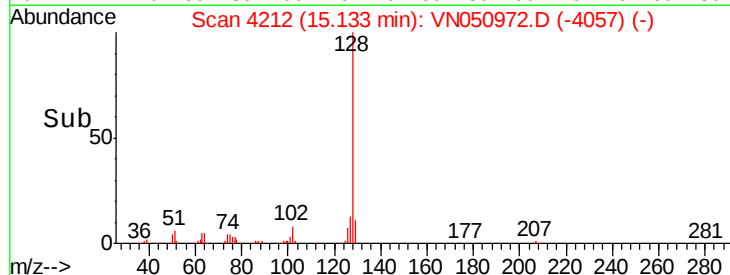
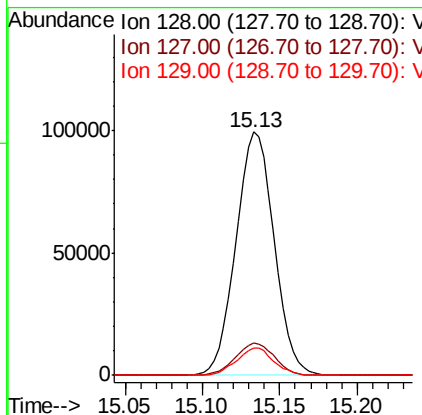
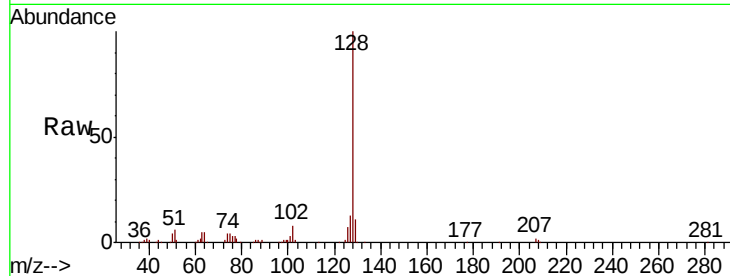
ClientSampleId :

VN0830WBS02

Tot Ion:	128	Resp:	170810
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/31/2018 11:32:23 AM



#92

1,2,3-Trichlorobenzene

Concen: 16.44 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN050972.D

Acq: 30 Aug 2018 19:34

Tgt Ion:	180	Resp:	96185
Ion Ratio	Lower	Upper	
180	100		
182	98.3	0.0	192.8
145	29.9	0.0	60.0

