

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN100918\
 Data File : VN051748.D
 Acq On : 9 Oct 2018 13:42
 Operator : MD\SY
 Sample : VN1009WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Manual Integrations
 APPROVED

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 10/17/2018 4:53:25 PM

Quant Time: Oct 17 16:50:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	116393	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	682159	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	611173	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	239607	29.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.87%
60) 4-Bromofluorobenzene	12.40	95	269165	28.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.20%
63) Toluene-d8	10.09	98	817051	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	164055	24.163	ug/l 97
3) Chloromethane	2.06	50	141480	21.227	ug/l 96
4) Vinyl Chloride	2.18	62	219359	21.638	ug/l 98
5) Bromomethane	2.57	94	172351	21.871	ug/l 88
6) Chloroethane	2.70	64	153282	22.558	ug/l 98
7) Trichlorofluoromethane	3.01	101	262942	22.648	ug/l 97
8) Diethyl Ether	3.41	74	72433	23.357	ug/l 82
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136432	22.915	ug/l # 36
10) 1,1-Dichloroethene	3.74	96	123179	22.671	ug/l 90
11) Methyl Iodide	3.95	142	170212	24.402	ug/l 96
12) Methyl Acetate	4.33	43	100218	23.374	ug/l 95
13) Acrolein	3.61	56	32382	102.734	ug/l 94
14) Acrylonitrile	4.99	53	196702	112.364	ug/l # 60
15) Acetone	3.82	58	46434	110.991	ug/l 82
16) Carbon Disulfide	4.05	76	318528	20.496	ug/l 99
17) Allyl chloride	4.33	41	167172	21.096	ug/l 78
18) Methylene Chloride	4.55	84	143388	23.392	ug/l 92
19) trans-1,2-Dichloroethene	5.04	96	137284	22.352	ug/l 87
20) Diisopropyl ether	5.96	45	374209	21.025	ug/l # 87
21) 1,1-Dichloroethane	5.85	63	243397	21.912	ug/l # 95
22) cis-1,2-Dichloroethene	6.83	96	162488	22.486	ug/l 87
23) tert-Butyl Alcohol	4.80	59	56470	124.883	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	392291m	22.487	ug/l
25) Chloroform	7.37	83	281893	22.444	ug/l 95
26) Cyclohexane	7.66	56	204853	21.703	ug/l # 77
29) 1,1-Dichloropropene	7.79	75	198463	21.890	ug/l 97
30) 2-Butanone	6.84	43	230003	104.165	ug/l # 91
31) 2,2-Dichloropropane	6.83	77	235478	20.848	ug/l # 79
32) 1,1,1-Trichloroethane	7.57	97	265631	21.787	ug/l 96
33) Carbon Tetrachloride	7.77	117	241078	21.810	ug/l 91
34) Benzene	8.04	78	596729	21.758	ug/l # 69
35) Methacrylonitrile	7.17	41	43392	17.807	ug/l 75
36) 1,2-Dichloroethane	8.13	62	201577	21.960	ug/l 98
37) Trichloroethene	8.84	130	169843	22.271	ug/l 99
38) Methylcyclohexane	9.08	83	251335	21.891	ug/l 82
39) 1,2-Dichloropropane	9.12	63	147290	21.926	ug/l 98
40) Dibromomethane	9.21	93	103849	22.346	ug/l 97

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Manual Integrations
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Quant Time: Oct 17 16:50:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	223660	21.566	ug/l	93
42) Vinyl Acetate	5.90	43	1369275	105.244	ug/l #	93
43) Ethyl Acetate	6.93	43	109934	23.661	ug/l	97
44) Isopropyl Acetate	8.17	43	261704	25.468	ug/l #	90
45) 1,4-Dioxane	9.20	88	29626	456.309	ug/l #	81
46) Methyl methacrylate	9.20	41	104026	22.708	ug/l	83
47) n-amyl Acetate	12.07	43	187032m	21.440	ug/l	
48) t-1,3-Dichloropropene	10.38	75	217144	20.696	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	234261	20.716	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	146705	22.384	ug/l	95
51) Ethyl methacrylate	10.43	69	179836	21.575	ug/l	87
52) 1,3-Dichloropropane	10.71	76	228174	21.861	ug/l	99
53) Dibromochloromethane	10.90	129	179189	20.815	ug/l	96
54) 1,2-Dibromoethane	11.01	107	149661	21.767	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	318445	92.218	ug/l #	95
56) Bromoform	12.13	173	122373	19.829	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	569218	113.435	ug/l #	92
59) 2-Hexanone	10.75	43	364372	107.278	ug/l	93
61) Tetrachloroethene	10.63	164	163965	22.772	ug/l	98
62) Toluene	10.16	91	694510	22.433	ug/l	99
64) Chlorobenzene	11.44	112	451886	22.741	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	180102	22.269	ug/l	99
66) Ethyl Benzene	11.51	91	778063	22.341	ug/l	98
67) m/p-Xylenes	11.62	106	626247	44.958	ug/l	99
68) o-Xylene	11.95	106	311849	22.699	ug/l	91
69) Styrene	11.96	104	486575	22.197	ug/l	98
70) Isopropylbenzene	12.25	105	842442	22.820	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	179241	23.249	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	143037m	23.258	ug/l	
73) Bromobenzene	12.53	156	196890	22.175	ug/l	88
74) n-propylbenzene	12.59	91	912530	22.454	ug/l	96
75) 2-Chlorotoluene	12.67	91	531297	22.374	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	710330	22.676	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	47287	20.622	ug/l	94
78) 4-Chlorotoluene	12.77	91	529488	22.250	ug/l	94
79) tert-butylbenzene	12.99	119	646687	22.953	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	720505	23.124	ug/l	99
81) sec-Butylbenzene	13.17	105	864973	22.950	ug/l	98
82) p-Isopropyltoluene	13.29	119	770397	23.202	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	362762	22.846	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	338570	22.313	ug/l	97
85) n-Butylbenzene	13.61	91	581591	22.160	ug/l	94
86) Hexachloroethane	13.88	117	136176	20.728	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	357331	22.965	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29276	23.062	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.91	180	149374	22.607	ug/l	98
90) Hexachlorobutadiene	15.01	225	108903	23.001	ug/l	98
91) Naphthalene	15.13	128	314466	21.404	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	153263	22.833	ug/l	93

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ClientSampleId :
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Manual Integrations
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Quant Time: Oct 17 16:50:17 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 05 11:11:26 2018
Response via : Initial Calibration

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

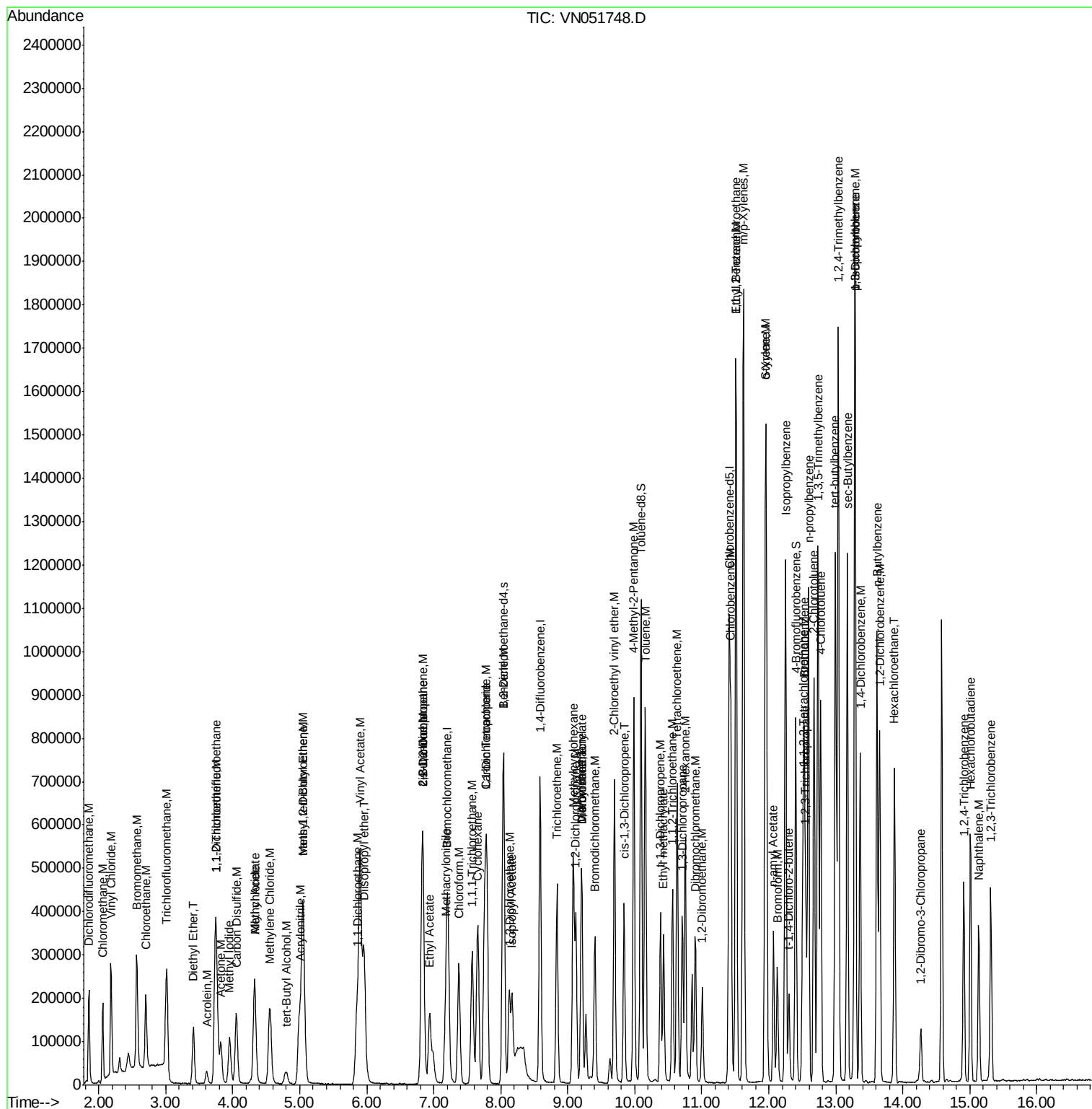
Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN100918\
 Data File : VN051748.D
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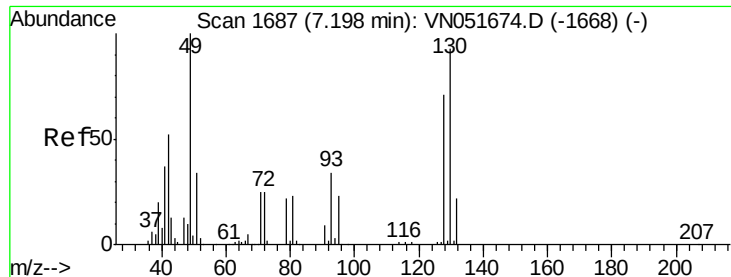
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Manual Integrations
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Quant Time: Oct 17 16:50:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

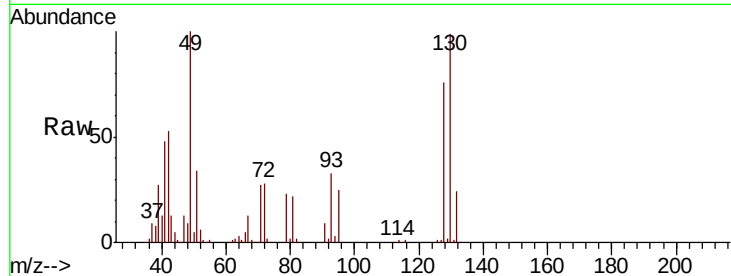
ClientSampleId :

VN1009WBSD01

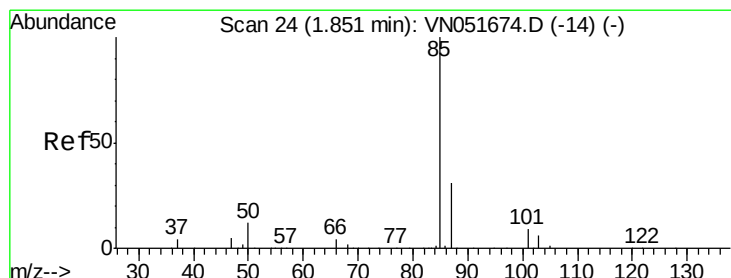
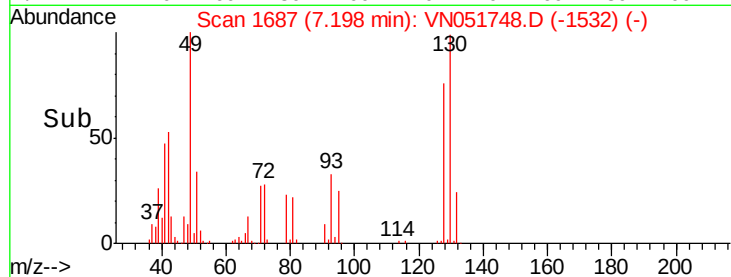
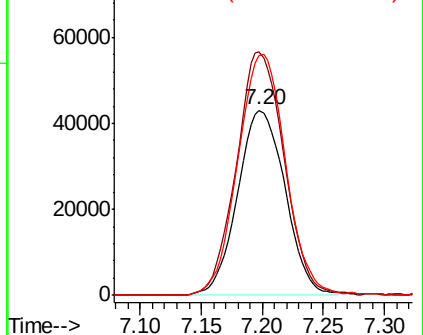
Tot Ion:	128	Resp:	116393
Ion	Ratio	Lower	Upper
128	100		
49	132.5	0.0	403.3
130	131.0	0.0	326.0

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 24.163 ug/l

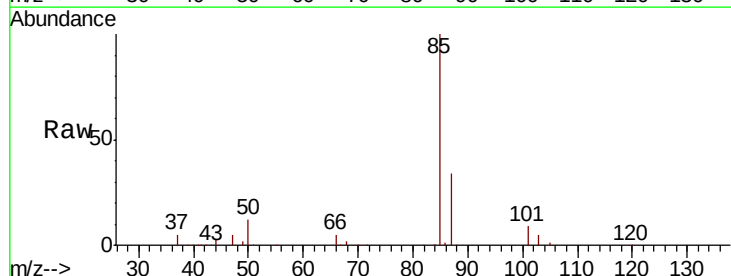
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

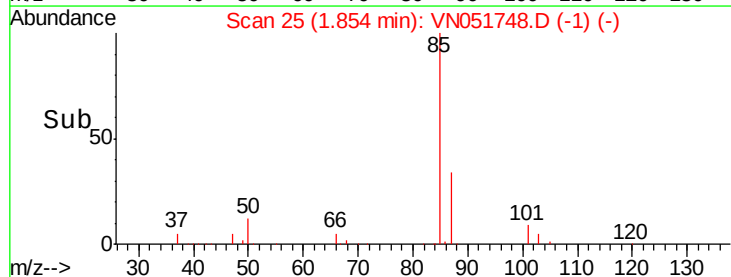
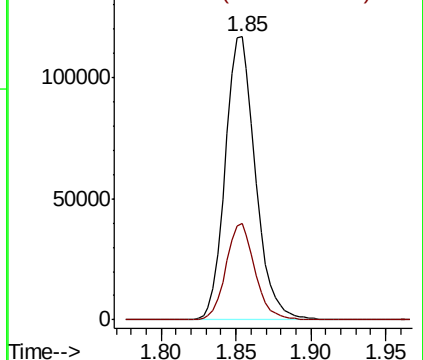
Lab File: VN051748.D

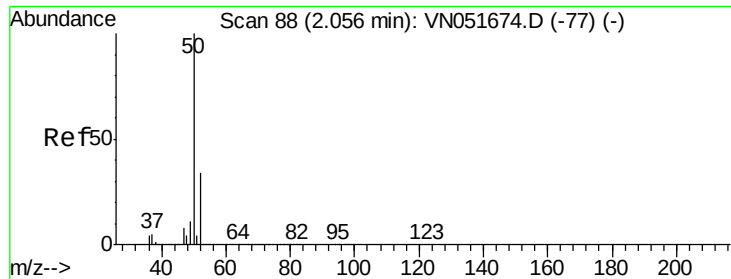
Acq: 9 Oct 2018 13:42

Tgt Ion:	85	Resp:	164055
Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





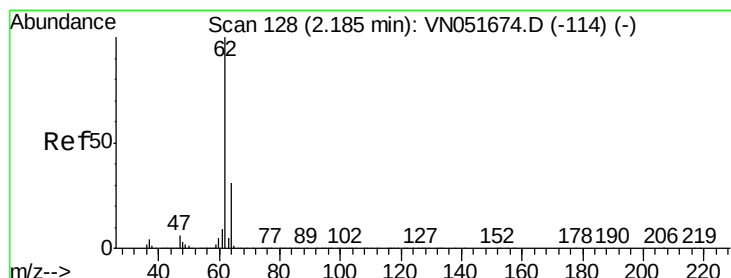
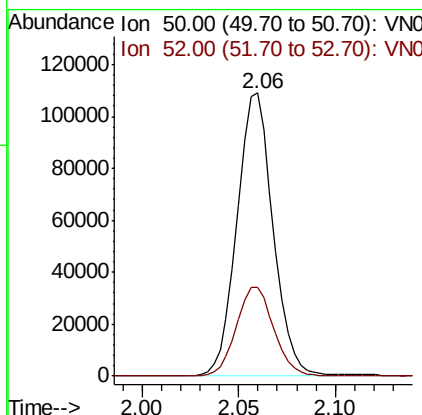
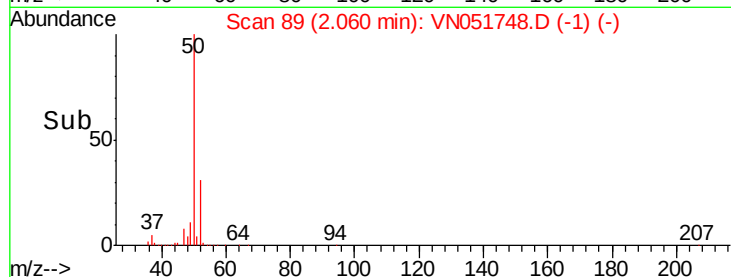
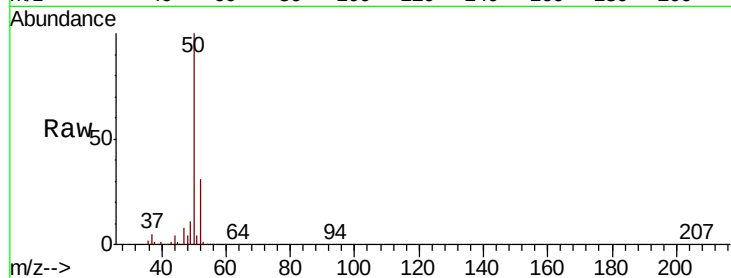
#3
Chloromethane
Concen: 21.227 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion: 50 Resp: 141480
Ion Ratio Lower Upper
50 100
52 31.5 27.2 40.8

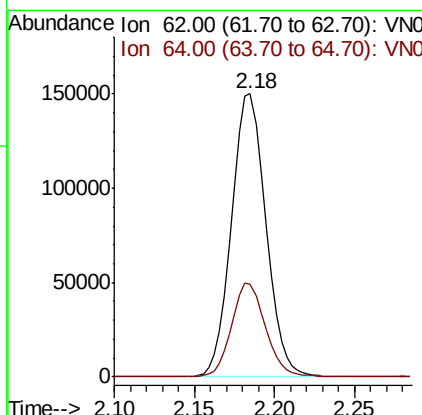
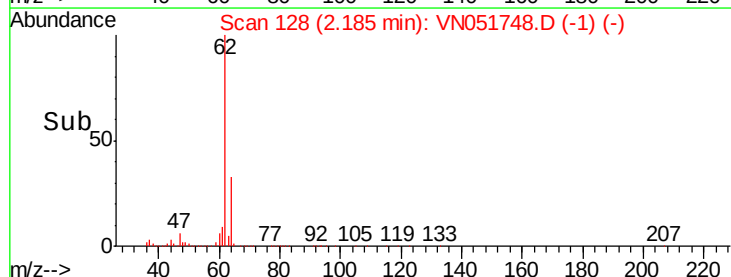
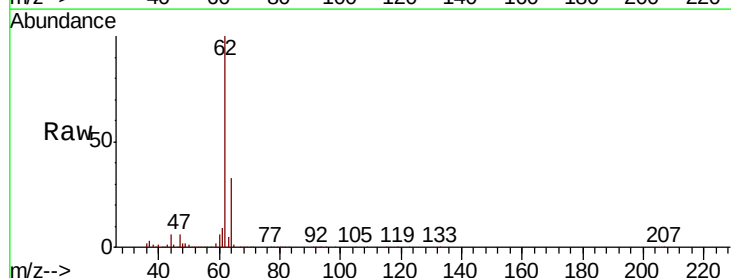
Manual Integrations
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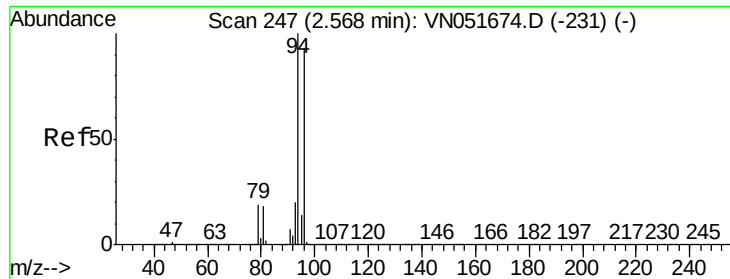
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#4
Vinyl Chloride
Concen: 21.638 ug/l
RT: 2.18 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 62 Resp: 219359
Ion Ratio Lower Upper
62 100
64 32.9 25.4 38.2





#5

Bromomethane

Concen: 21.871 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

Tot Ion: 94 Resp: 172351

Ion Ratio Lower Upper

94 100

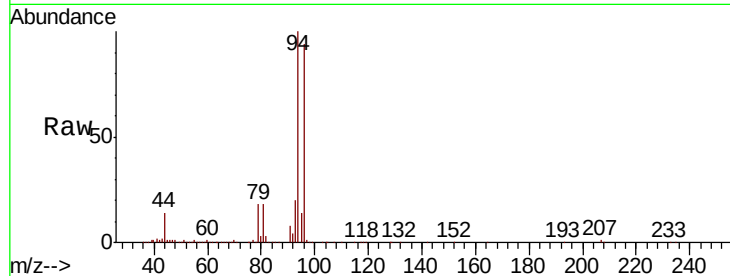
96 94.2 66.4 99.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

100000

80000

60000

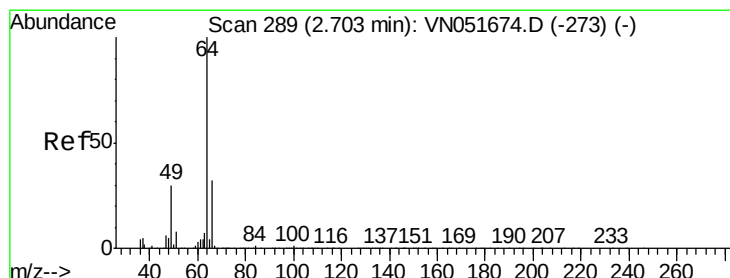
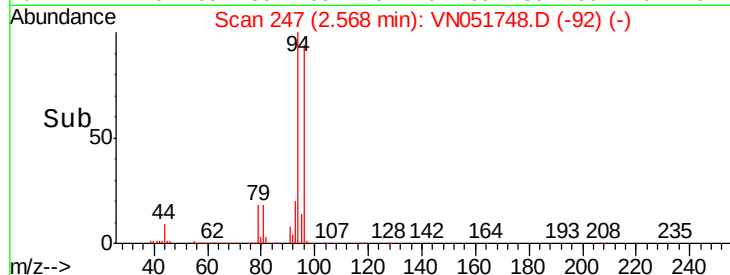
40000

20000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 22.558 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051748.D

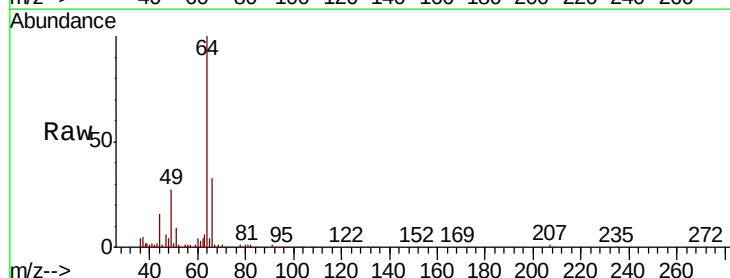
Acq: 9 Oct 2018 13:42

Tgt Ion: 64 Resp: 153282

Ion Ratio Lower Upper

64 100

66 33.2 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

80000

60000

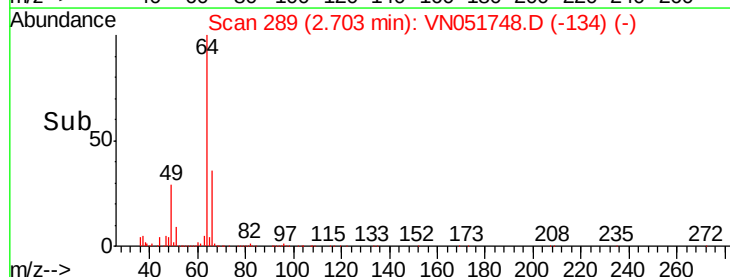
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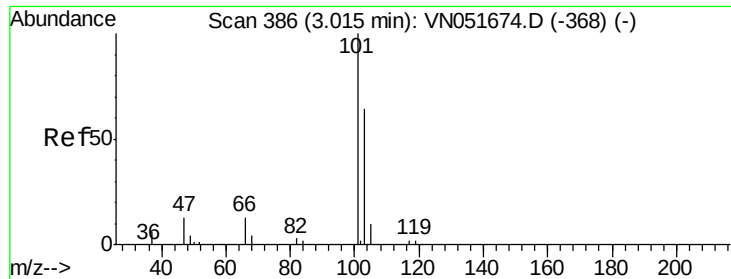
20000

0

2.60 2.65 2.70 2.75 2.80

Time-->





#7

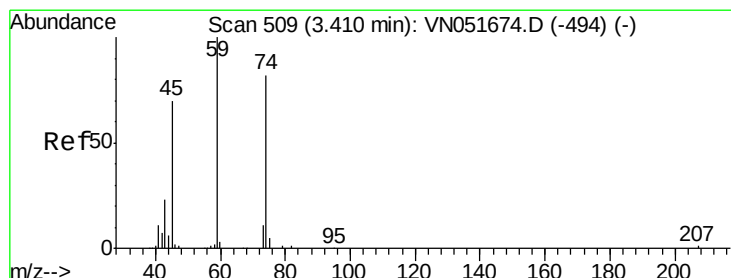
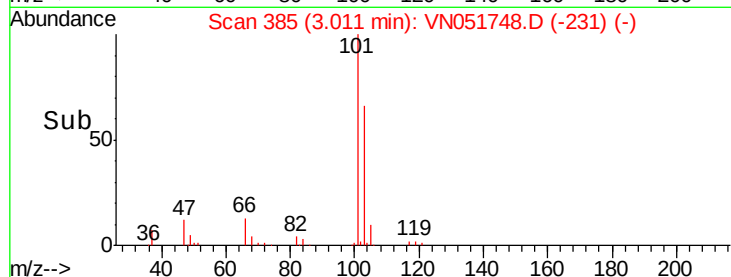
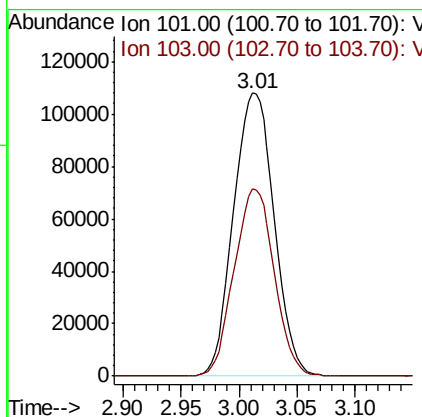
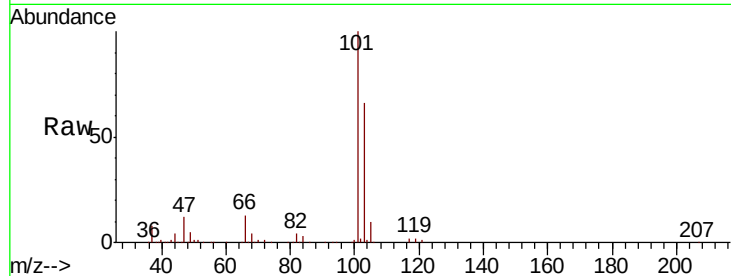
Trichlorofluoromethane
 Concen: 22.648 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	262942		
103	103	66.3	54.8	82.2	

Manual Integrations
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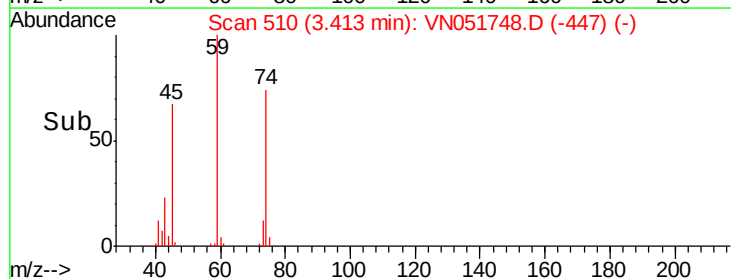
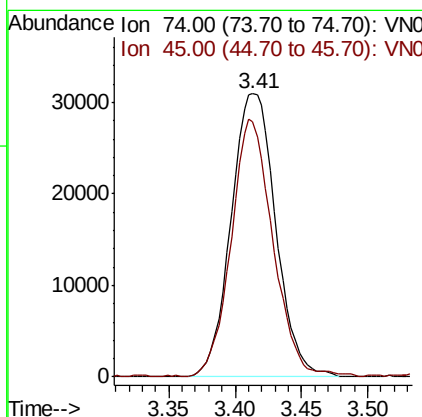
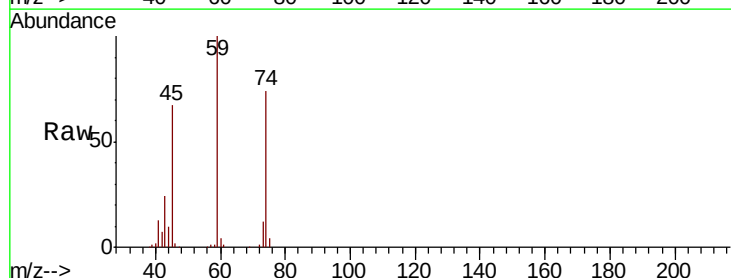
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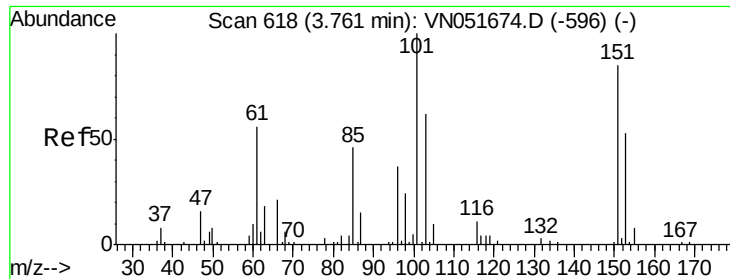


#8

Diethyl Ether
 Concen: 23.357 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	74	100	72433		
45	45	85.3	20.7	186.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.915 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

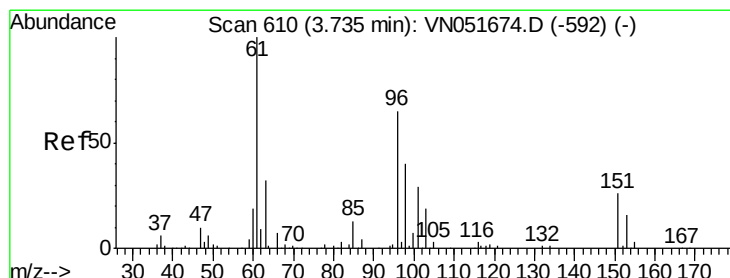
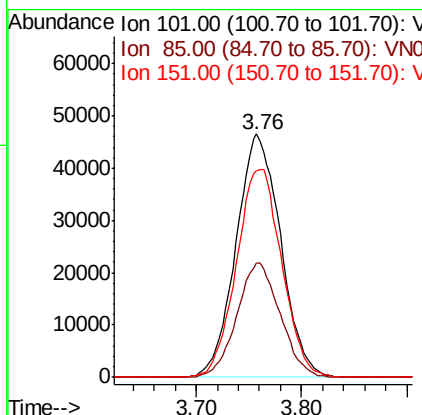
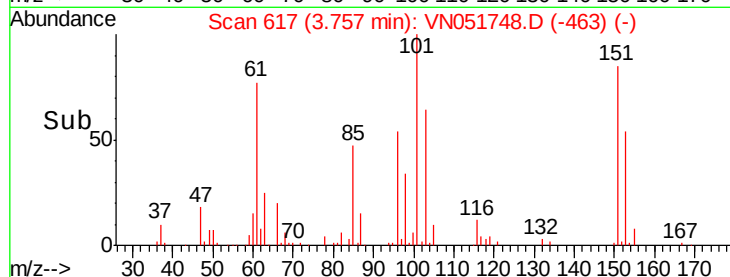
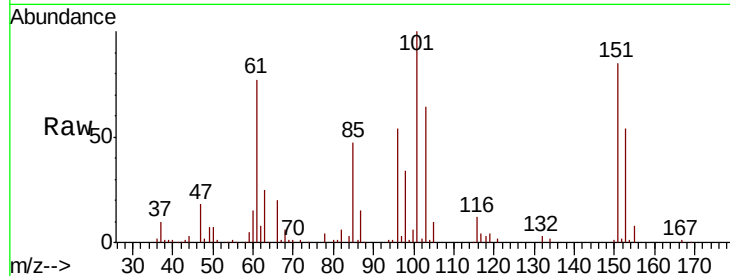
ClientSampleId :

VN1009WBSD01

Tot Ion:	101	Resp:	136432
Ion Ratio	Lower	Upper	
101	100		
85	45.8	0.0	46.0
151	87.1	0.0	82.2#

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#10

1,1-Dichloroethene

Concen: 22.671 ug/l

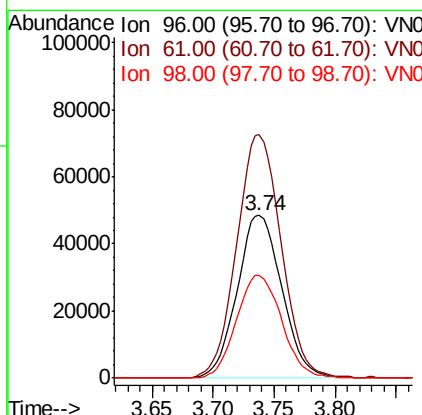
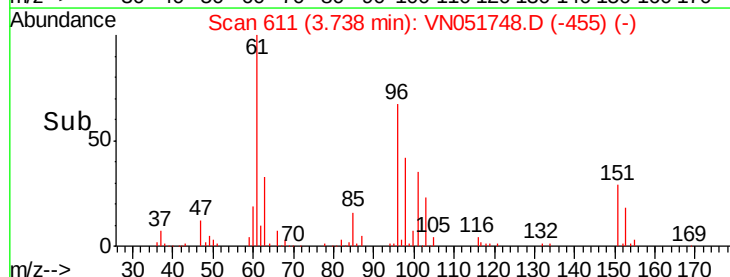
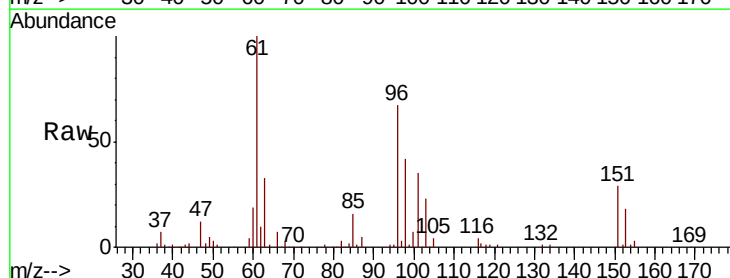
RT: 3.74 min Scan# 611

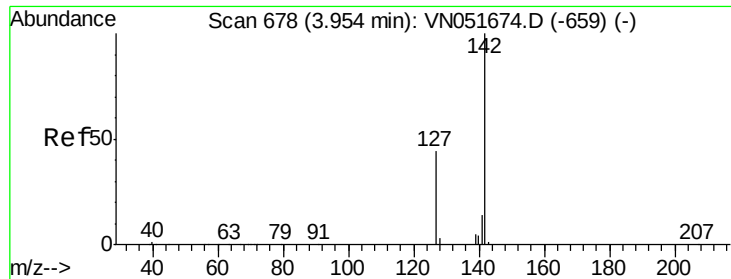
Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Tgt Ion:	96	Resp:	123179
Ion Ratio	Lower	Upper	
96	100		
61	149.6	133.0	199.6
98	63.4	52.6	78.8





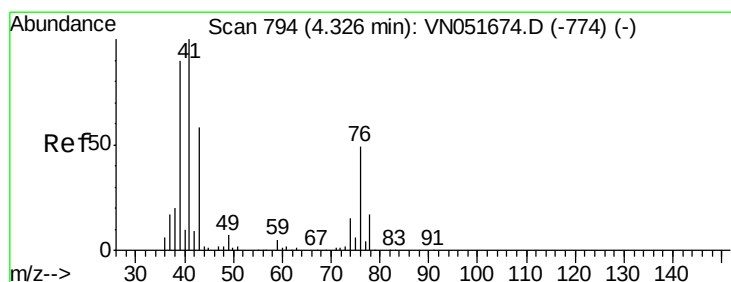
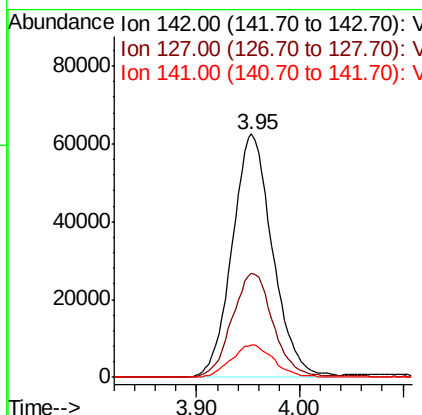
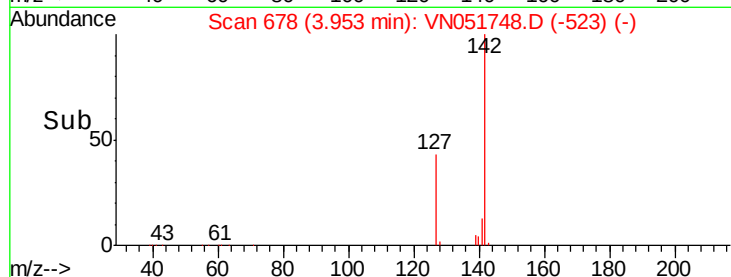
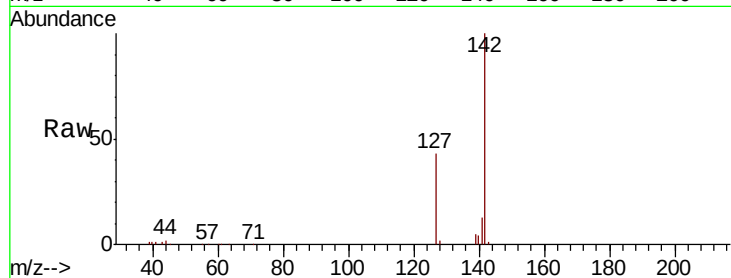
#11
Methyl Iodide
Concen: 24.402 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.5	19.7	59.0
141	13.3	6.3	18.9

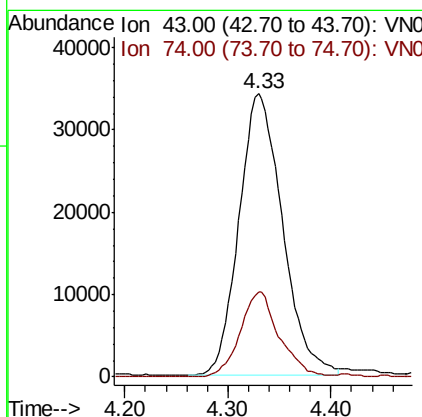
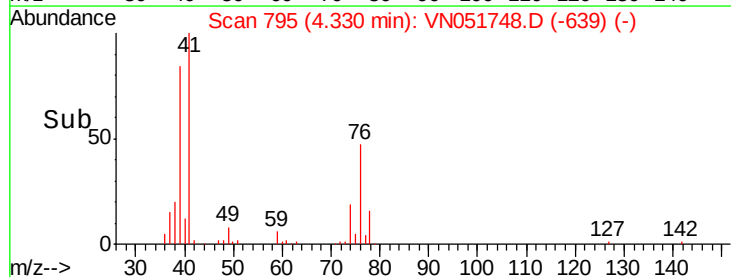
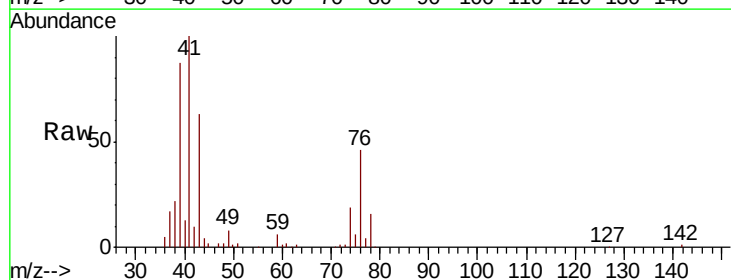
Manual Integrations
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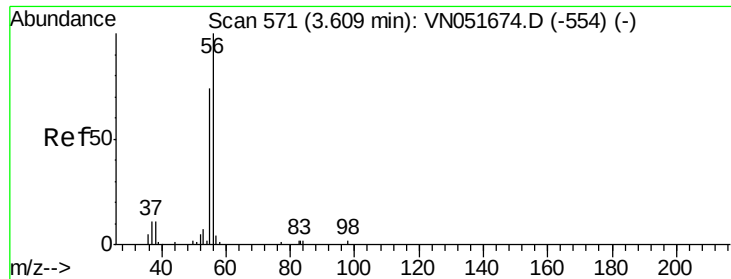
MMDadoda
10/17/2018 4:53:25 PM



#12
Methyl Acetate
Concen: 23.374 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.0	21.8	32.6





#13

Acrolein

Concen: 102.734 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

Tot Ion: 56 Resp: 32382

Ion Ratio Lower Upper

56 100

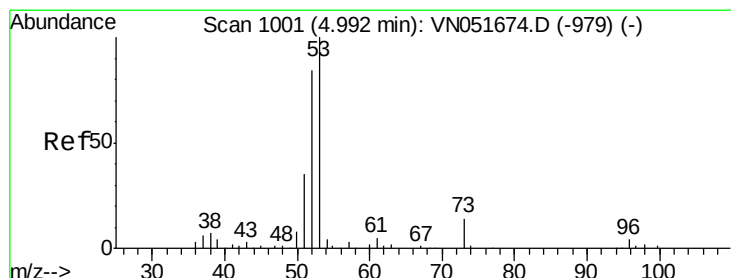
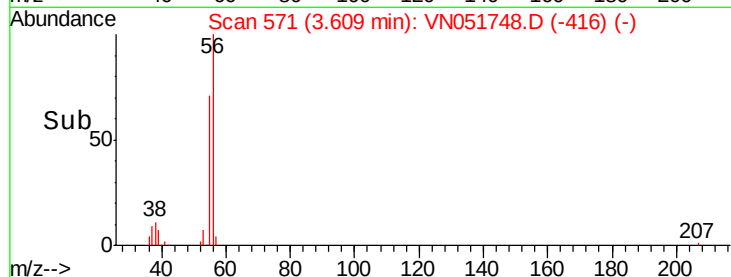
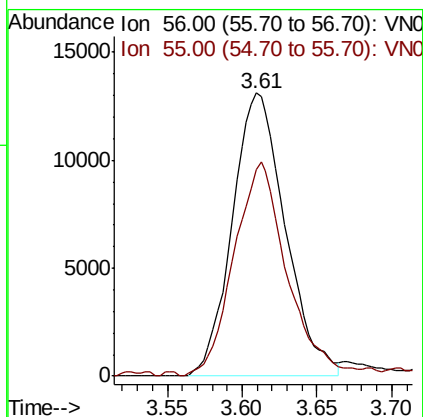
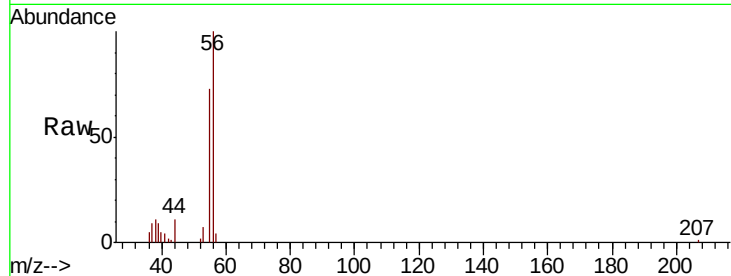
55 74.8 64.0 96.0

Manual Integrations

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MMDadoda

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#14

Acrylonitrile

Concen: 112.364 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

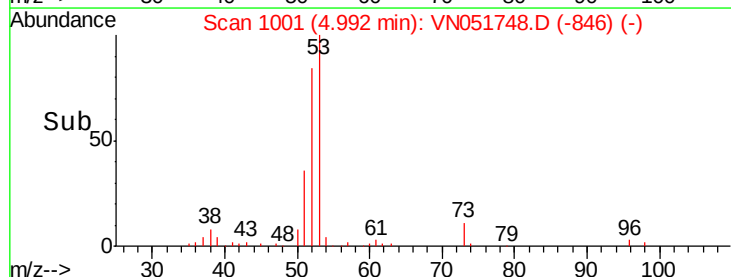
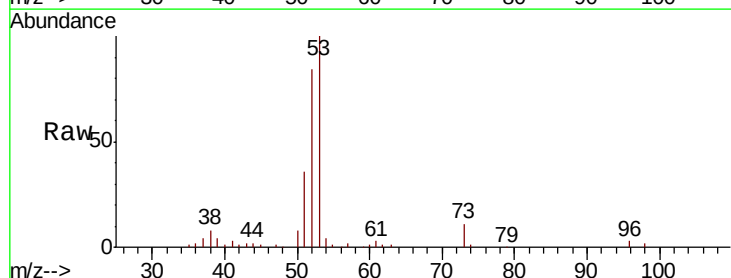
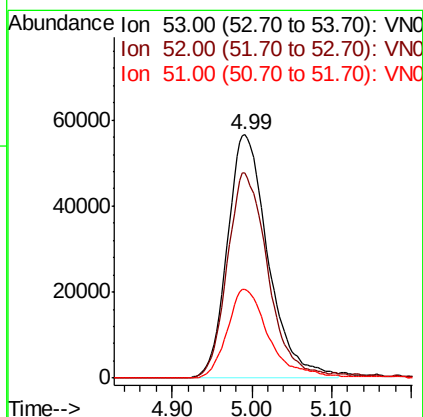
Tgt Ion: 53 Resp: 196702

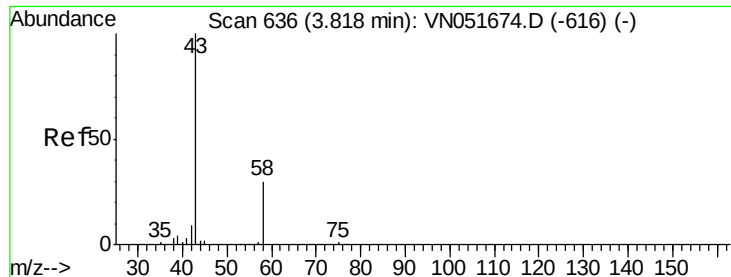
Ion Ratio Lower Upper

53 100

52 83.7 18.3 54.8#

51 37.3 19.7 59.1





#15

Acetone

Concen: 110.991 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

Tot Ion: 58 Resp: 46434

Ion Ratio Lower Upper

58 100

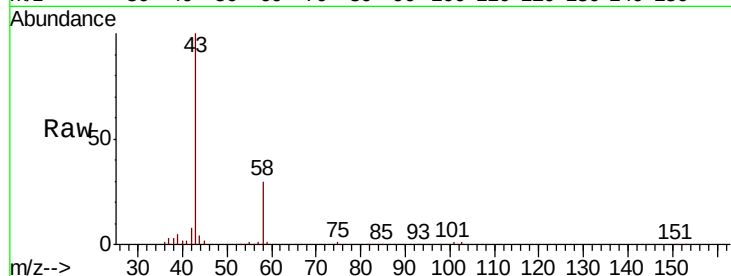
43 324.0 232.2 348.2

Manual Integrations

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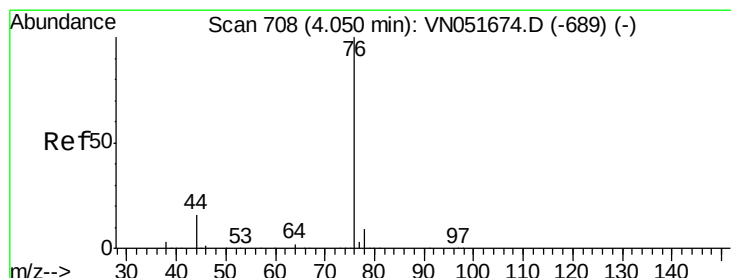
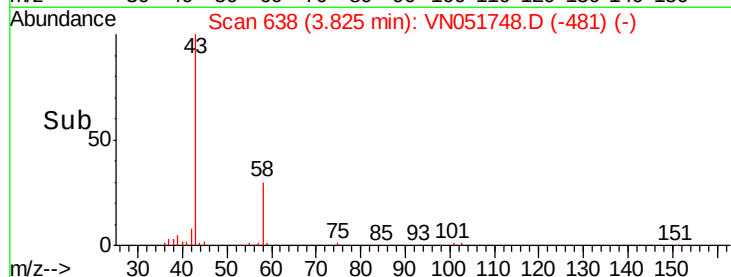
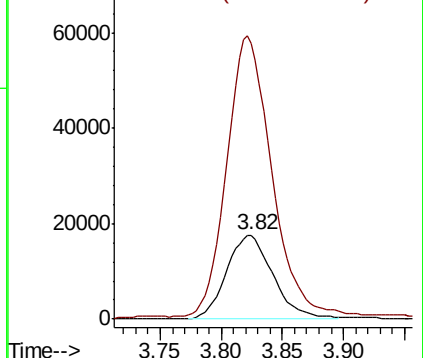
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.496 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051748.D

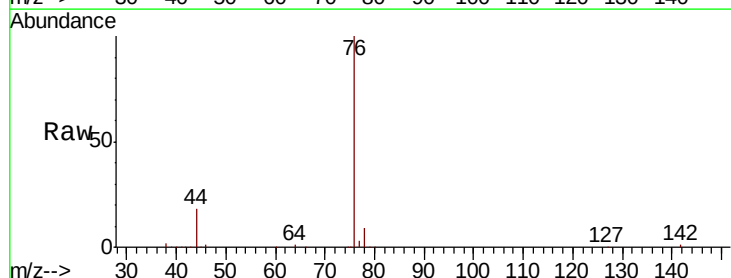
Acq: 9 Oct 2018 13:42

Tgt Ion: 76 Resp: 318528

Ion Ratio Lower Upper

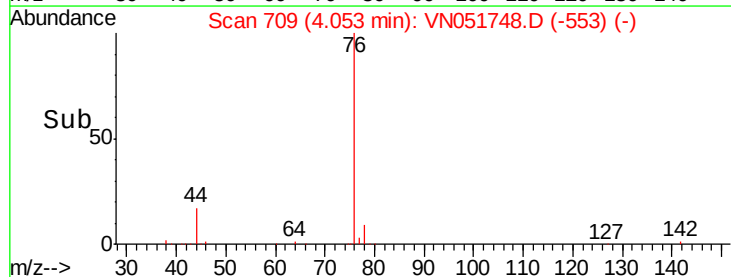
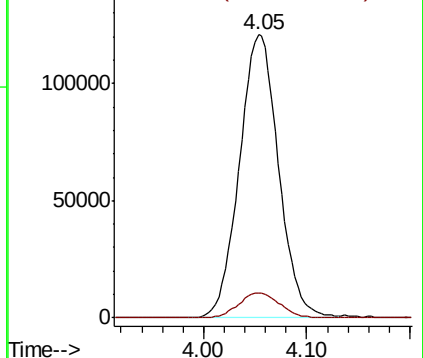
76 100

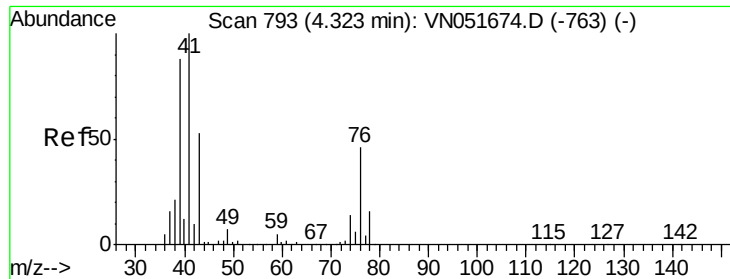
78 8.9 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





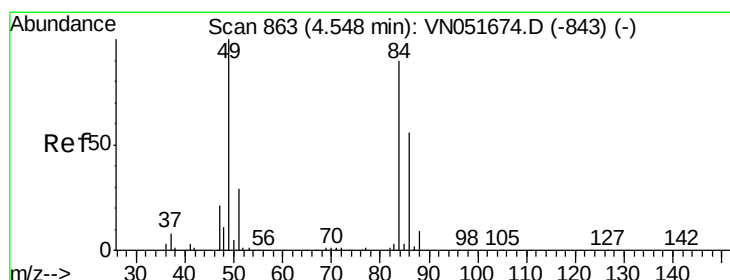
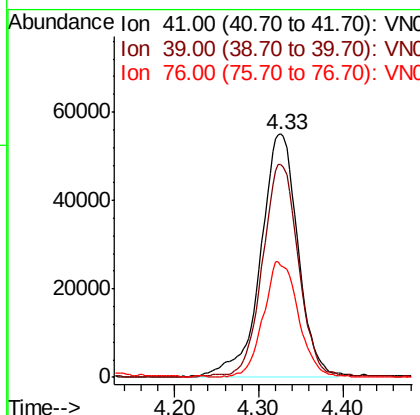
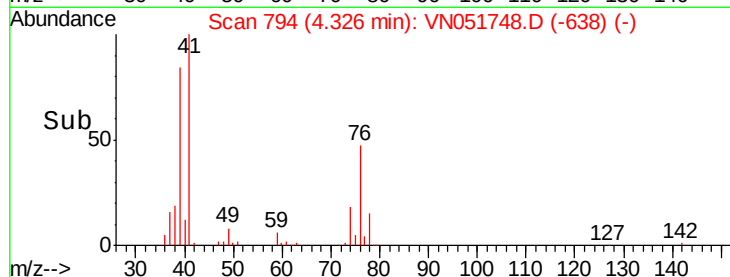
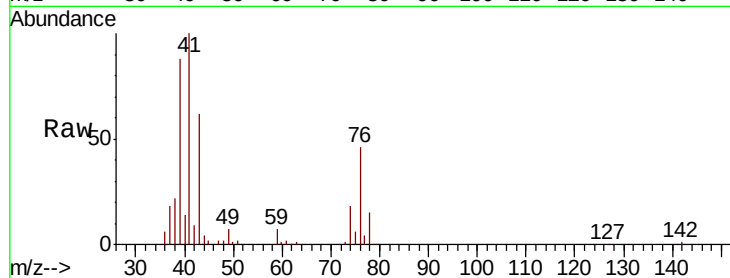
#17
Allvl chloride
Concen: 21.096 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	87.9	32.6	97.8
76	46.3	20.2	60.5

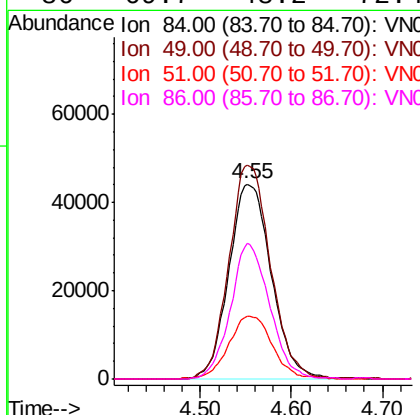
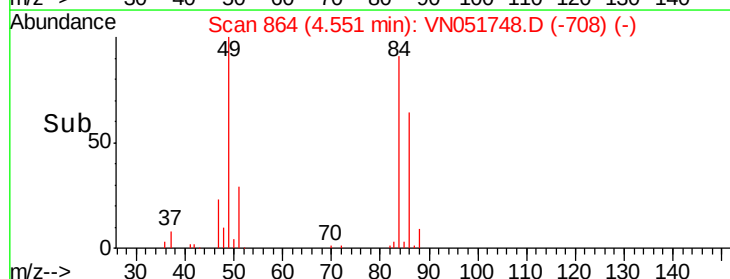
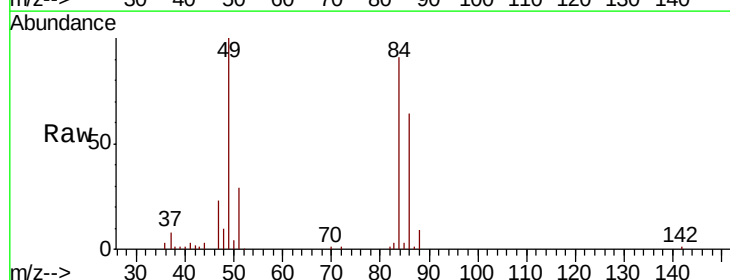
Manual Integrations
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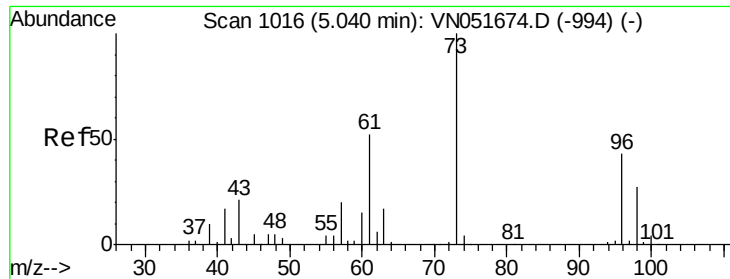
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#18
Methylene Chloride
Concen: 23.392 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.1	91.6	137.4
51	32.1	29.8	44.6
86	69.7	48.2	72.4





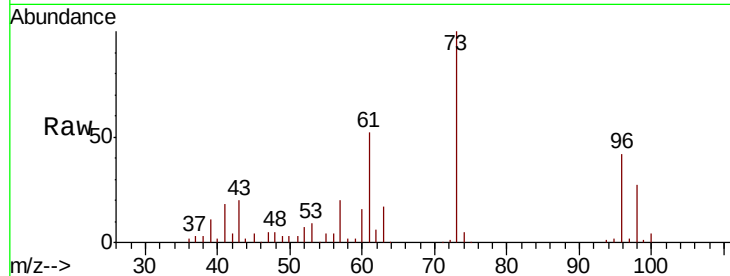
#19
trans-1,2-Dichloroethene
Concen: 22.352 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.7	112.3	168.5
98	63.5	47.1	70.7

Manual Integrations
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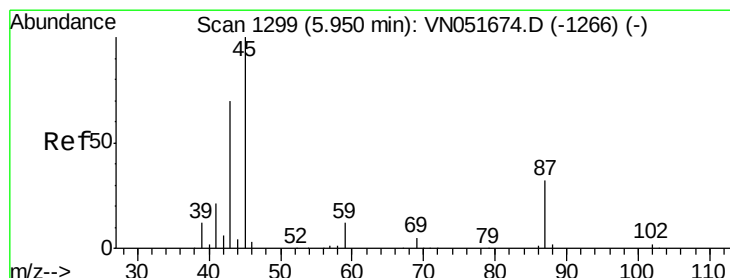
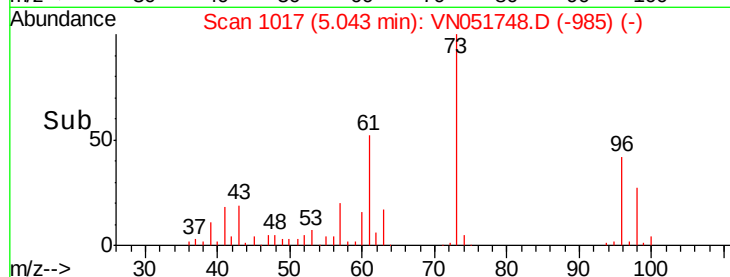
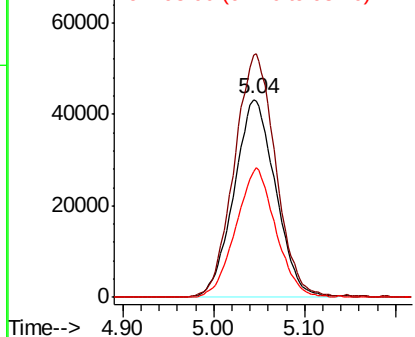


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20
Diisopropyl ether
Concen: 21.025 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.3	62.1	93.1
87	35.1	19.9	29.9
59	12.5	9.8	14.6

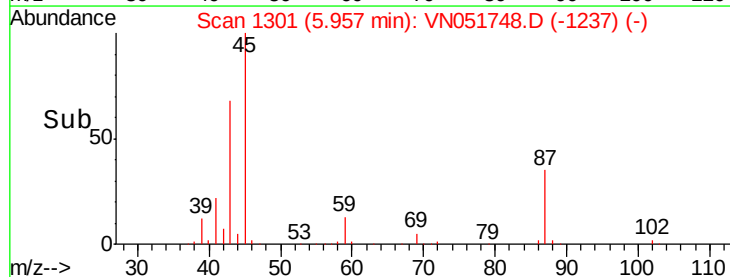
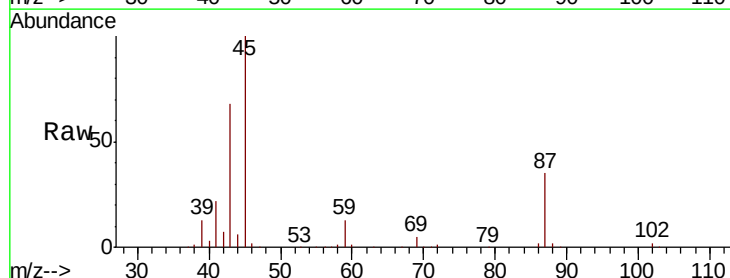
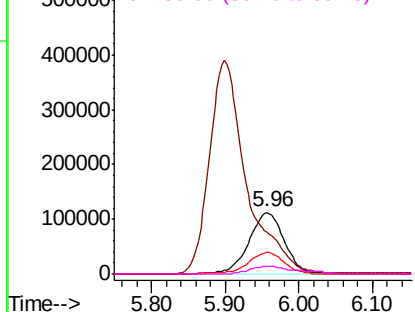
Abundance

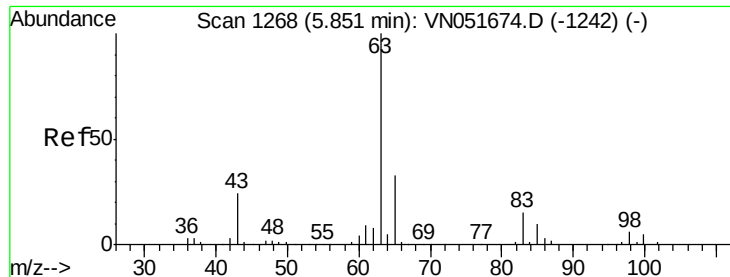
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





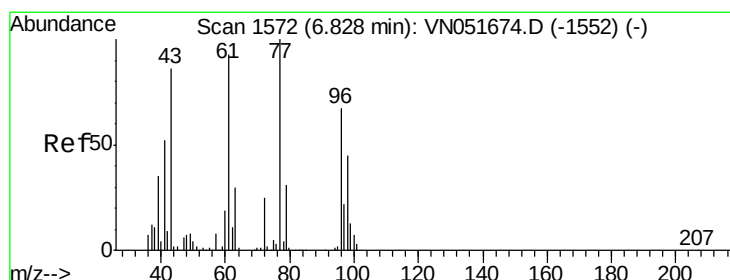
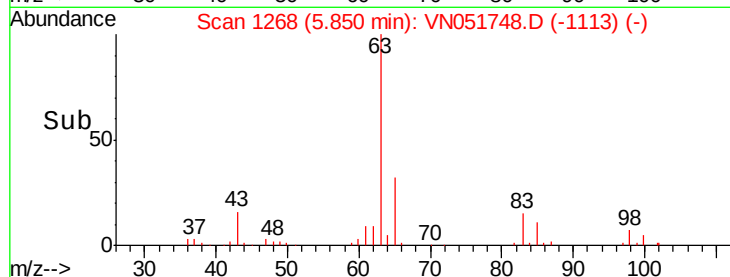
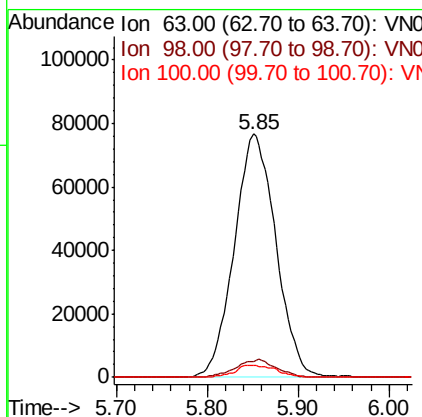
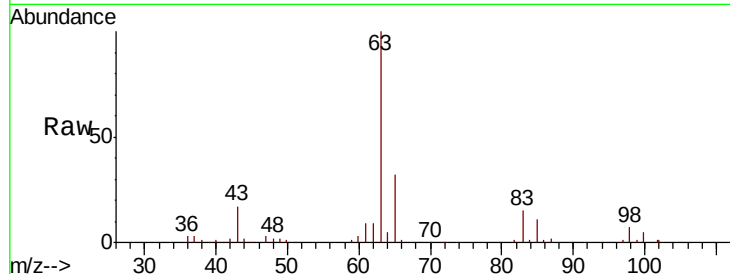
#21
 1,1-Dichloroethane
 Concen: 21.912 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.7	4.1	12.3
100	5.0	1.6	4.7

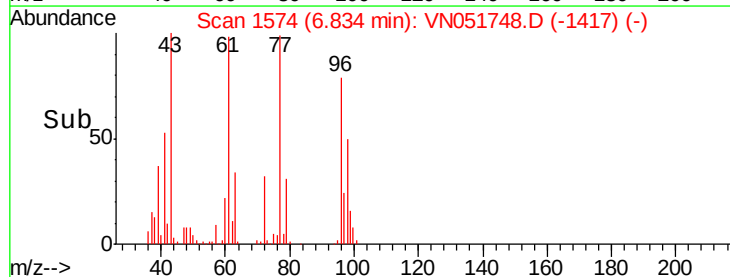
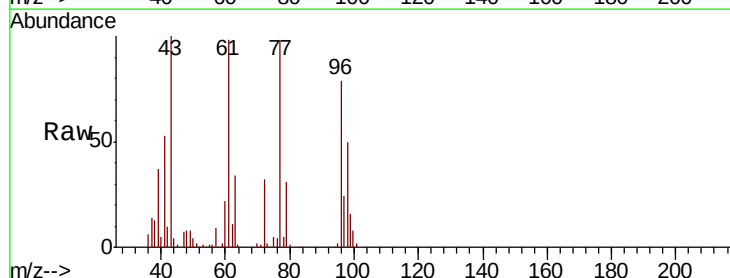
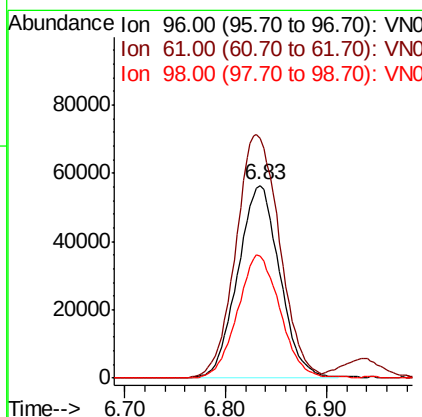
Manual Integrations
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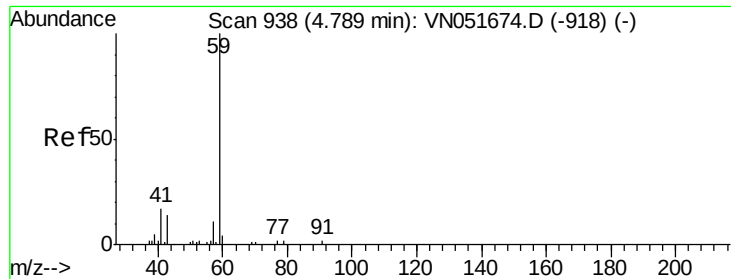
MMDadoda
 10/17/2018 4:53:25 PM



#22
 cis-1,2-Dichloroethene
 Concen: 22.486 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.4	124.5	186.7
98	64.8	51.9	77.9





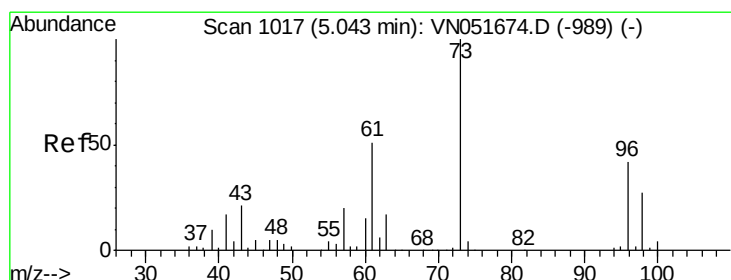
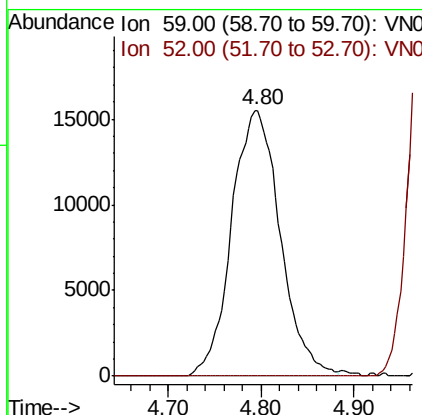
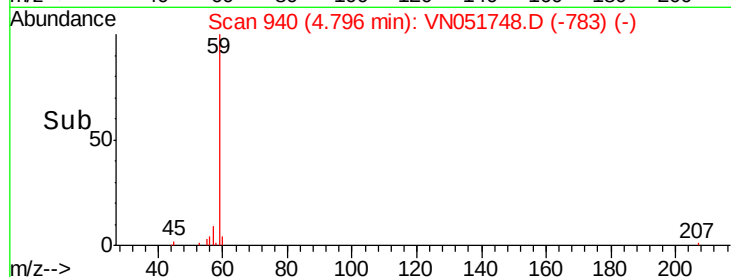
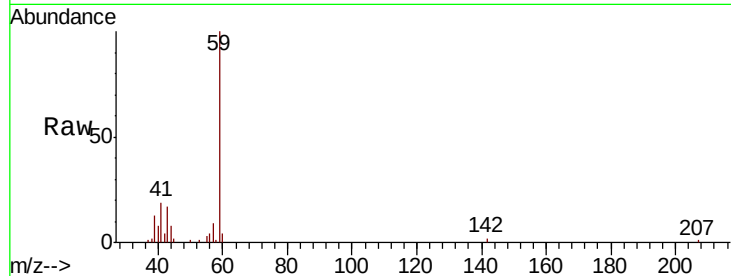
#23
tert-Butyl Alcohol
Concen: 124.883 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

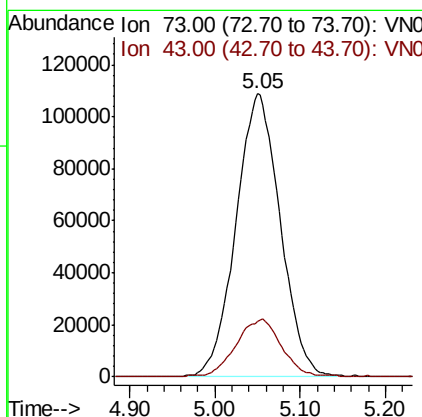
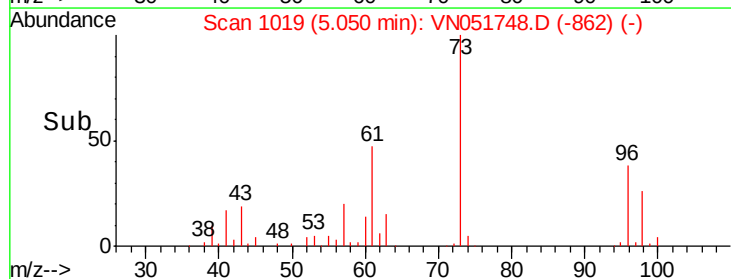
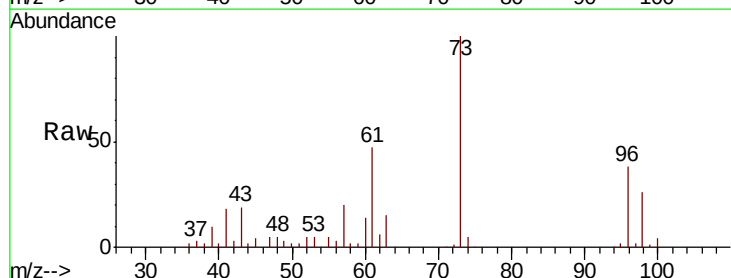
Manual Integrations
APPROVED

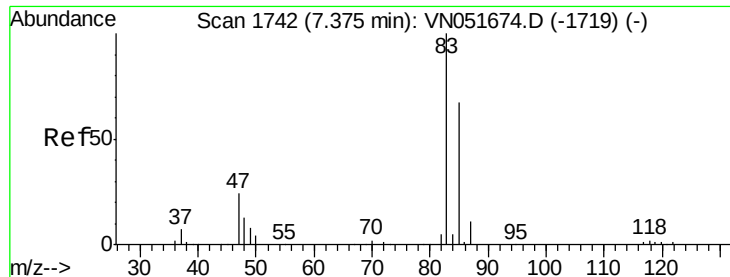
MMDadoda
10/17/2018 4:53:25 PM



#24
Methyl tert-Butyl Ether
Concen: 22.487 ug/l m
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
73	100		
43	0.0	5.4	8.0#





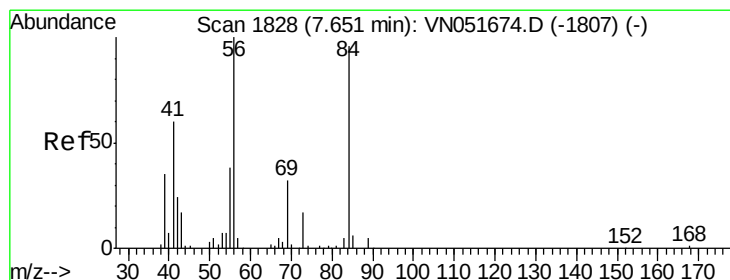
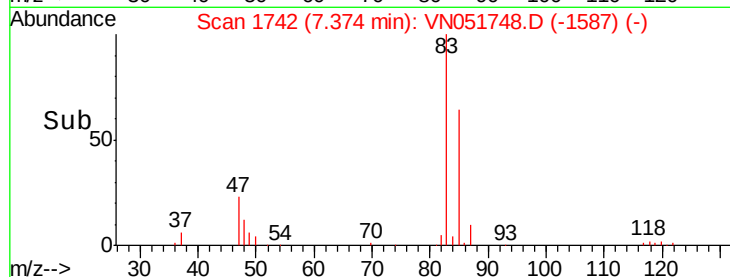
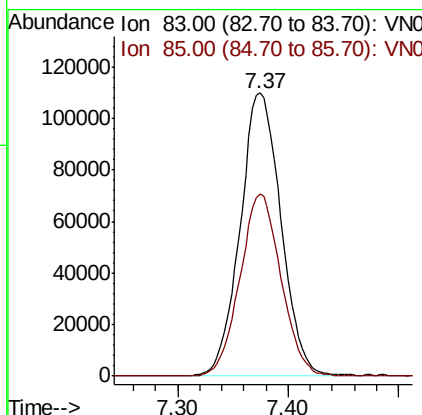
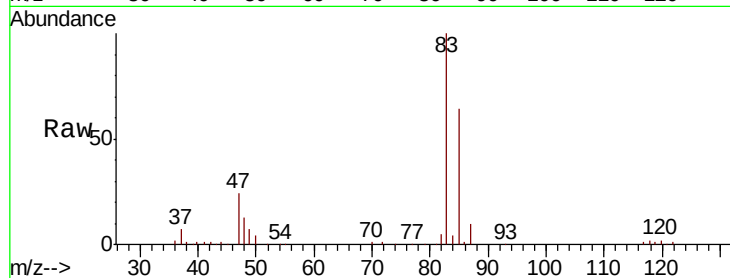
#25
Chloroform
Concen: 22.444 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	83	Resp	281893
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	54.6	82.0

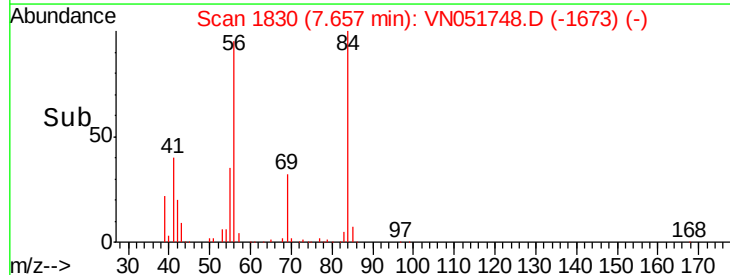
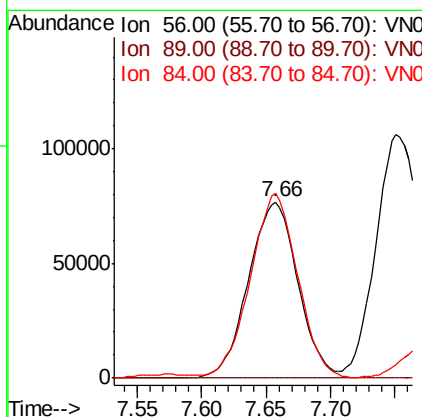
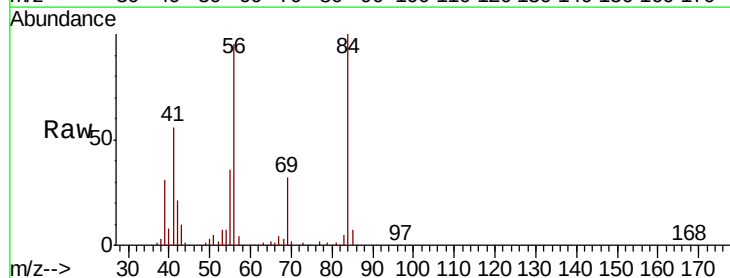
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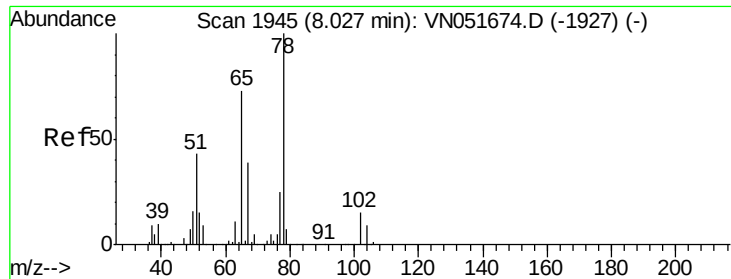
MMDadoda
10/17/2018 4:53:25 PM



#26
Cyclohexane
Concen: 21.703 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	56	Resp	204853
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	1.5	2.3#
84	101.0	64.2	96.4#





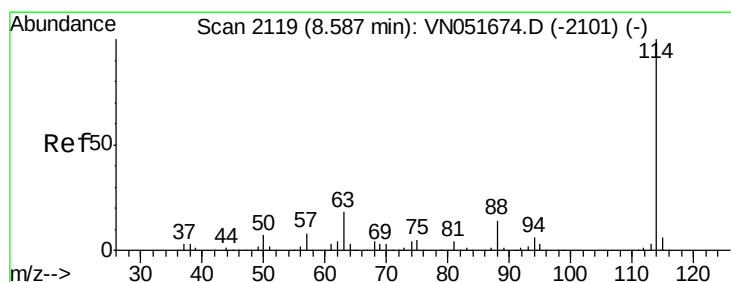
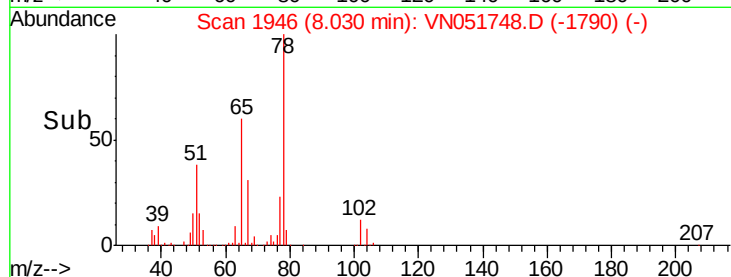
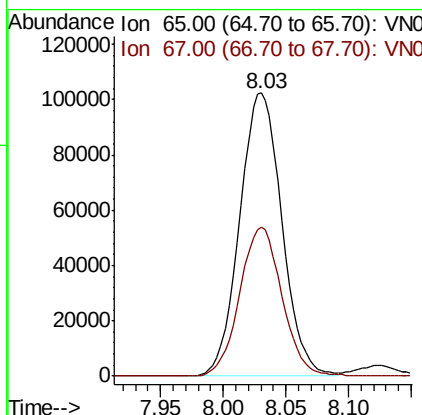
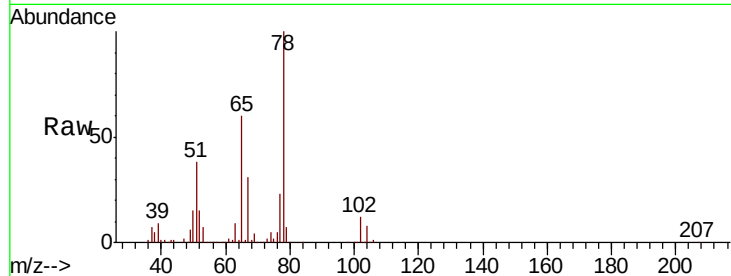
#27
 1,2-Dichloroethane-d4
 Concen: 21.703 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Tot Ion: 65 Resp: 239607
 Ion Ratio Lower Upper
 65 100
 67 52.7 41.8 62.8

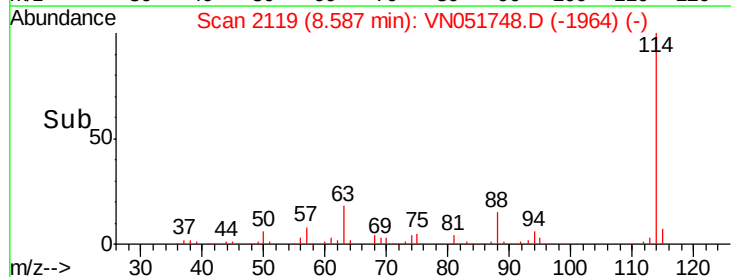
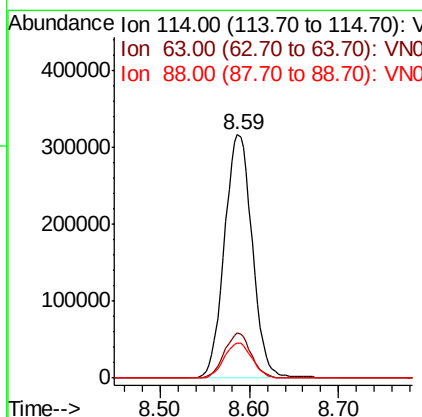
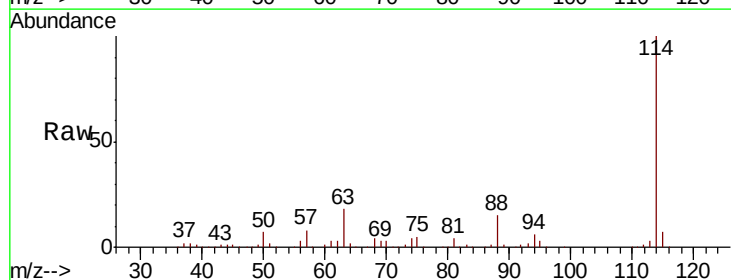
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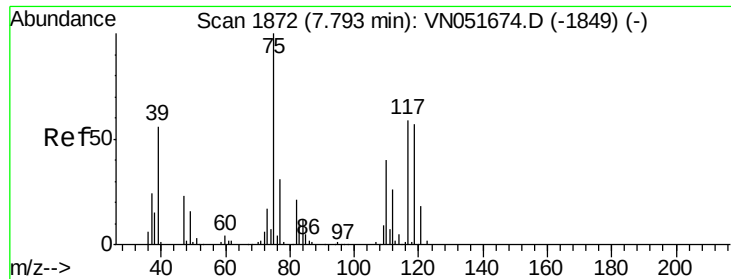
MMDadoda
 10/17/2018 4:53:25 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion: 114 Resp: 682159
 Ion Ratio Lower Upper
 114 100
 63 17.8 16.2 24.2
 88 14.6 12.2 18.4





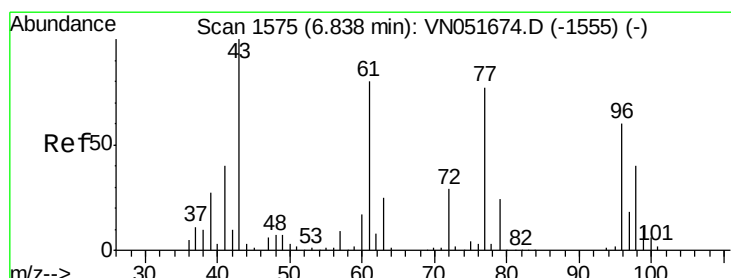
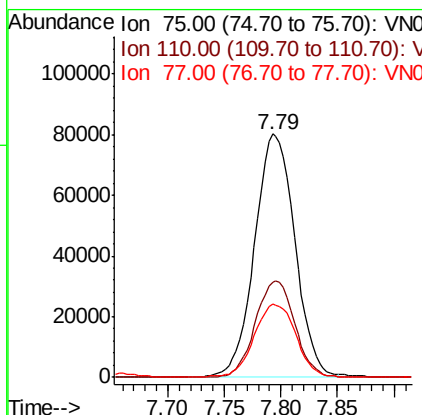
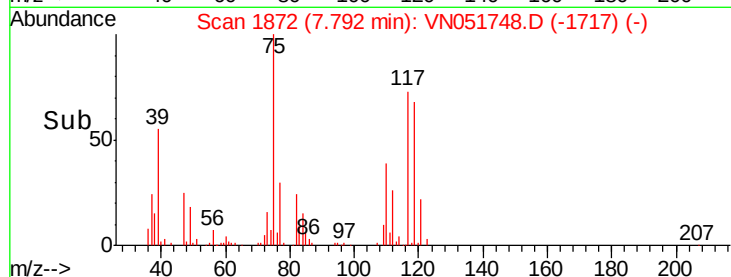
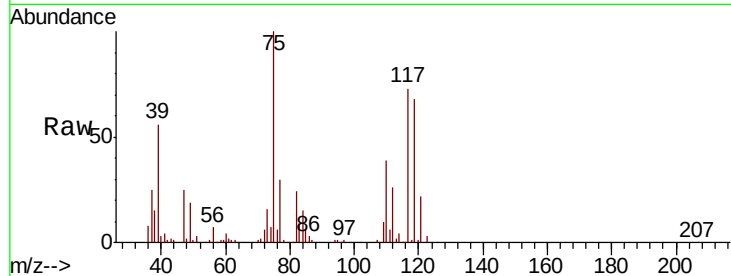
#29
 1,1-Dichloropropene
 Concen: 21.890 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.8	0.0	70.8
77	31.1	0.0	61.6

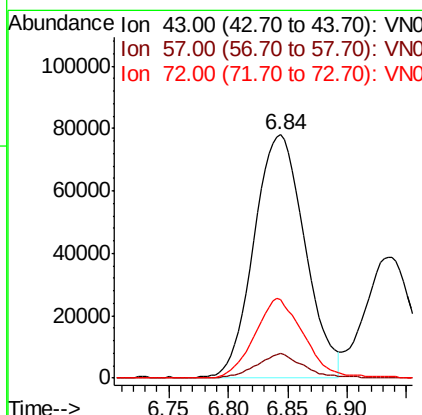
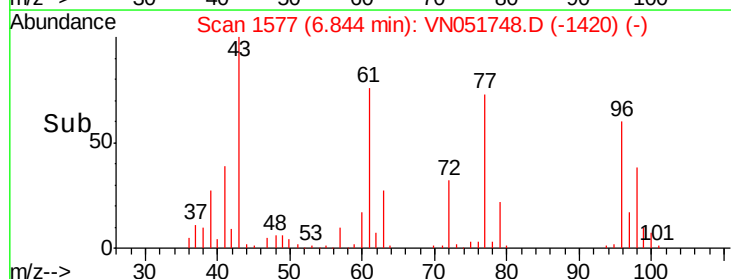
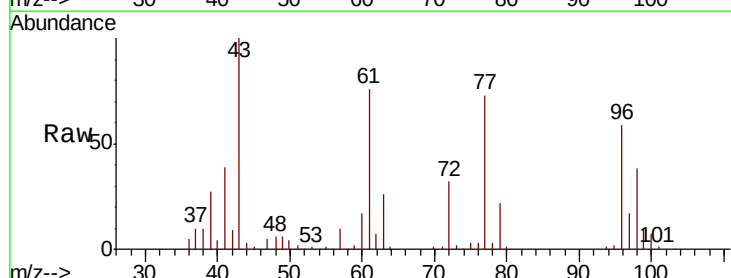
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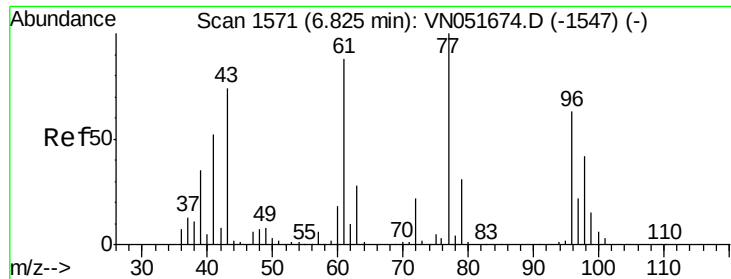
MMDadoda
 10/17/2018 4:53:25 PM



#30
 2-Butanone
 Concen: 104.165 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.2	4.5	6.7#
72	31.2	21.5	32.3





#31

2,2-Dichloropropane

Concen: 20.848 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

Tot Ion: 77 Resp: 235478

Ion Ratio Lower Upper

77 100

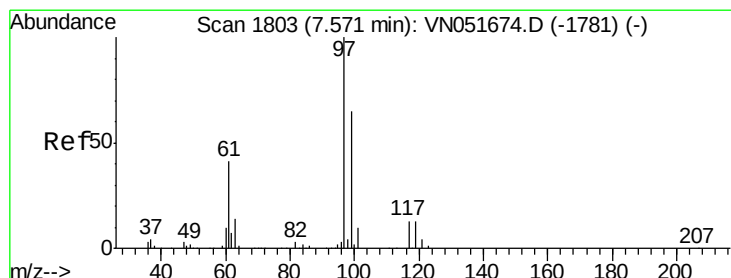
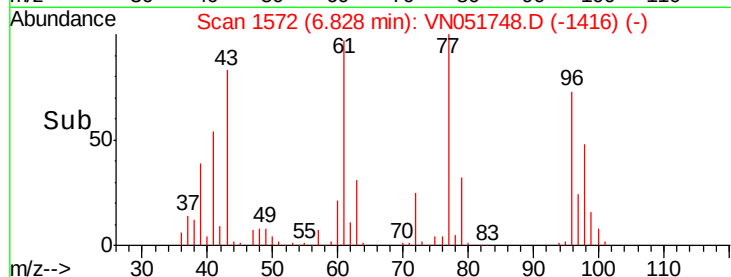
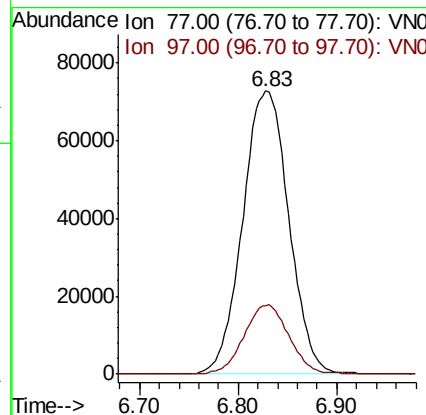
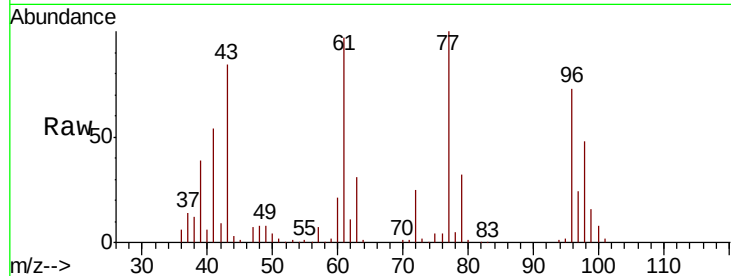
97 23.7 12.0 18.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.787 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

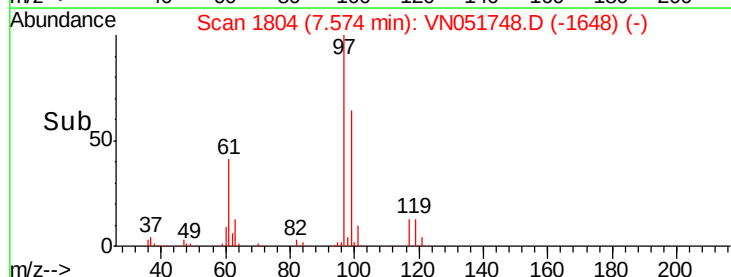
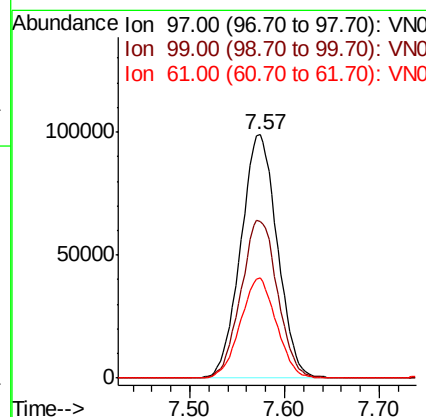
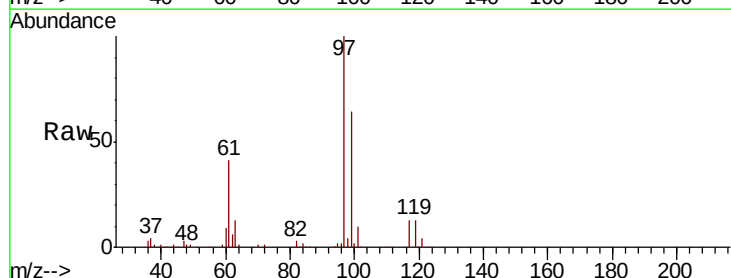
Tgt Ion: 97 Resp: 265631

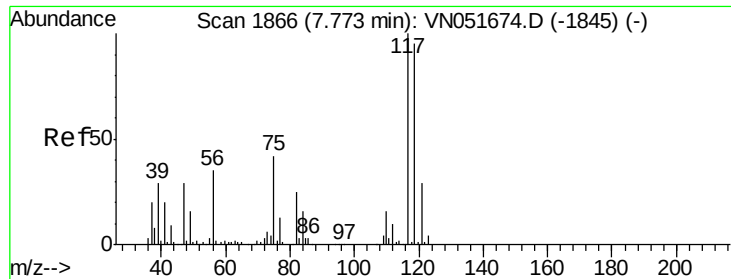
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 40.5 37.4 56.0





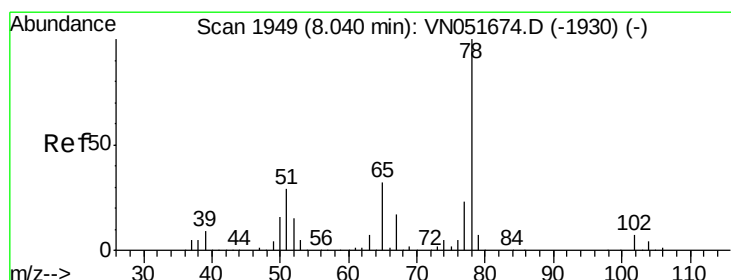
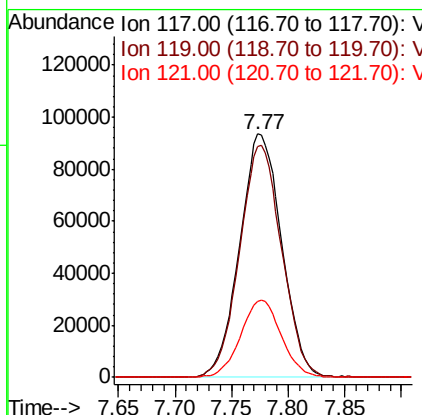
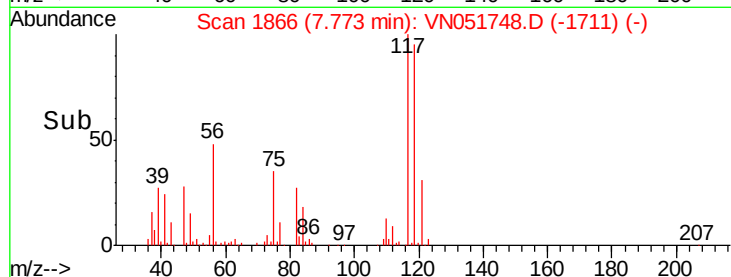
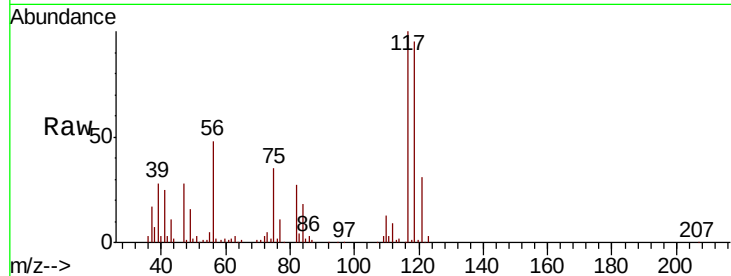
#33
Carbon Tetrachloride
Concen: 21.810 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.6	85.1	127.7
121	31.4	24.2	36.2

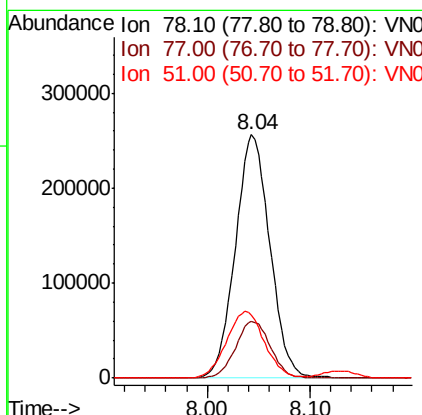
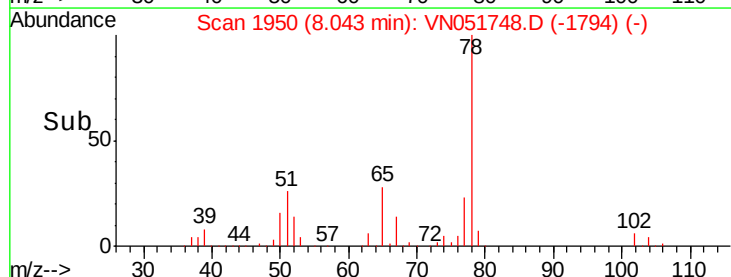
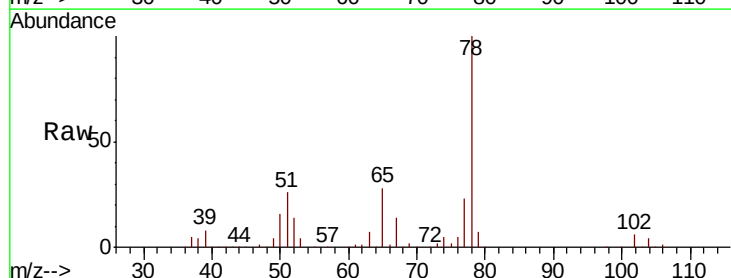
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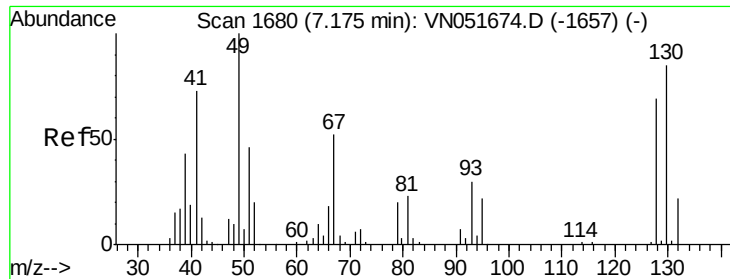
MMDadoda
10/17/2018 4:53:25 PM



#34
Benzene
Concen: 21.758 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2
51	25.8	46.2	69.4#





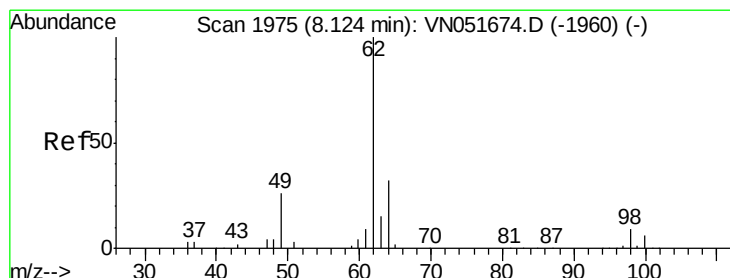
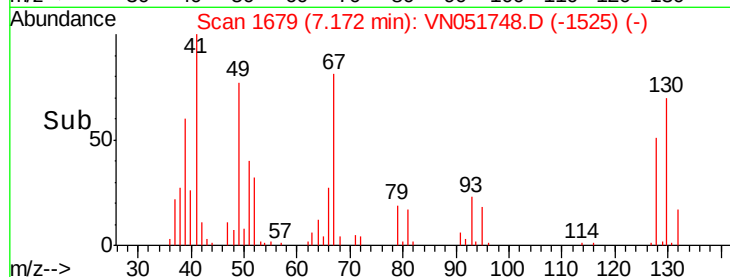
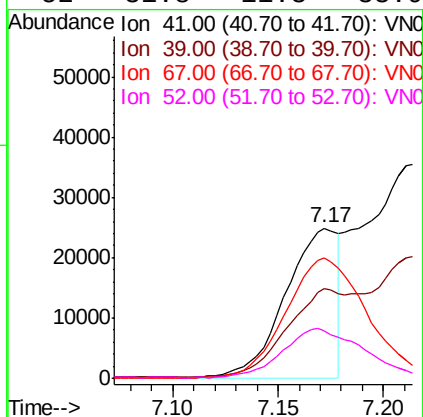
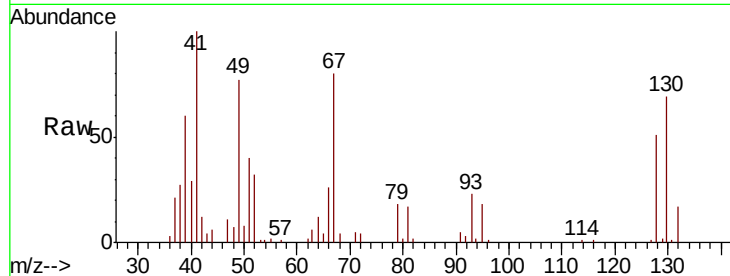
#35
Methacrylonitrile
Concen: 17.807 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion:	41	Resp:	43392
Ion	Ratio	Lower	Upper
41	100		
39	58.7	22.6	67.7
67	80.3	28.9	86.8
52	31.8	11.3	33.9

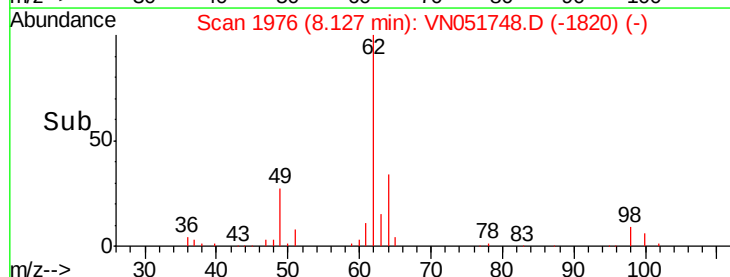
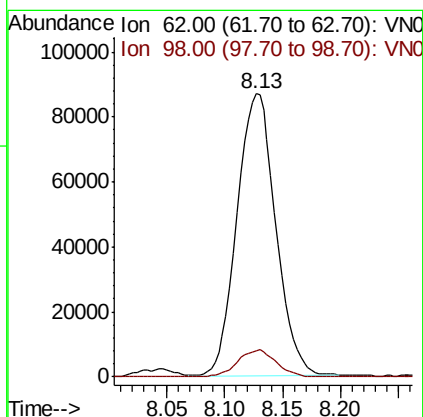
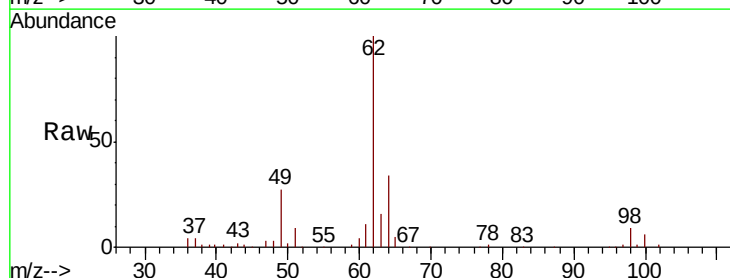
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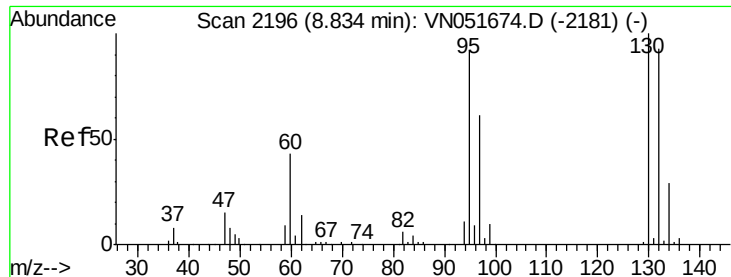
MMDadoda
10/17/2018 4:53:25 PM



#36
1,2-Dichloroethane
Concen: 21.960 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion:	62	Resp:	201577
Ion	Ratio	Lower	Upper
62	100		
98	9.4	6.9	10.3





#37

Trichloroethene

Concen: 22.271 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

Tot Ion:130 Resp: 169843

Ion Ratio Lower Upper

130 100

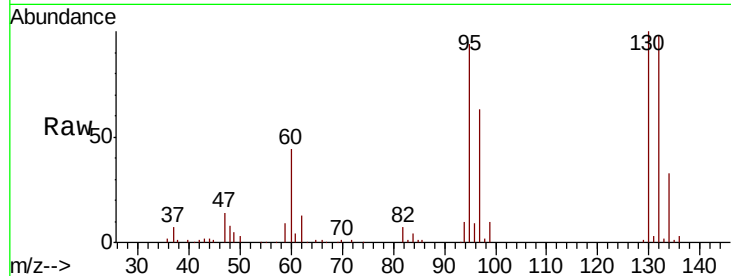
95 94.2 76.4 114.6

Manual Integrations

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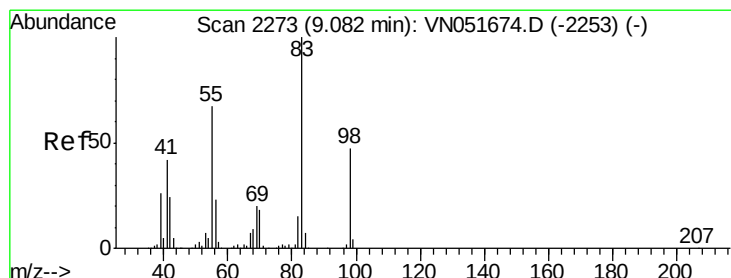
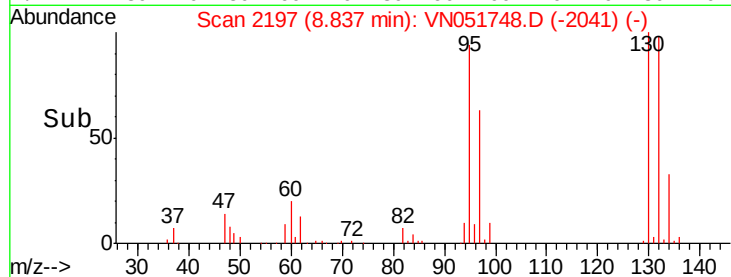
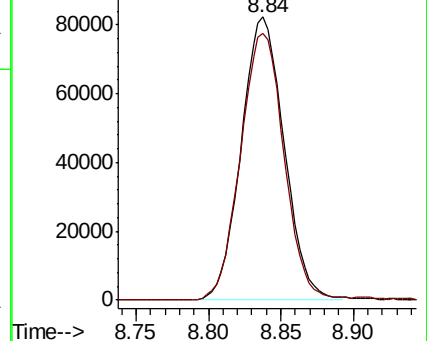
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 21.891 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

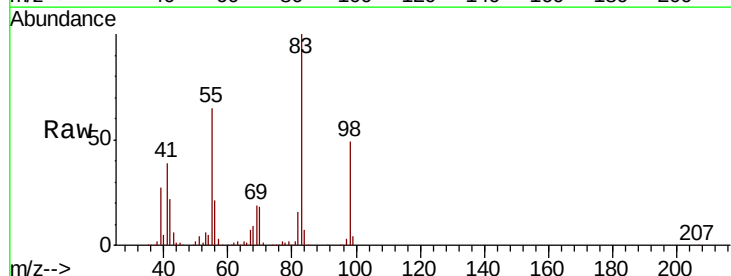
Tgt Ion: 83 Resp: 251335

Ion Ratio Lower Upper

83 100

55 65.6 43.0 129.2

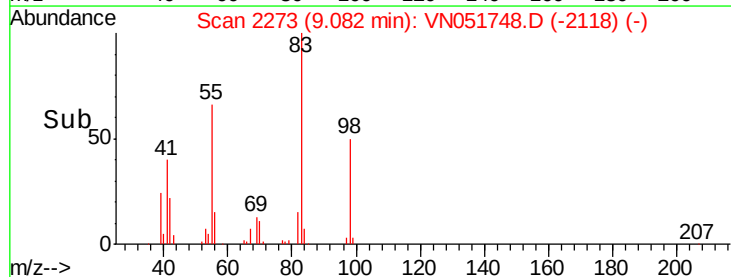
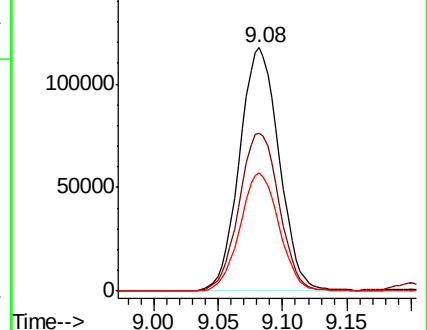
98 48.0 21.3 63.7

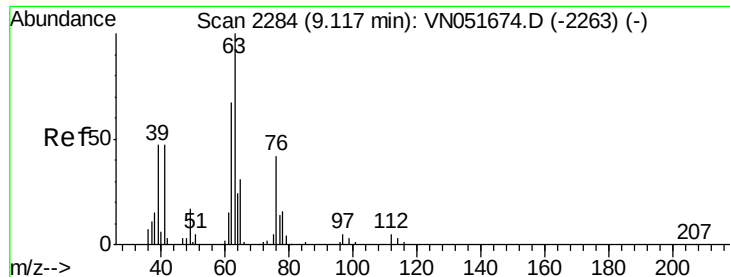


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 21.926 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

Tot Ion: 63 Resp: 147290

Ion Ratio Lower Upper

63 100

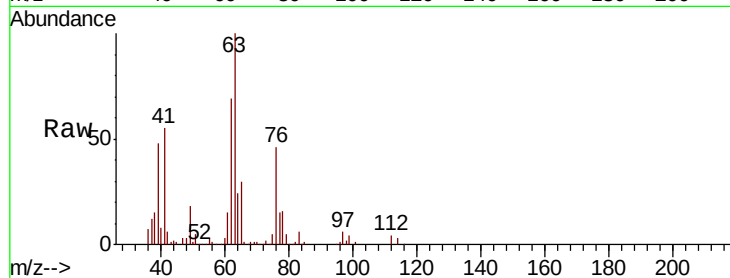
65 30.0 23.2 34.8

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Abundance Ion 63.00 (62.70 to 63.70): VN051748.D (-2129) (-)

Ion 65.00 (64.70 to 65.70): VN051748.D (-2129) (-)

9.12

80000

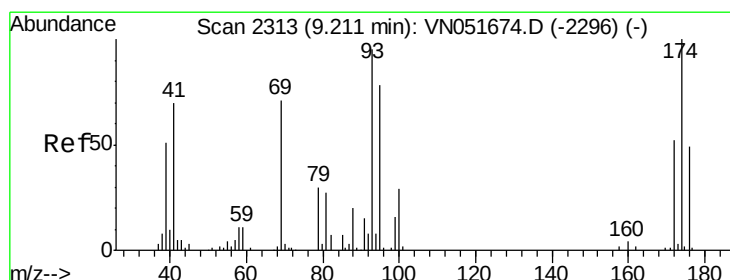
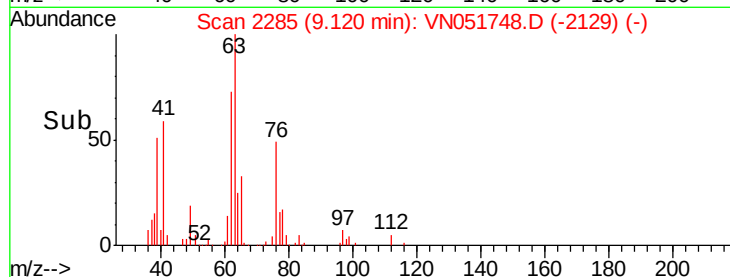
60000

40000

20000

0

Time--> 9.00 9.05 9.10 9.15 9.20



#40

Dibromomethane

Concen: 22.346 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

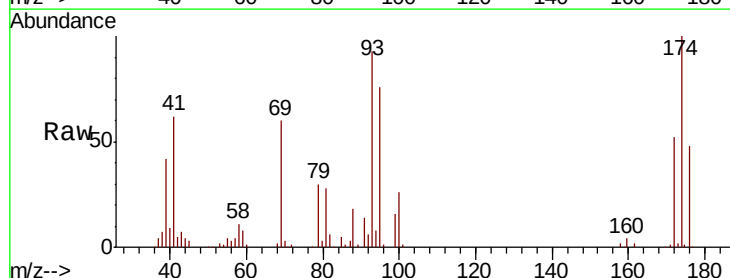
Tgt Ion: 93 Resp: 103849

Ion Ratio Lower Upper

93 100

95 83.2 0.0 162.0

174 110.5 0.0 214.0



Abundance Ion 93.00 (92.70 to 93.70): VN051748.D (-2158) (-)

Ion 95.00 (94.70 to 95.70): VN051748.D (-2158) (-)

Ion 174.00 (173.70 to 174.70): VN051748.D (-2158) (-)

9.21

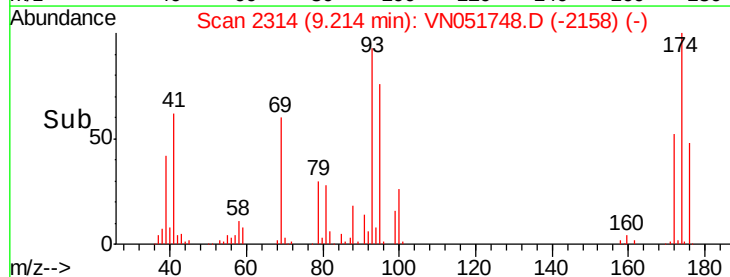
60000

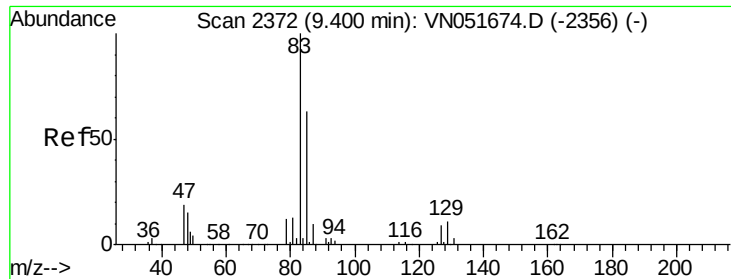
40000

20000

0

Time--> 9.15 9.20 9.25 9.30





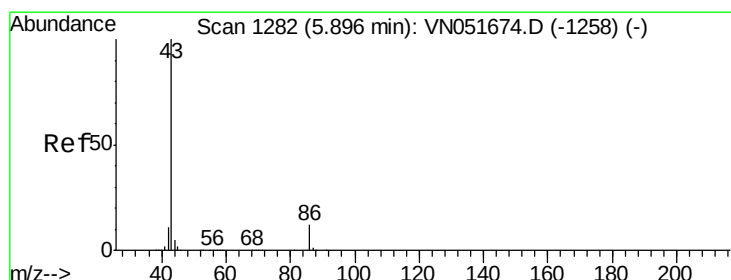
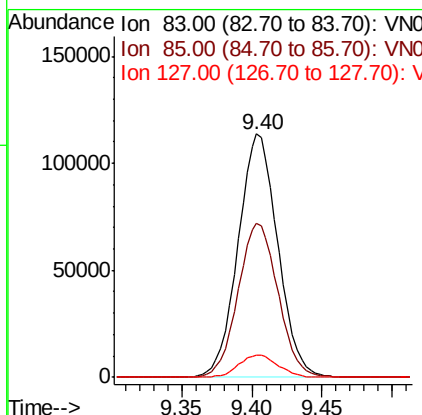
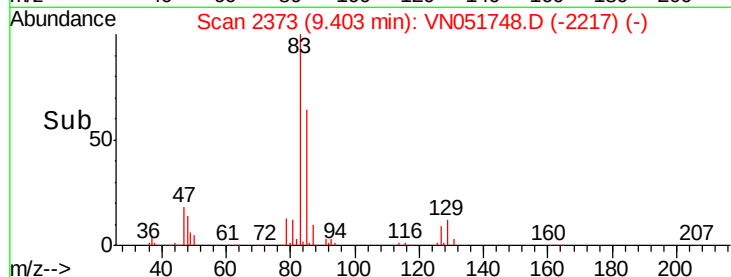
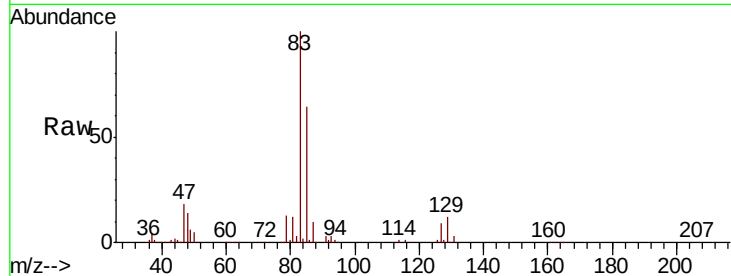
#41
Bromodichloromethane
Concen: 21.566 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	83	Resp	223660
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	55.7	83.5
127	9.3	8.2	12.4

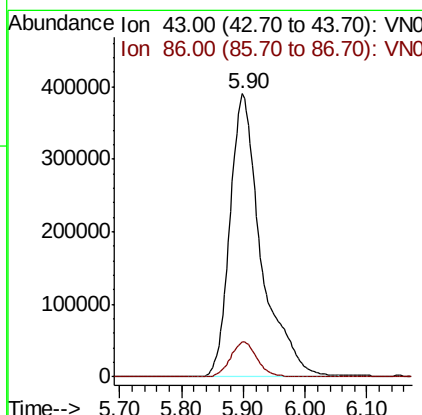
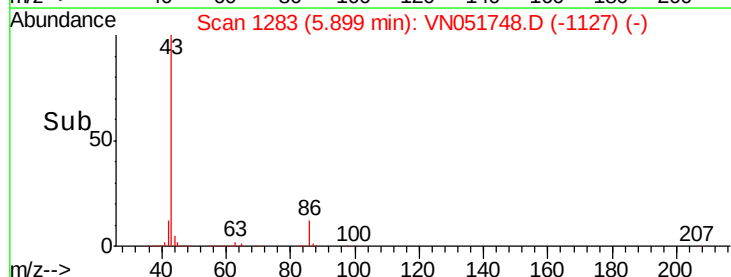
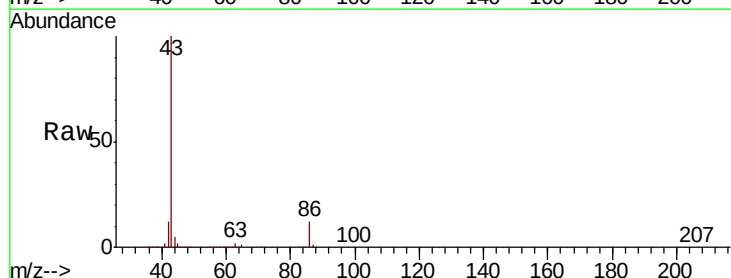
Manual Integrations
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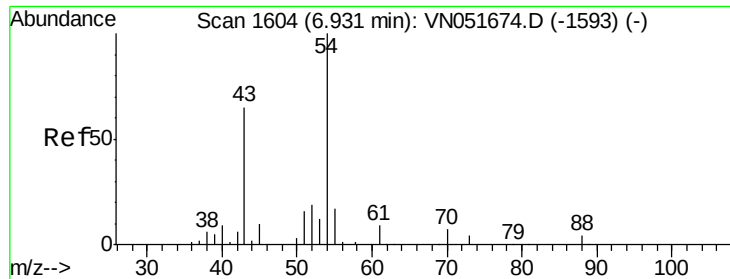
MMDadoda
10/17/2018 4:53:25 PM



#42
Vinyl Acetate
Concen: 105.244 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	43	Resp	1369275
Ion Ratio	100	Lower	Upper
43	100		
86	10.5	6.5	9.7#





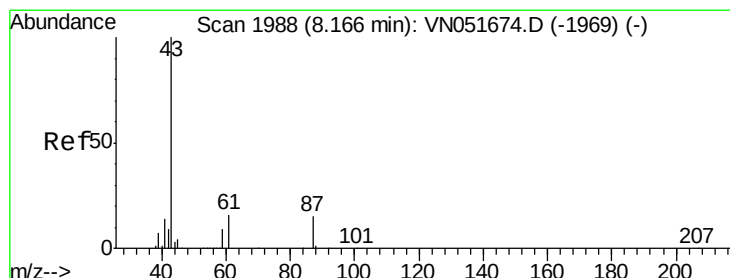
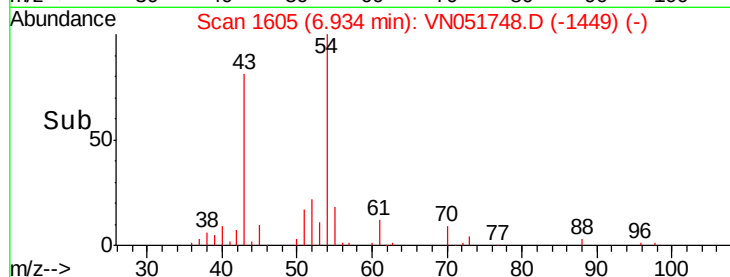
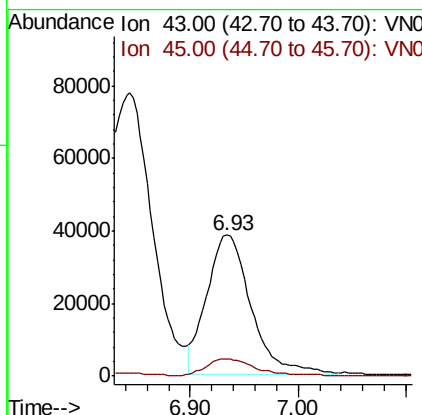
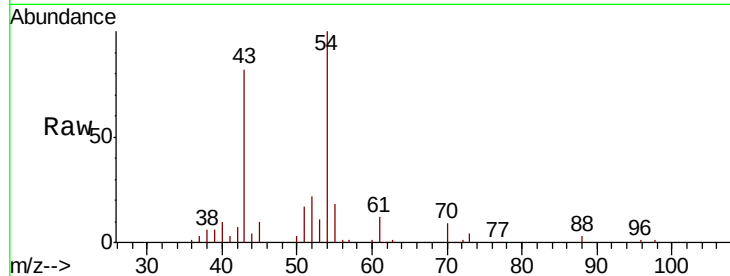
#43
Ethyl Acetate
Concen: 23.661 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion: 43 Resp: 109934
Ion Ratio Lower Upper
43 100
45 12.6 11.0 16.6

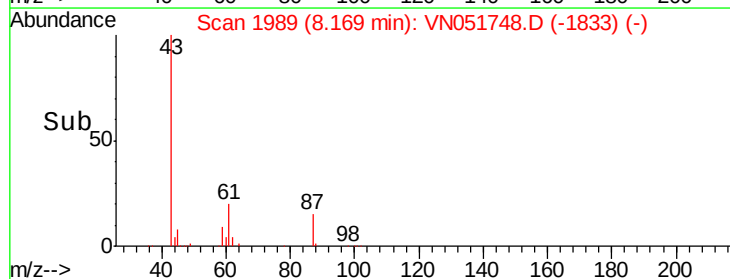
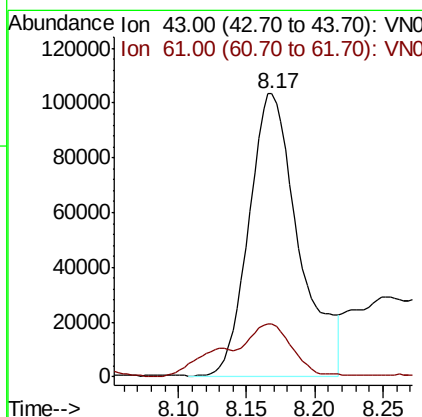
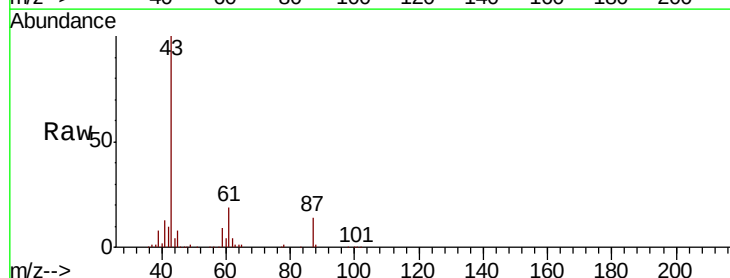
Manual Integrations
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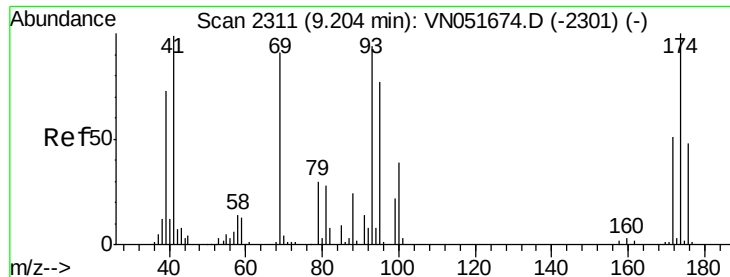
MMDadoda
10/17/2018 4:53:25 PM



#44
Isopropyl Acetate
Concen: 25.468 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 43 Resp: 261704
Ion Ratio Lower Upper
43 100
61 15.4 15.9 23.9#





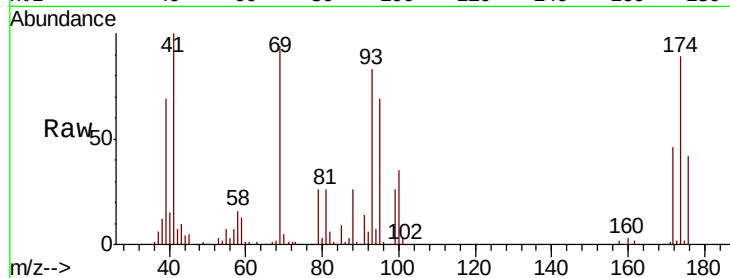
#45
1,4-Dioxane
Concen: 456.309 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	26.2	39.2
58	59.4	65.6	98.4#

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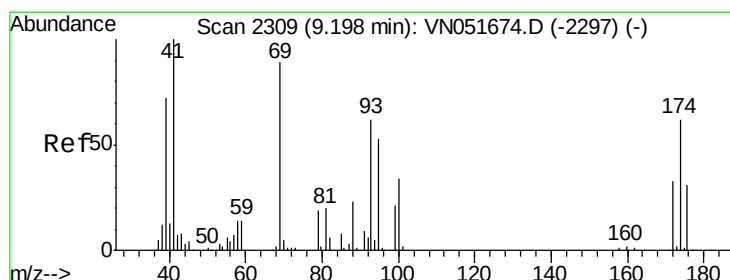
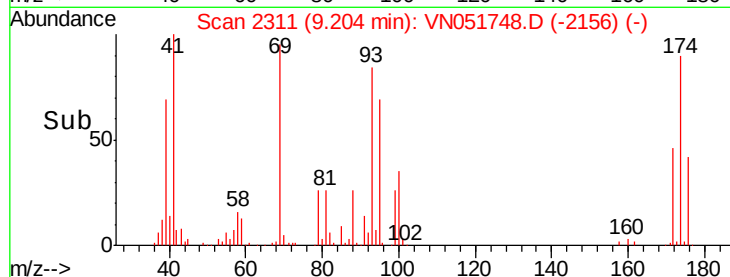
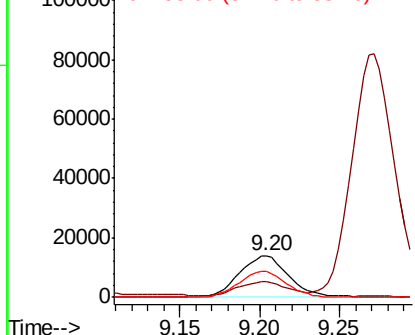


Abundance

Ion 88.00 (87.70 to 88.70): VN0

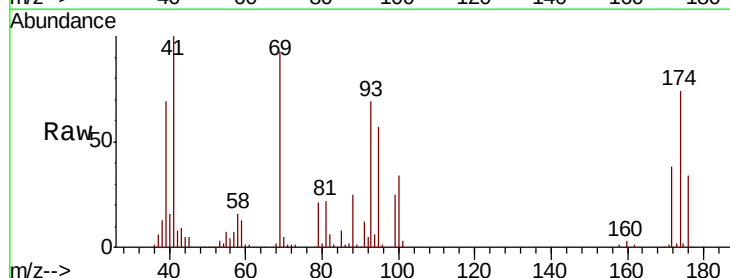
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
Methyl methacrylate
Concen: 22.708 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.1	40.7	122.1
39	68.9	27.3	81.9

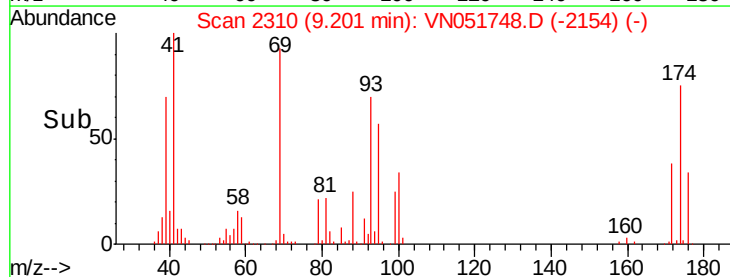
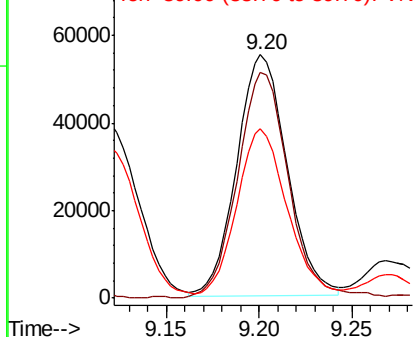


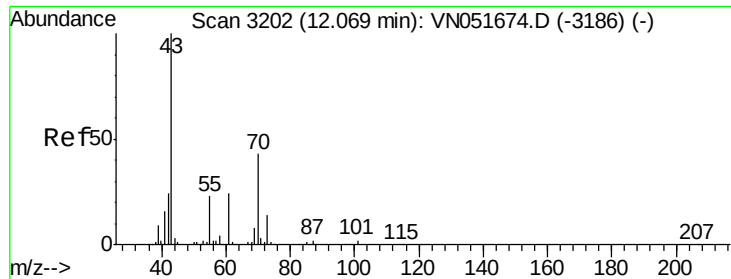
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





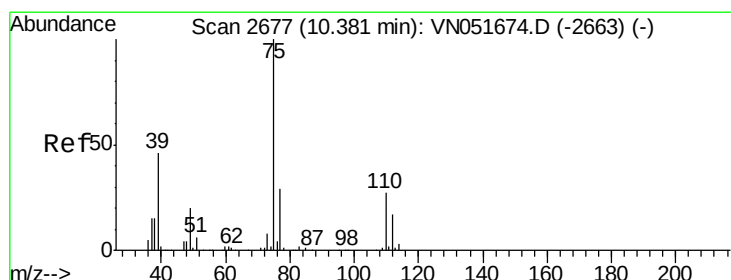
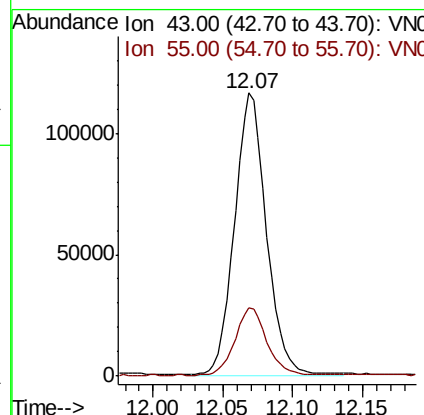
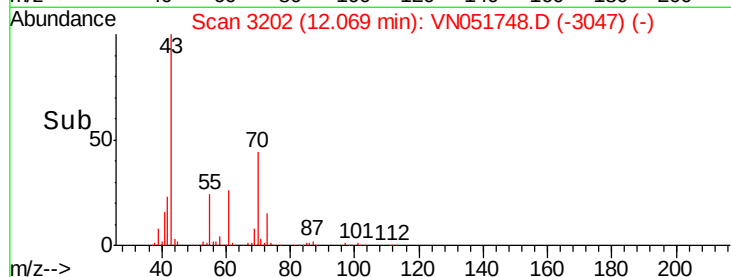
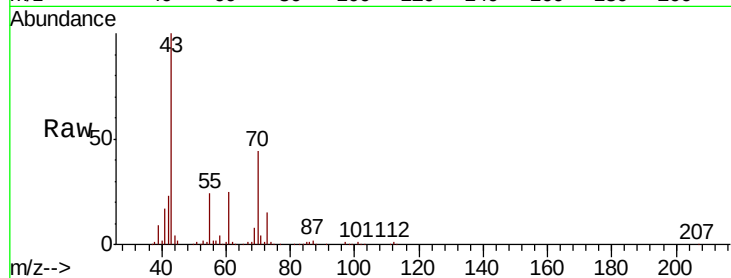
#47
n-amvl Acetate
Concen: 21.440 ug/l m
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion: 43 Resp: 187032
Ion Ratio Lower Upper
43 100
55 0.0 12.2 18.4#

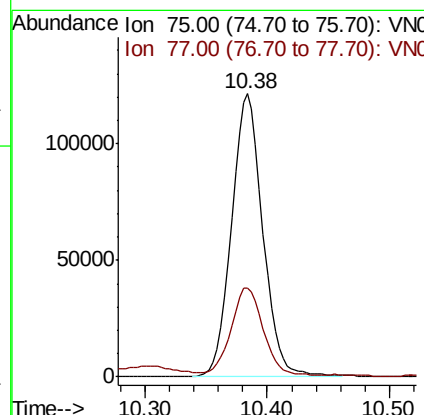
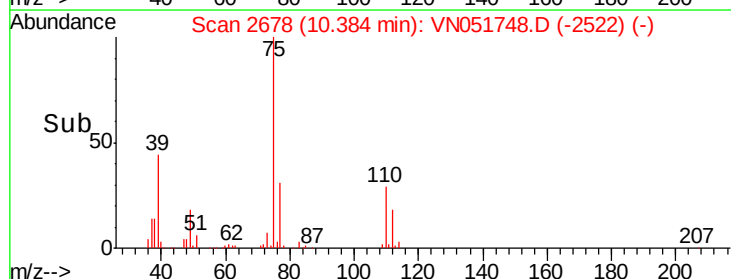
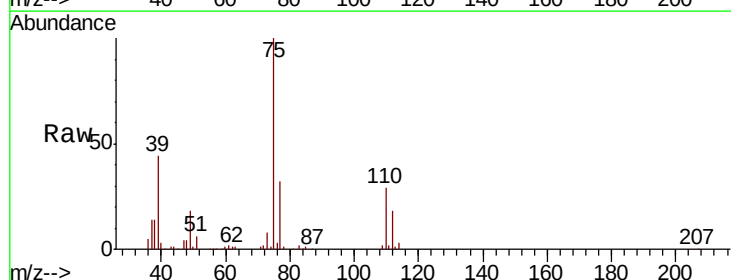
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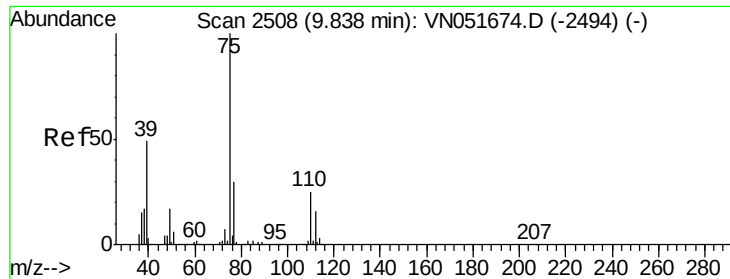
MMDadoda
10/17/2018 4:53:25 PM



#48
t-1,3-Dichloropropene
Concen: 20.696 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion: 75 Resp: 217144
Ion Ratio Lower Upper
75 100
77 30.9 24.6 37.0





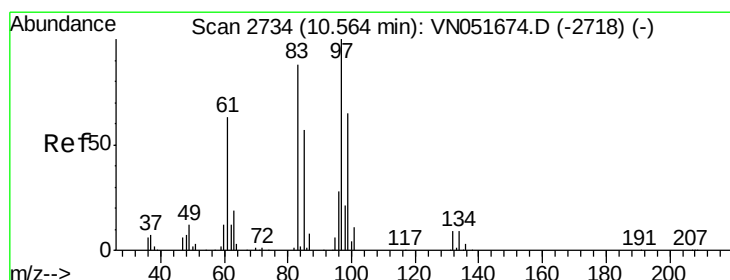
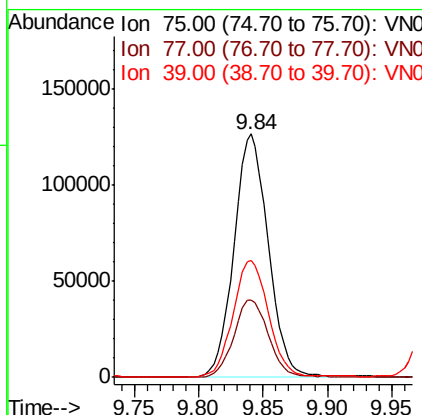
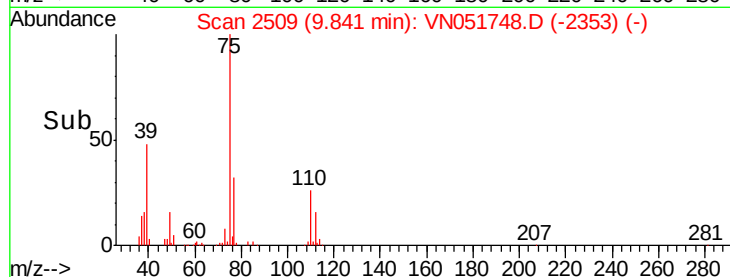
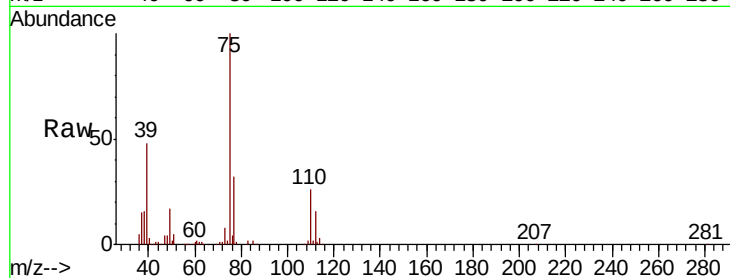
#49
 cis-1,3-Dichloropropene
 Concen: 20.716 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.2	34.8
39	48.0	34.6	52.0

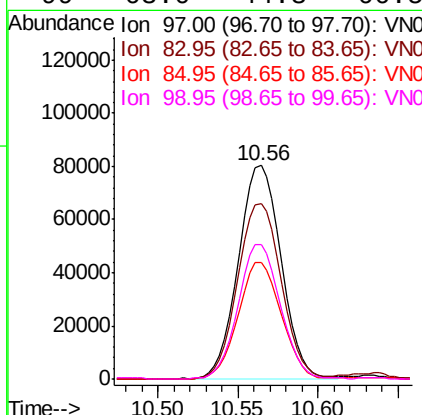
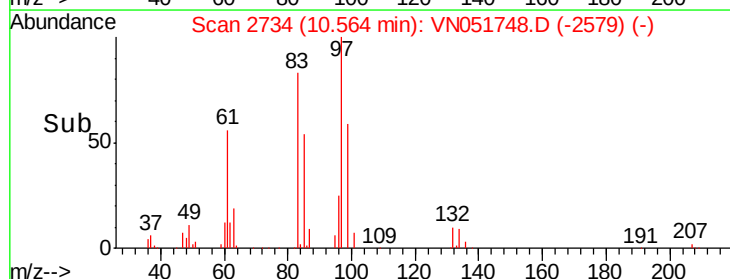
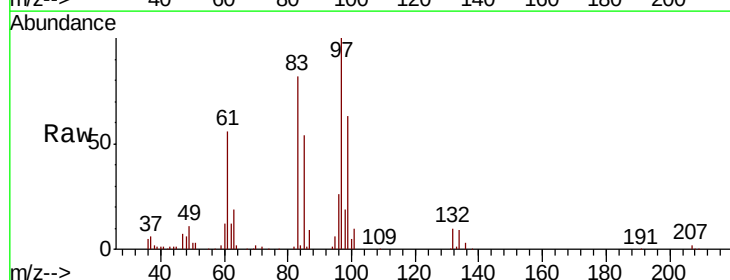
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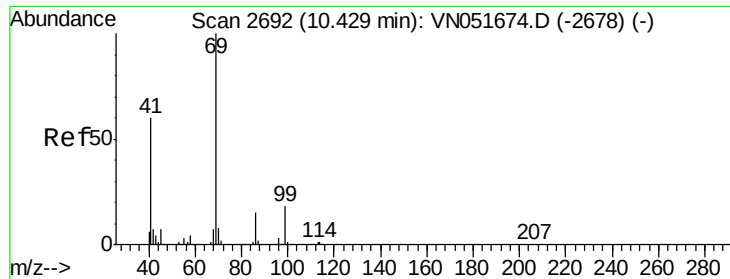
MMDadoda
 10/17/2018 4:53:25 PM



#50
 1,1,2-Trichloroethane
 Concen: 22.384 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.2	102.4
85	54.3	42.5	63.7
99	63.0	44.3	66.5





#51

Ethyl methacrylate

Concen: 21.575 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

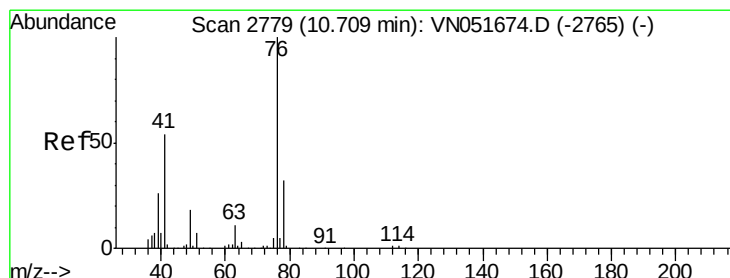
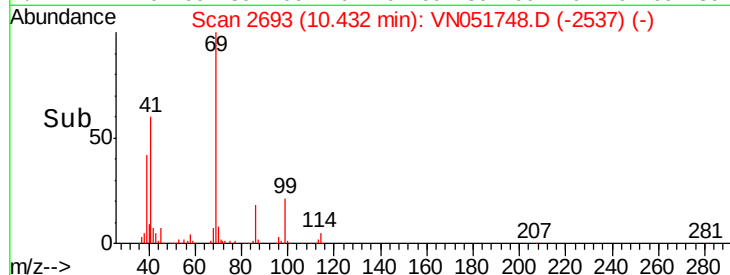
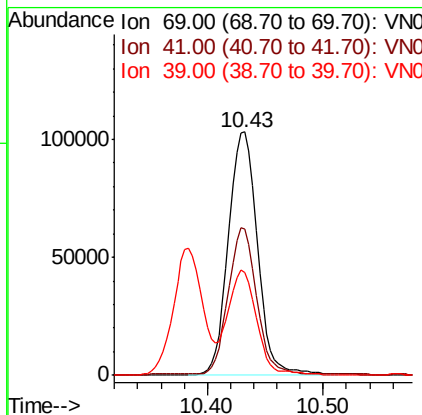
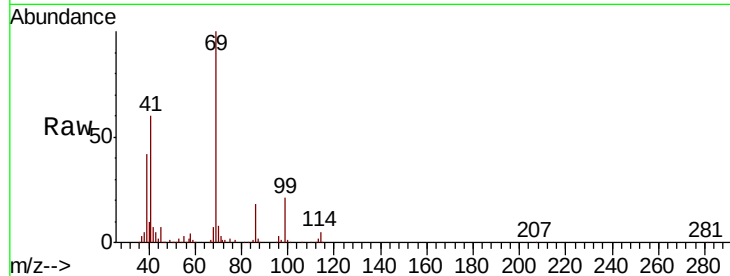
ClientSampleId :

VN1009WBSD01

Tot Ion:	69	Resp:	179836
Ion	Ratio	Lower	Upper
69	100		
41	59.8	34.4	103.1
39	42.2	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 21.861 ug/l

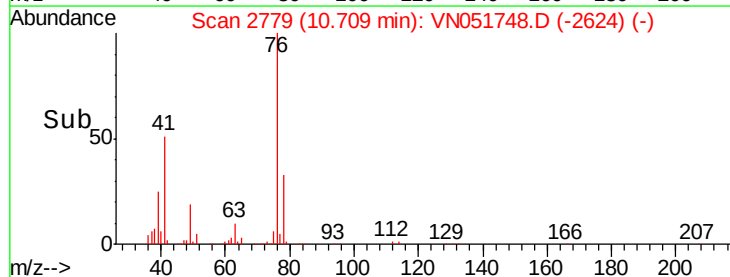
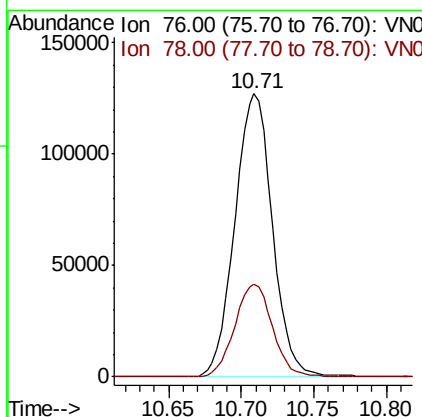
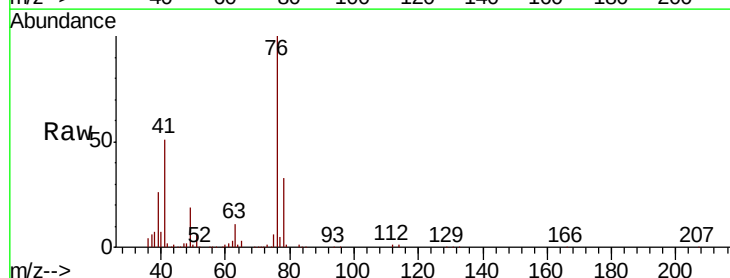
RT: 10.71 min Scan# 2779

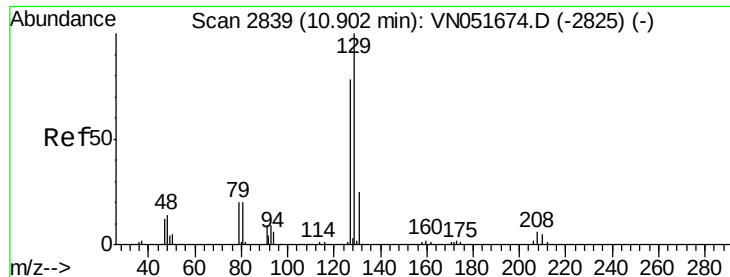
Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Tgt Ion:	76	Resp:	228174
Ion	Ratio	Lower	Upper
76	100		
78	33.1	0.0	67.6





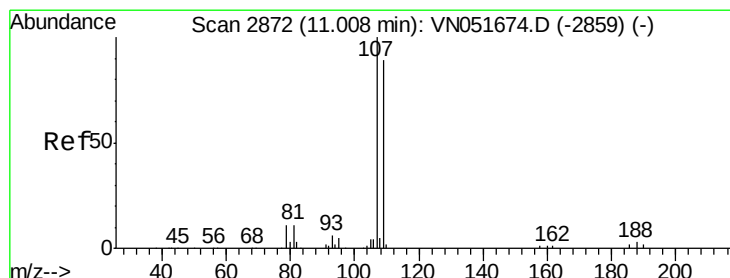
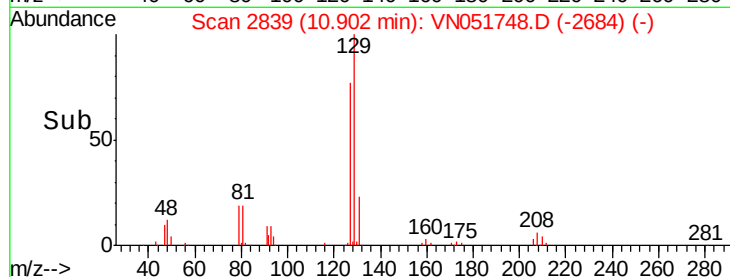
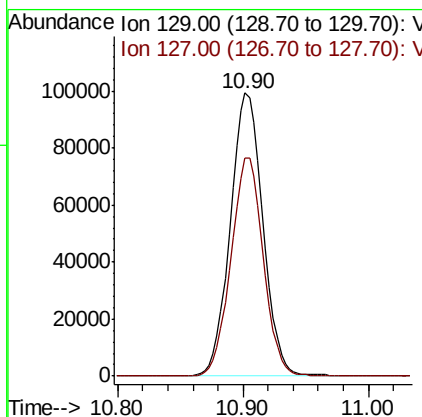
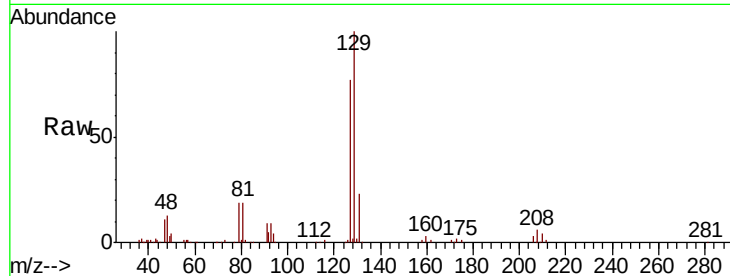
#53
 Dibromochloromethane
 Concen: 20.815 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Tot Ion:129 Resp: 179189
 Ion Ratio Lower Upper
 129 100
 127 76.4 40.2 120.5

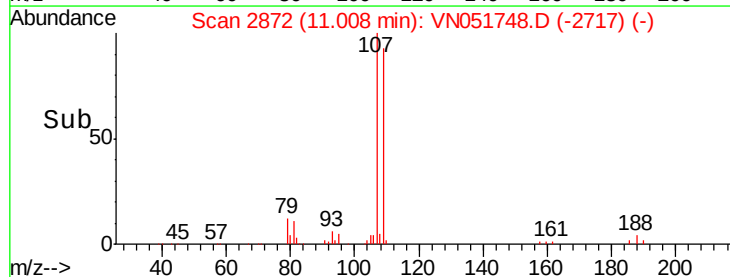
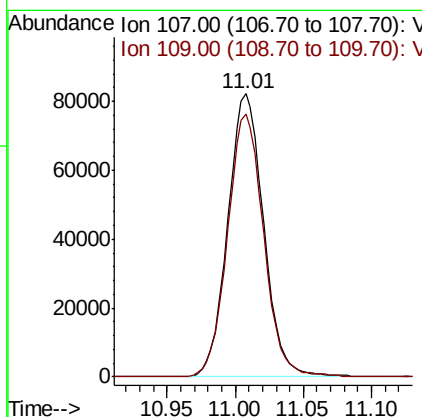
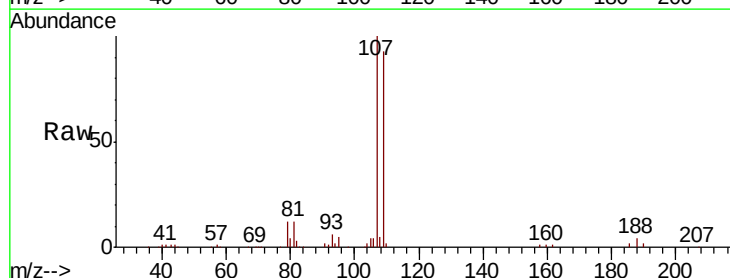
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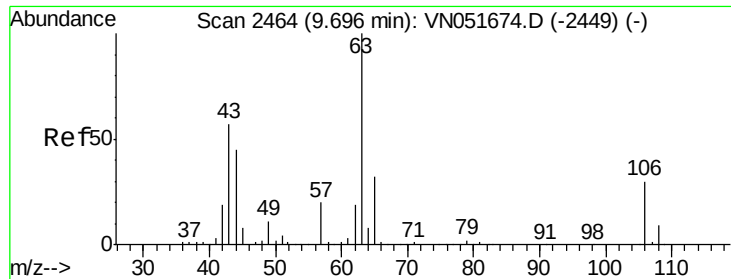
MMDadoda
 10/17/2018 4:53:25 PM



#54
 1,2-Dibromoethane
 Concen: 21.767 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion:107 Resp: 149661
 Ion Ratio Lower Upper
 107 100
 109 93.7 77.4 116.0





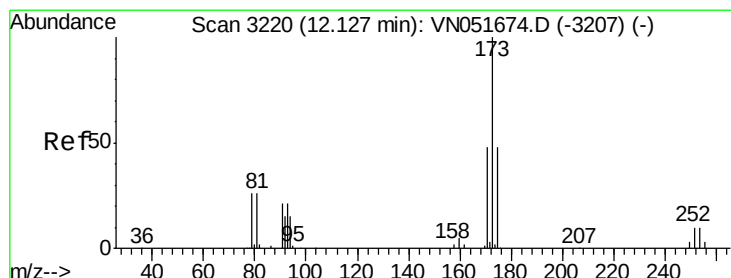
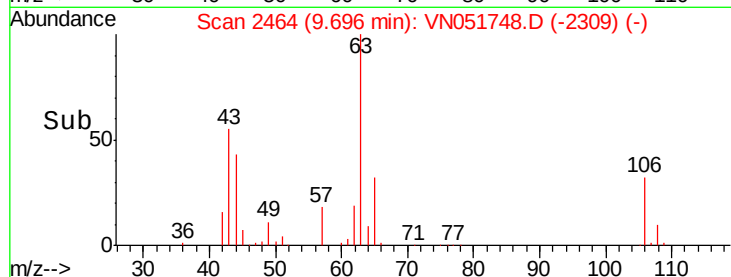
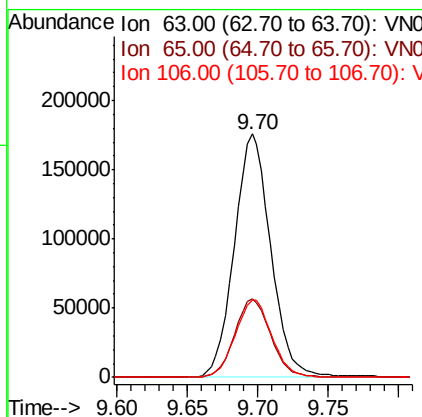
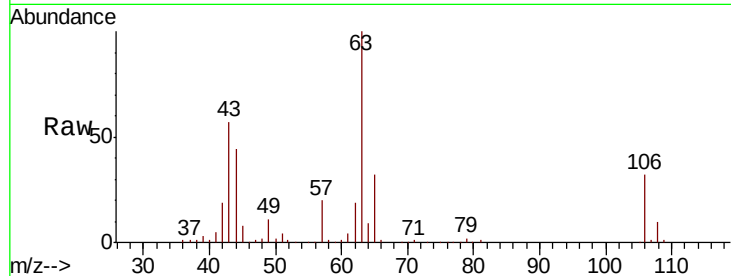
#55
2-Chloroethyl vinyl ether
Concen: 92.218 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.0
106	31.8	21.2	31.8

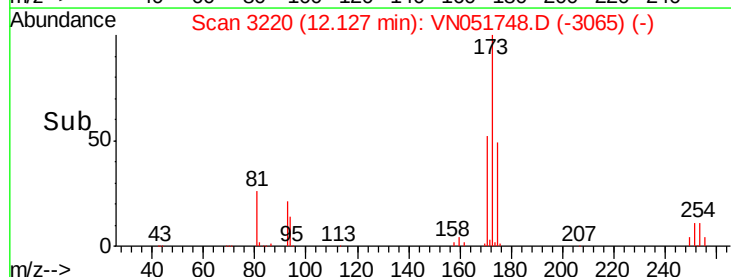
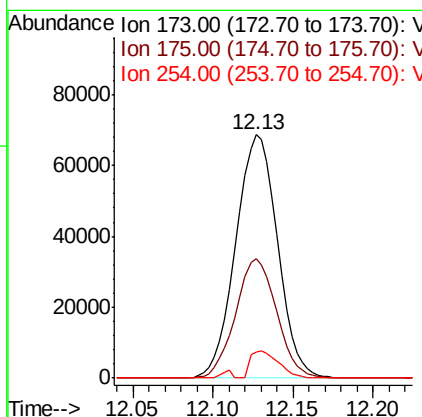
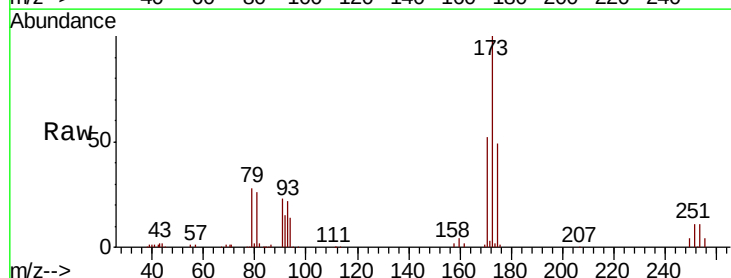
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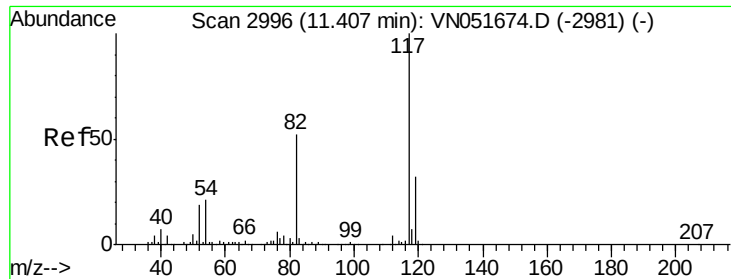
MMDadoda
10/17/2018 4:53:25 PM



#56
Bromoform
Concen: 19.829 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	35.8	53.8
254	7.5	8.6	13.0





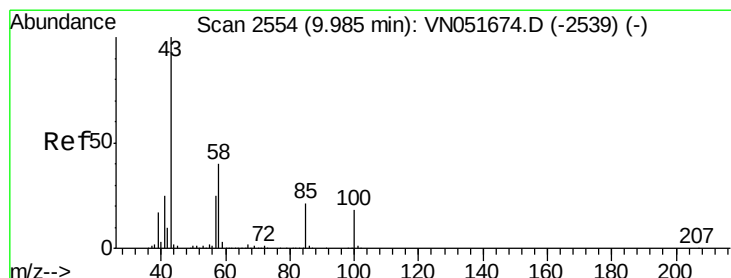
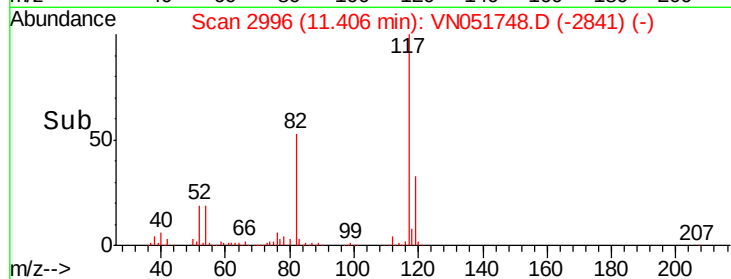
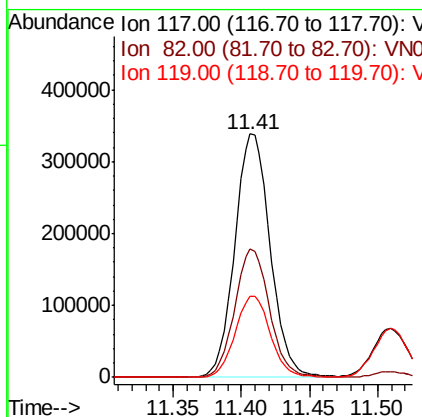
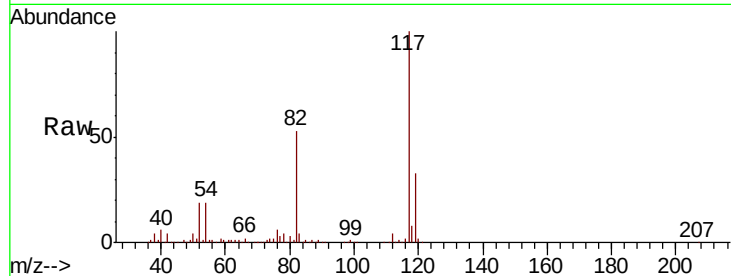
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	44.1	66.1
119	33.2	25.8	38.8

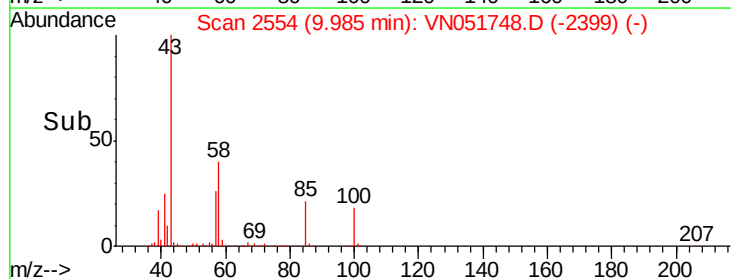
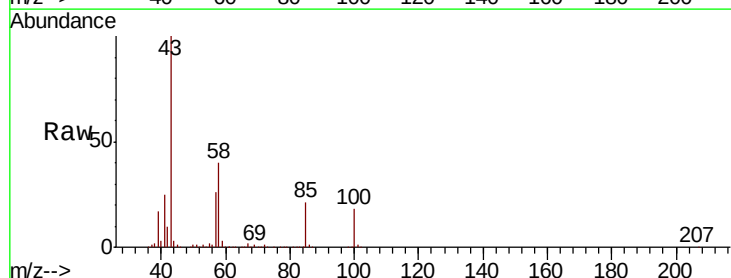
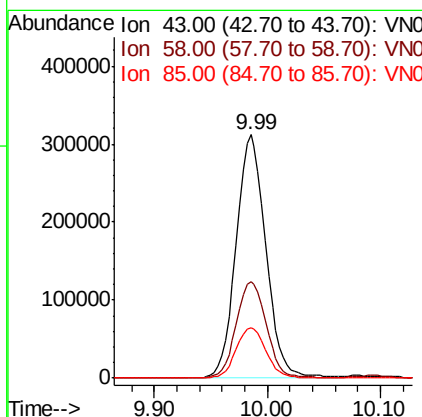
Manual Integrations
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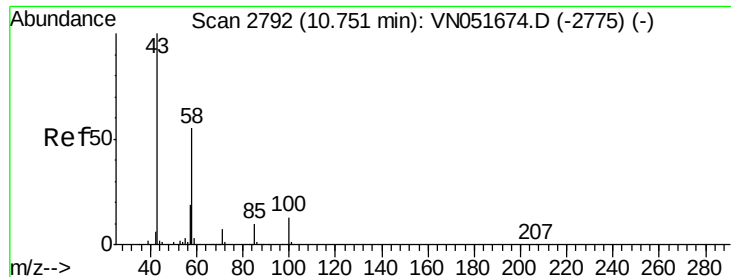
MMDadoda
10/17/2018 4:53:25 PM



#58
4-Methyl-2-Pentanone
Concen: 113.435 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	29.3	43.9
85	21.0	12.6	18.8#





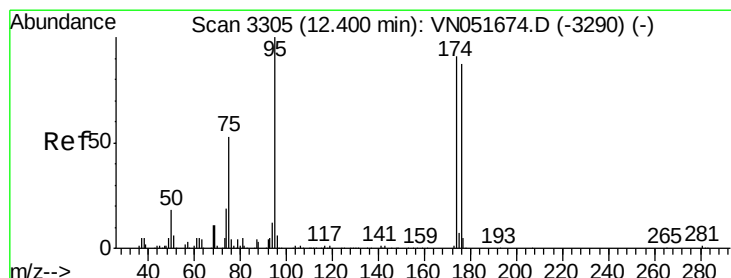
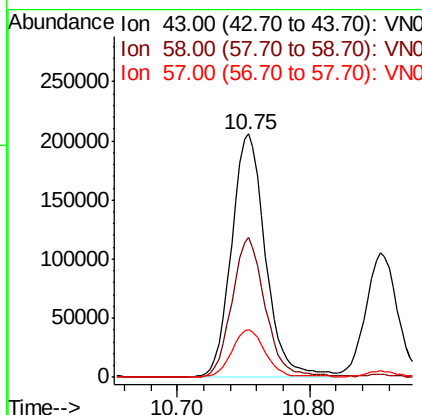
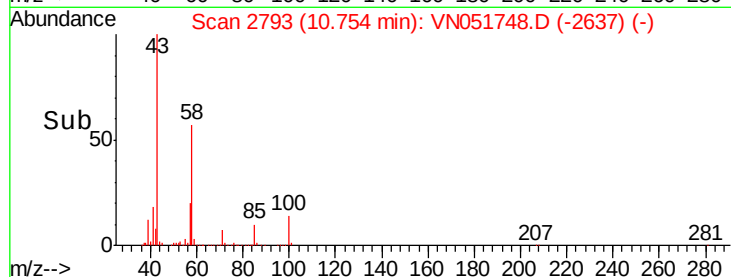
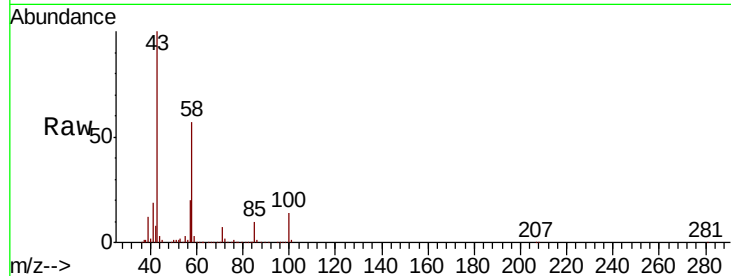
#59
2-Hexanone
Concen: 107.278 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.9	41.3	61.9
57	19.1	13.4	20.0

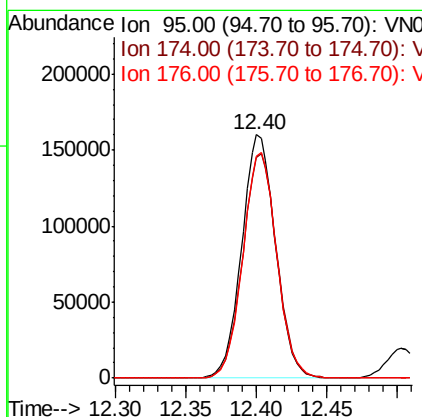
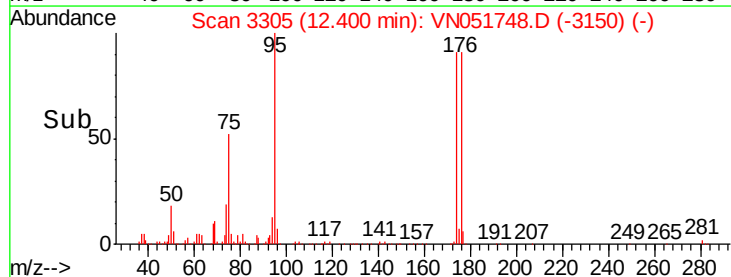
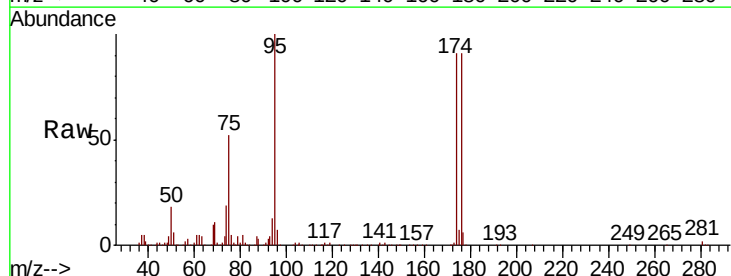
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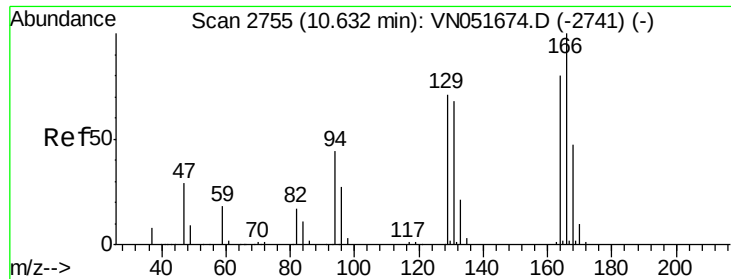
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 107.278 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.9	73.5	110.3
176	92.5	70.2	105.2





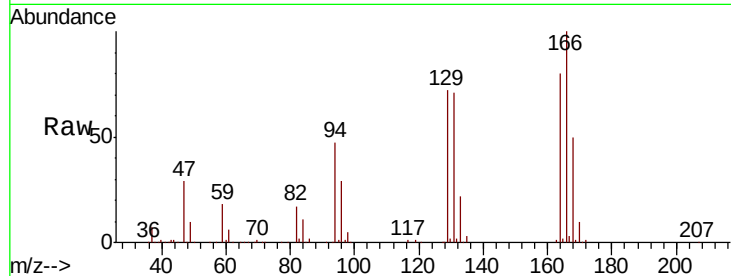
#61
Tetrachloroethene
Concen: 22.772 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
164	100	163965		
166	124.9	98.7	148.1	
129	89.4	69.6	104.4	
131	89.3	72.4	108.6	

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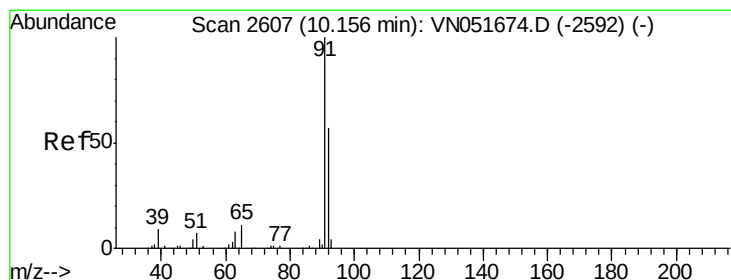
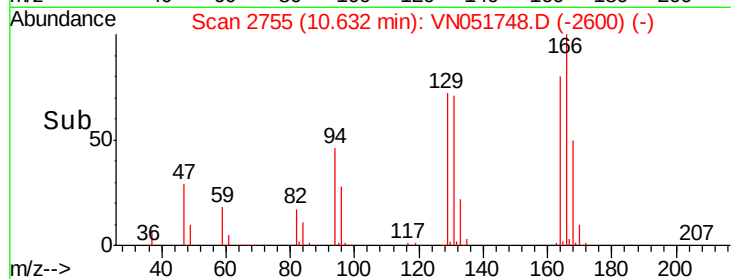
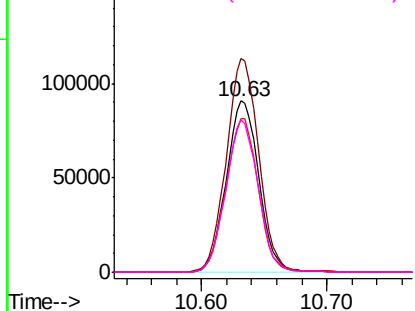
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

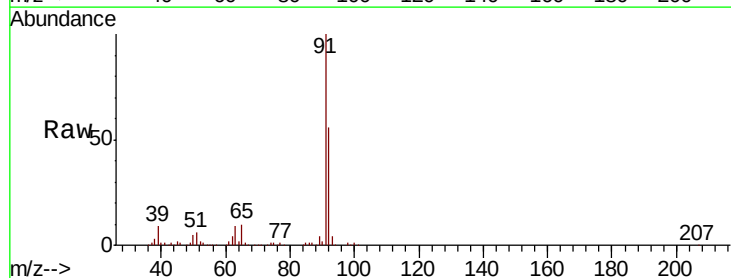
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 22.433 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

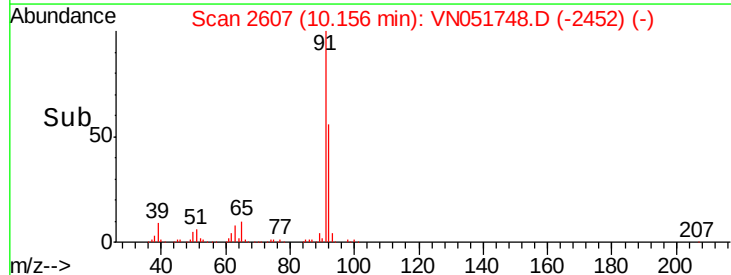
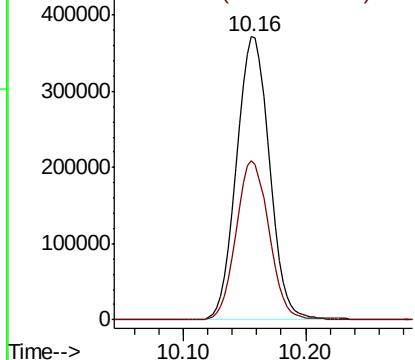
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	694510		
92	56.6	44.6	66.8	

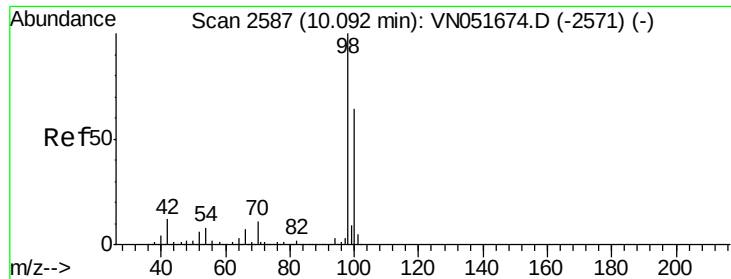


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 22.433 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

Tot Ion: 98 Resp: 817051

Ion Ratio Lower Upper

98 100

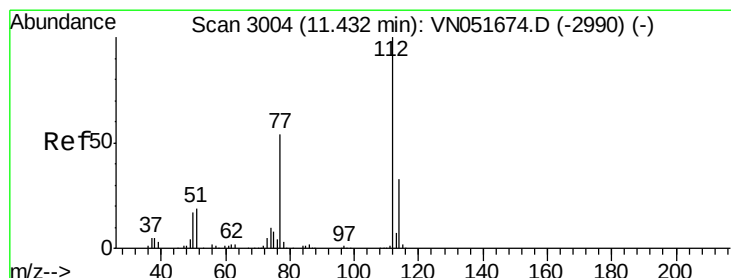
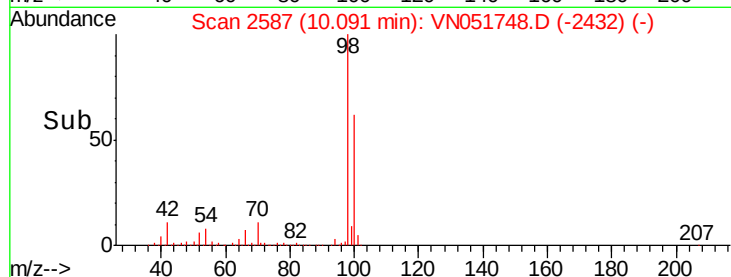
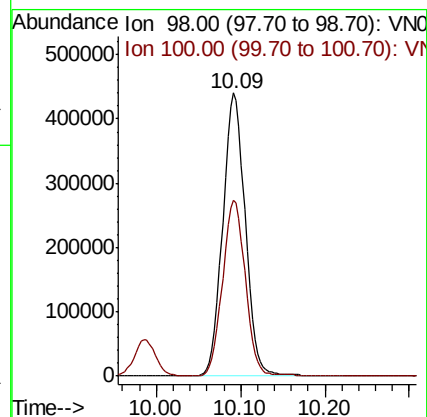
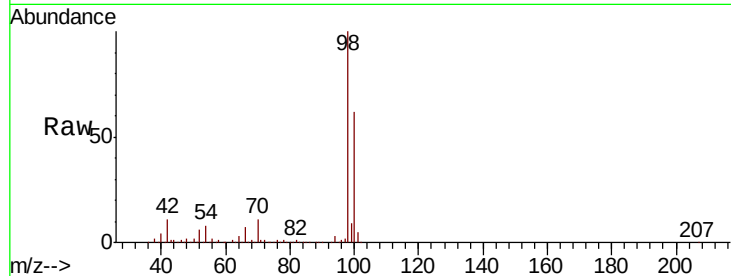
100 62.2 50.8 76.2

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#64

Chlorobenzene

Concen: 22.741 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051748.D

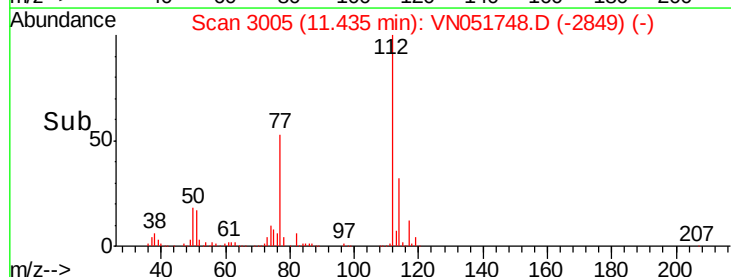
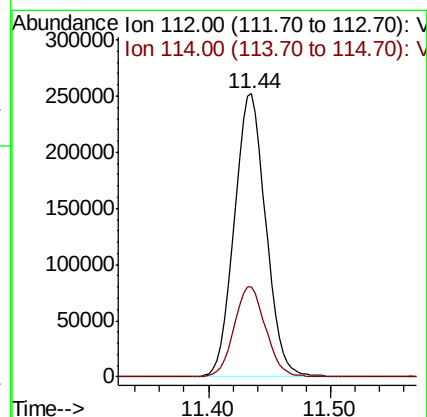
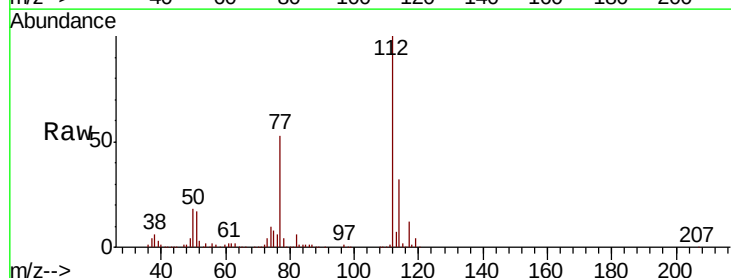
Acq: 9 Oct 2018 13:42

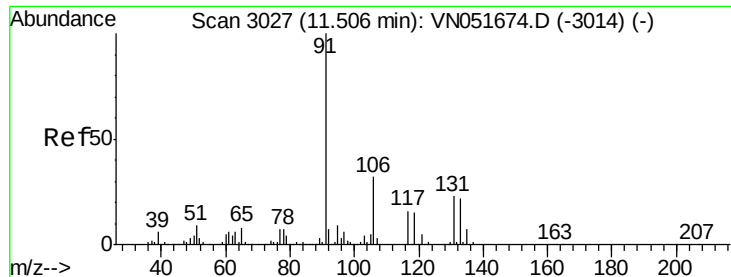
Tgt Ion: 112 Resp: 451886

Ion Ratio Lower Upper

112 100

114 32.0 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 22.269 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

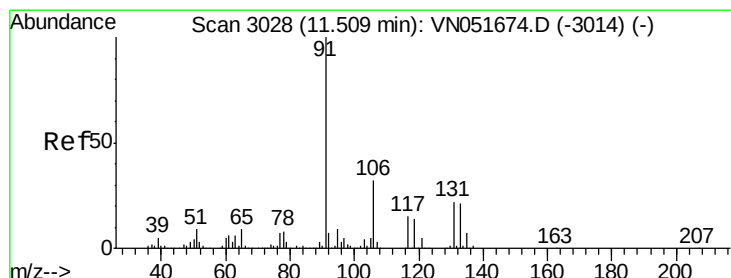
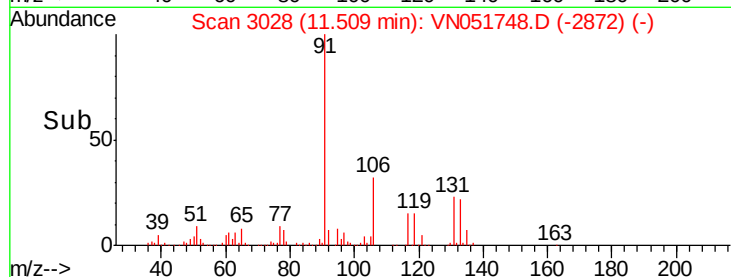
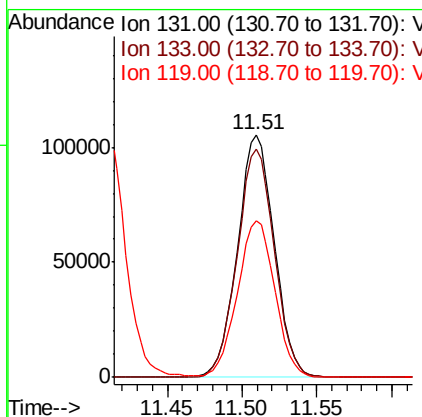
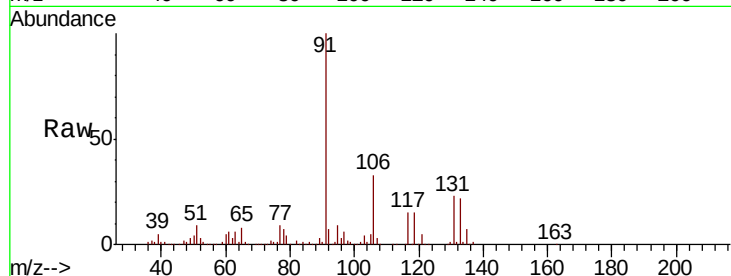
ClientSampleId :

VN1009WBSD01

Tot Ion:	131	Resp:	180102
Ion Ratio	Lower	Upper	
131	100		
133	95.3	0.0	190.4
119	66.0	0.0	128.0

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#66

Ethyl Benzene

Concen: 22.341 ug/l

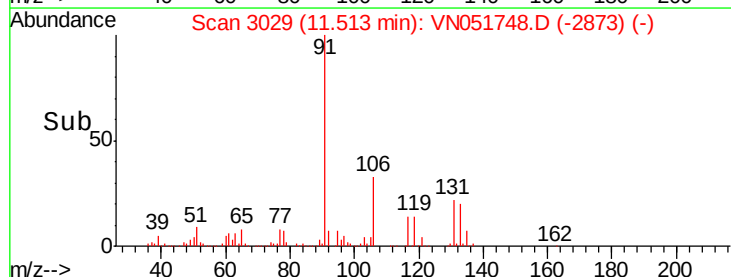
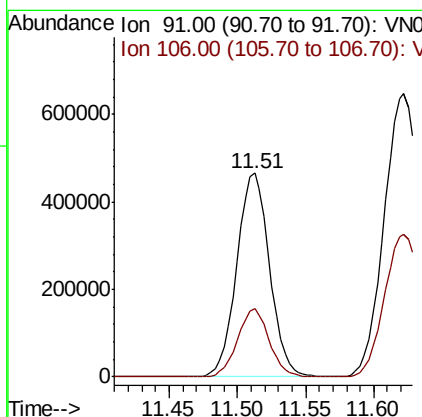
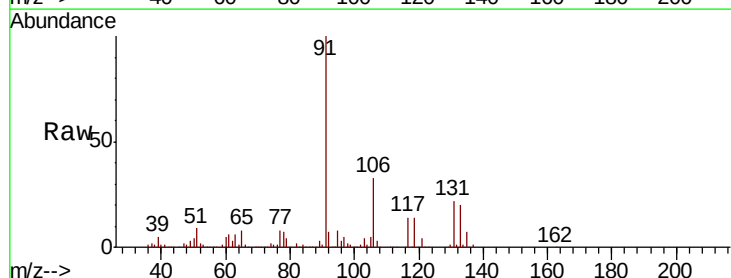
RT: 11.51 min Scan# 3029

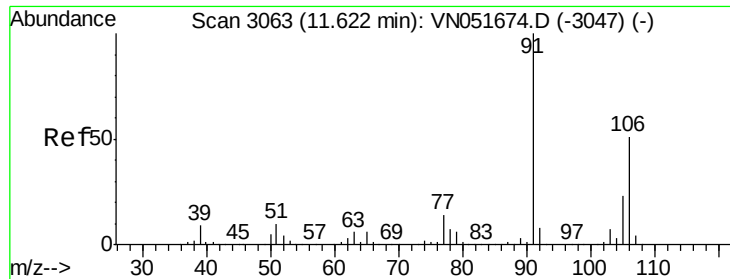
Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Tgt Ion:	91	Resp:	778063
Ion Ratio	Lower	Upper	
91	100		
106	33.3	25.9	38.9





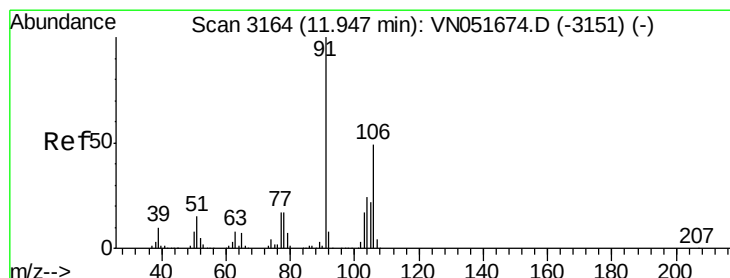
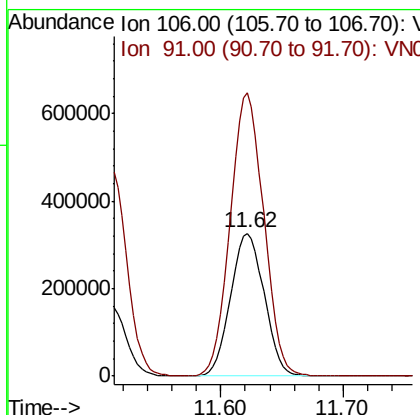
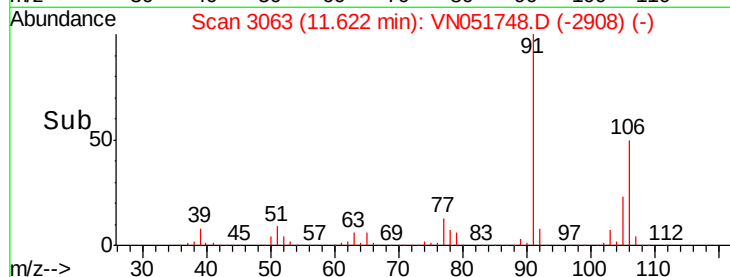
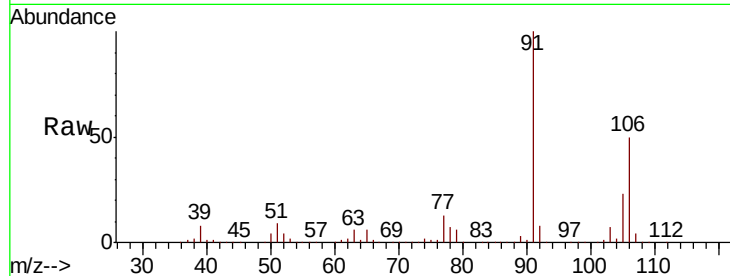
#67
m/p-Xylenes
Concen: 44.958 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion:106 Resp: 626247
Ion Ratio Lower Upper
106 100
91 197.2 158.8 238.2

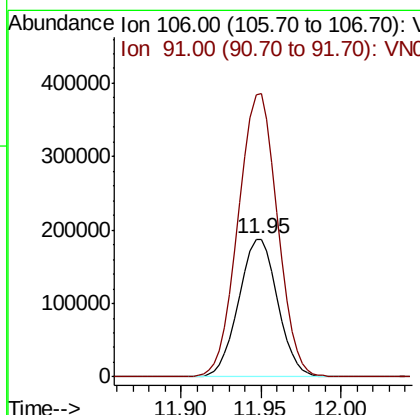
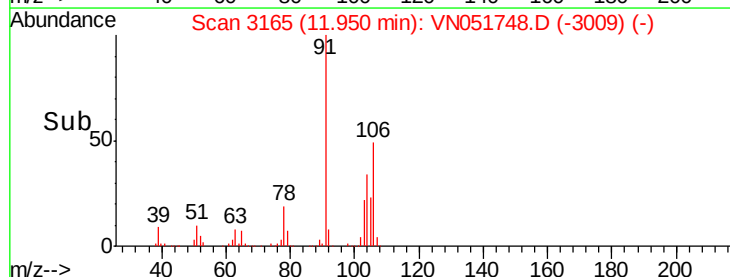
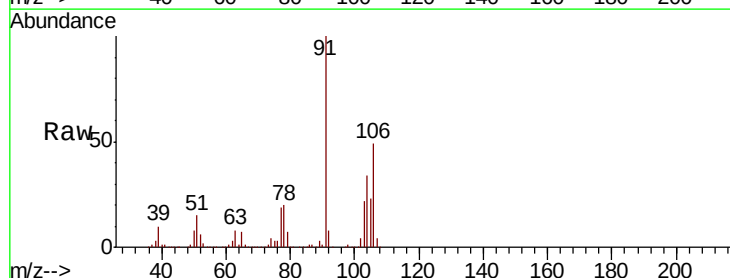
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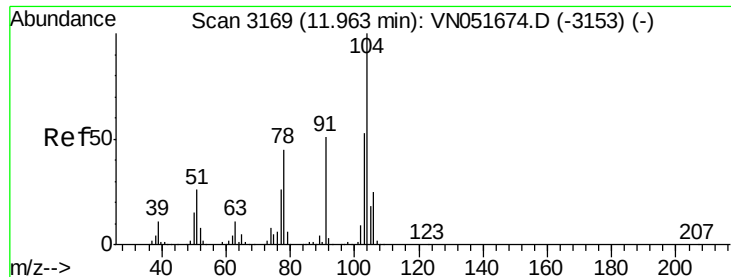
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#68
o-Xylene
Concen: 22.699 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion:106 Resp: 311849
Ion Ratio Lower Upper
106 100
91 207.1 111.1 333.3





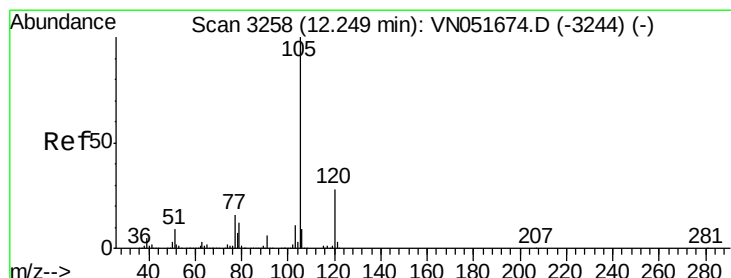
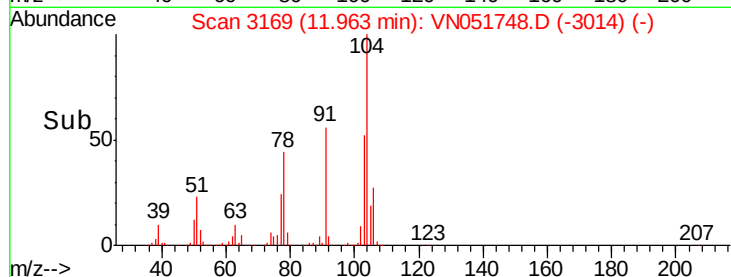
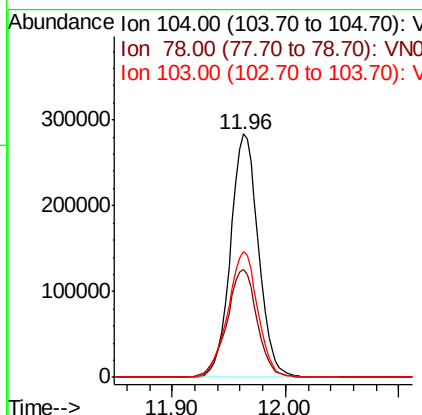
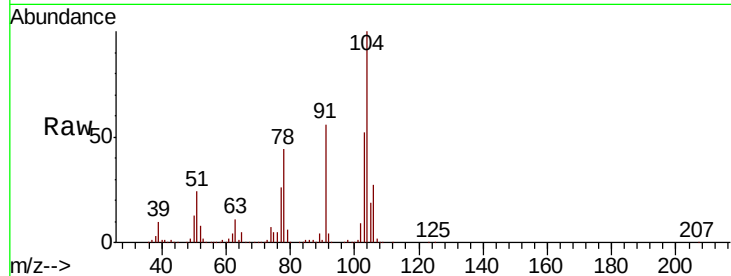
#69
Stvrene
Concen: 22.197 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	40.6	60.8
103	55.5	44.0	66.0

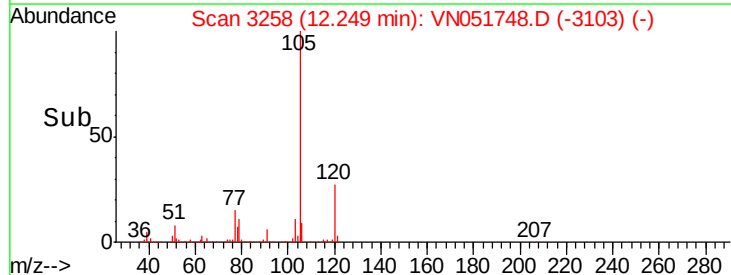
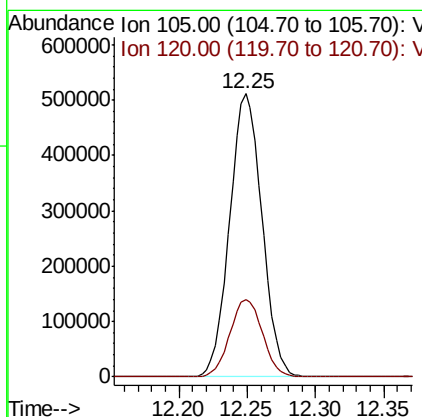
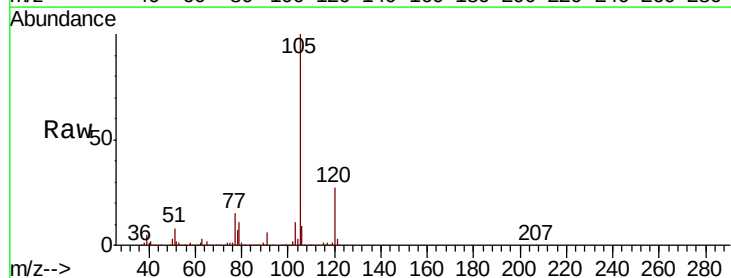
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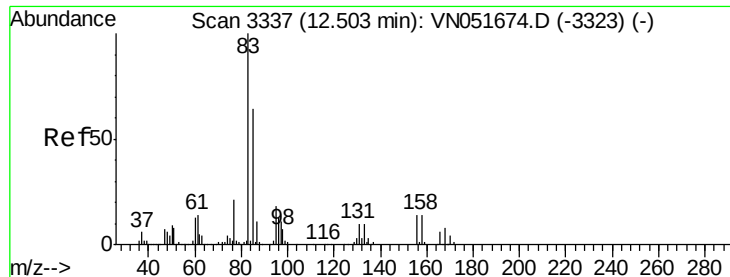
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#70
Isopropylbenzene
Concen: 22.820 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	19.0	35.4





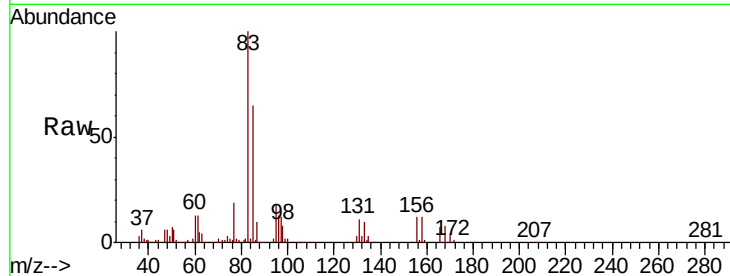
#71
 1,1,2,2-Tetrachloroethane
 Concen: 23.249 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

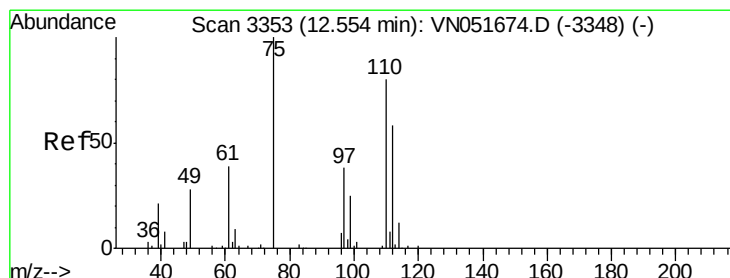
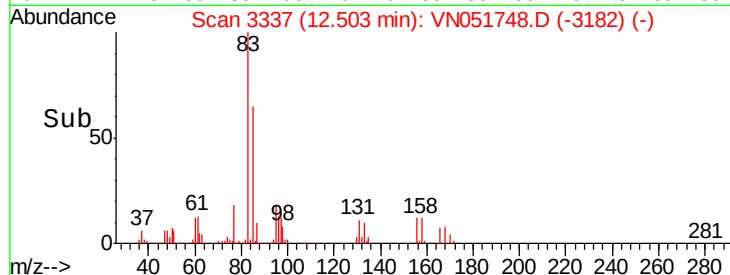
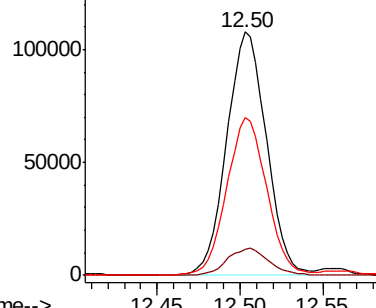
Tot Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.5	16.4
85	64.8	30.6	91.8

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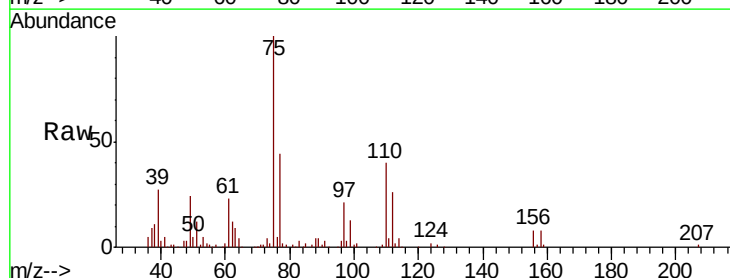


Abundance Ion 83.00 (82.70 to 83.70): VN051748.D (-3182) (-)
 Ion 131.00 (130.70 to 131.70): VN051748.D (-3182) (-)
 Ion 85.00 (84.70 to 85.70): VN051748.D (-3182) (-)

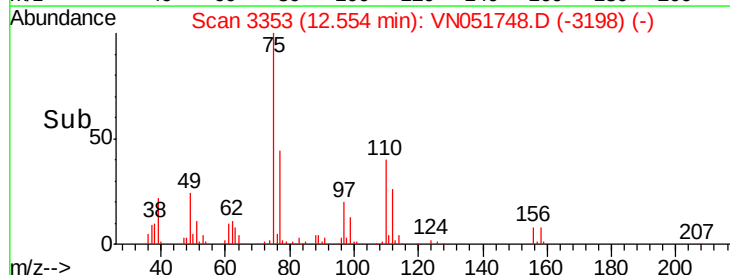
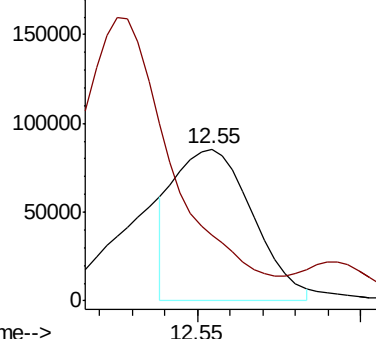


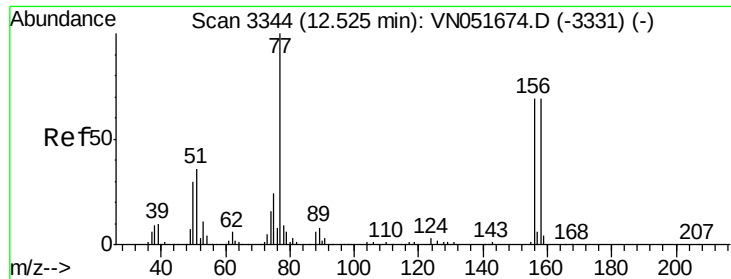
#72
 1,2,3-Trichloropropane
 Concen: 23.258 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	227.7	0.0	400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051748.D (-3198) (-)
 Ion 77.00 (76.70 to 77.70): VN051748.D (-3198) (-)





#73

Bromobenzene

Concen: 22.175 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

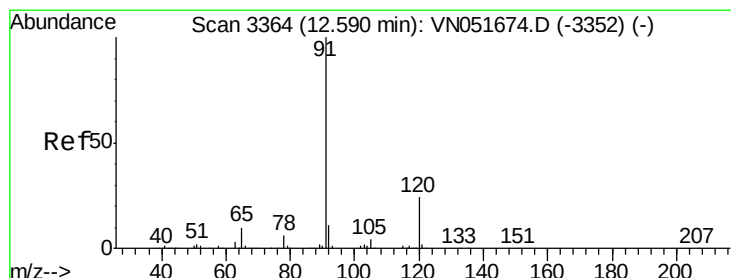
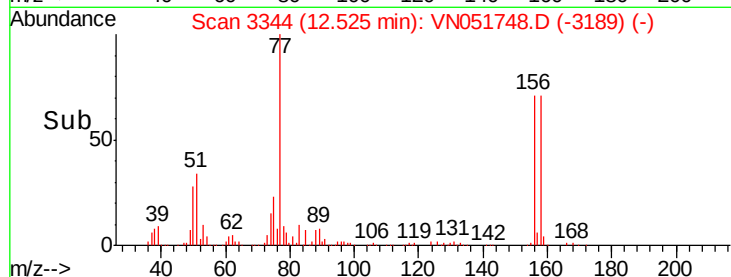
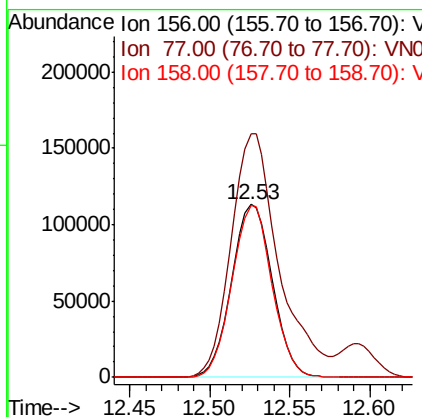
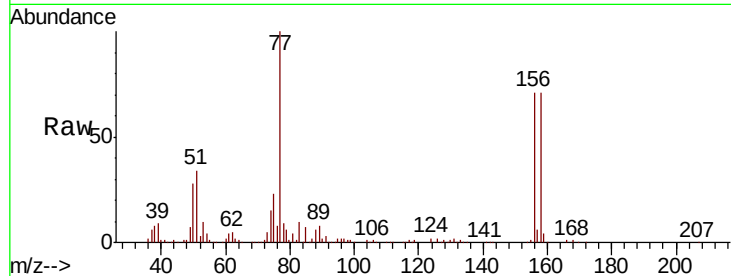
ClientSampleId :

VN1009WBSD01

Tot Ion:	156	Resp:	196890
Ion Ratio	Lower	Upper	
156	100		
77	165.4	0.0	377.4
158	97.7	0.0	203.0

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#74

n-propylbenzene

Concen: 22.454 ug/l

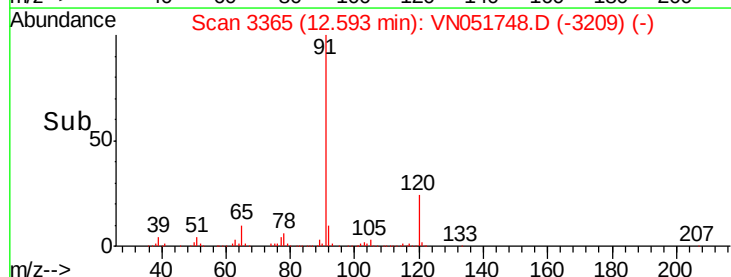
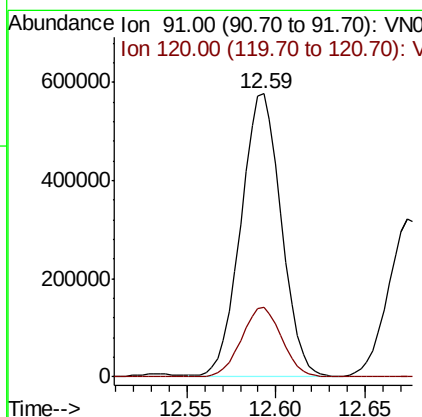
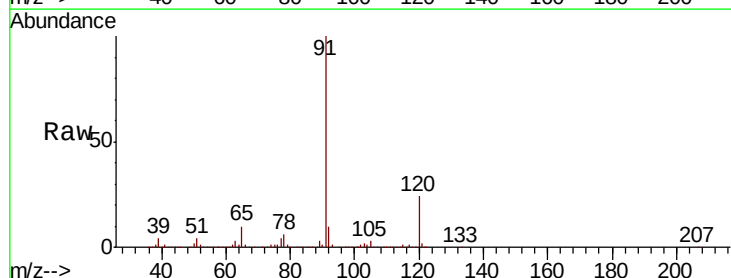
RT: 12.59 min Scan# 3365

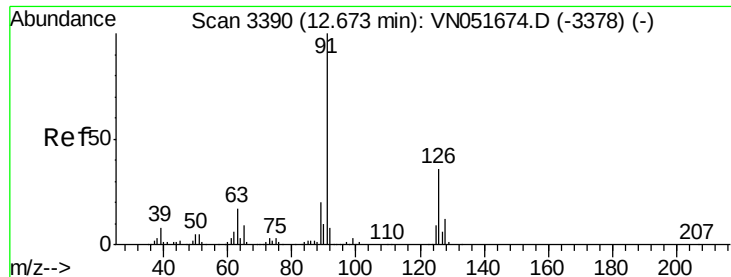
Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Tgt Ion:	91	Resp:	912530
Ion Ratio	Lower	Upper	
91	100		
120	24.5	0.0	45.0





#75

2-Chlorotoluene

Concen: 22.374 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

Tot Ion: 91 Resp: 531297

Ion Ratio Lower Upper

91 100

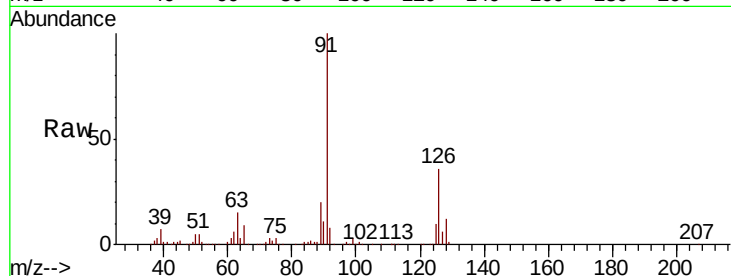
126 37.2 0.0 67.6

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Abundance Ion 91.00 (90.70 to 91.70): VN051674.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051674.D (-3378) (-)

500000

400000

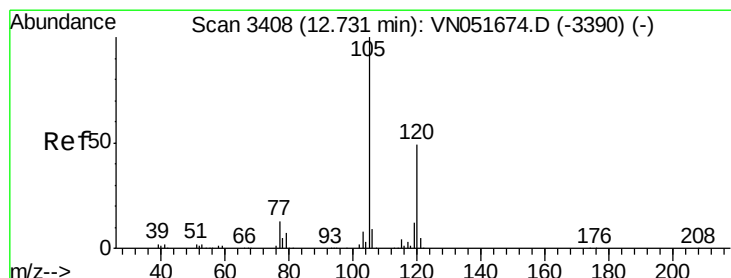
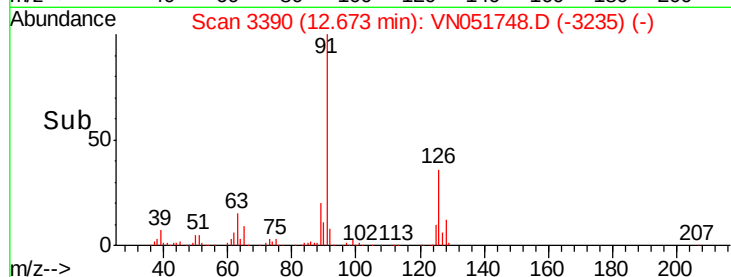
300000

200000

100000

0

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 22.676 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051748.D

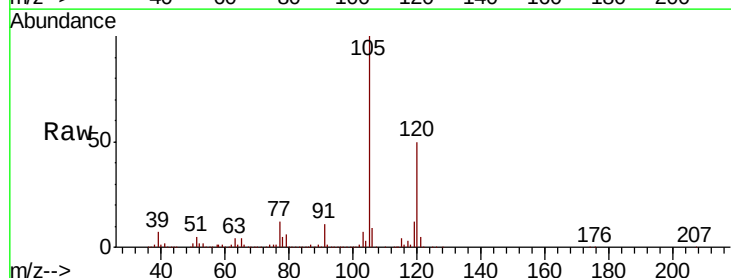
Acq: 9 Oct 2018 13:42

Tgt Ion: 105 Resp: 710330

Ion Ratio Lower Upper

105 100

120 49.5 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051674.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN051674.D (-3390) (-)

500000

400000

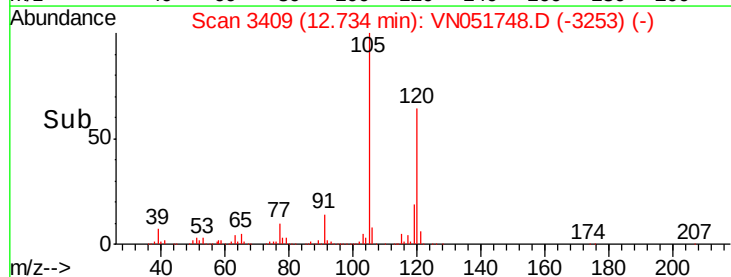
300000

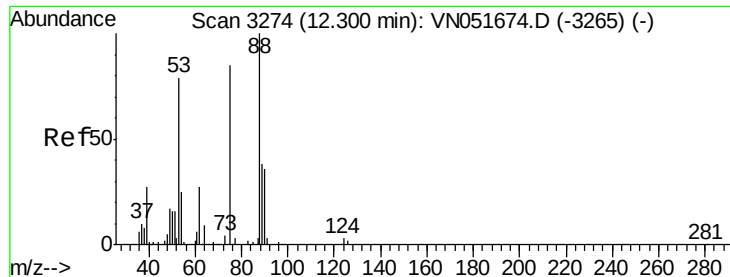
200000

100000

0

Time--> 12.65 12.70 12.75 12.80





#77

t-1,4-Dichloro-2-butene

Concen: 20.622 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

Tot Ion: 75 Resp: 47287

Ion Ratio Lower Upper

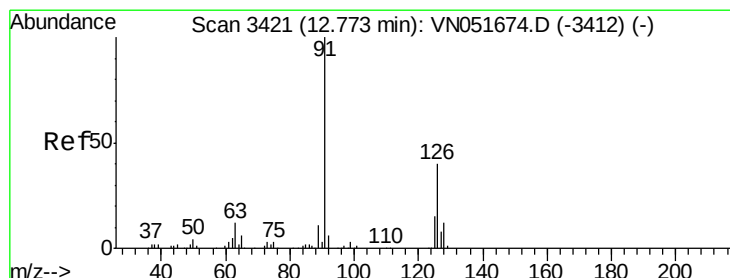
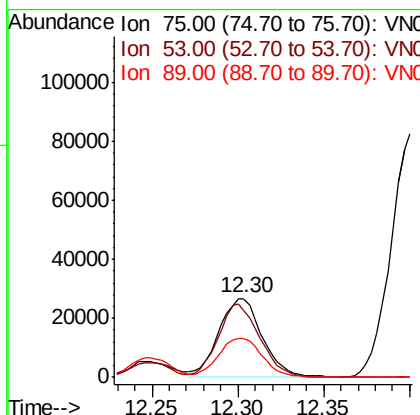
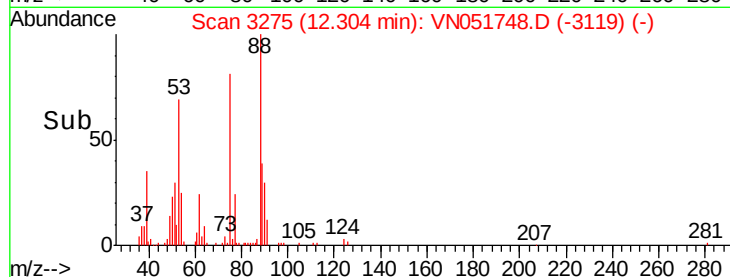
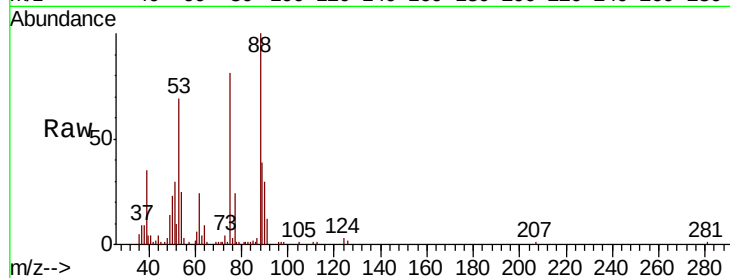
75 100

53 84.7 46.3 138.9

89 48.7 24.6 73.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 22.250 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051748.D

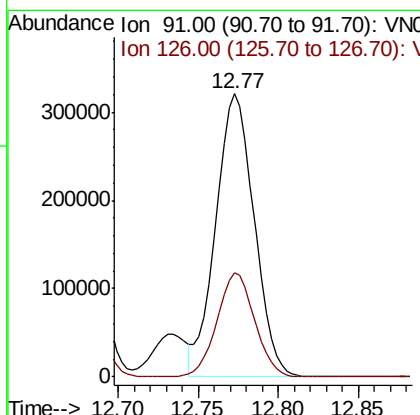
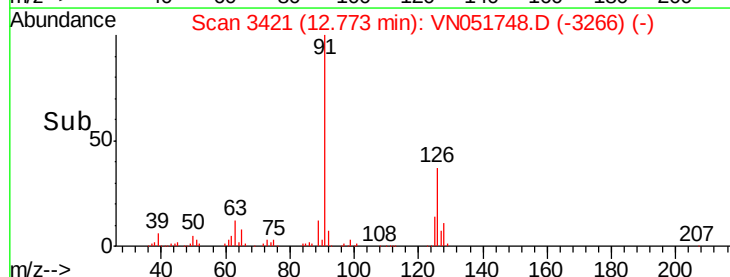
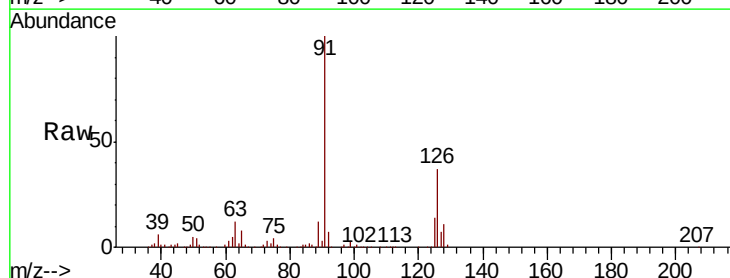
Acq: 9 Oct 2018 13:42

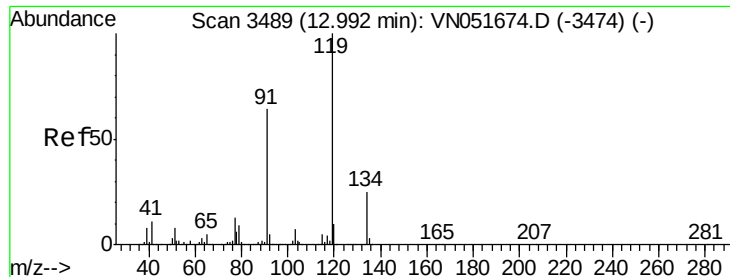
Tgt Ion: 91 Resp: 529488

Ion Ratio Lower Upper

91 100

126 35.9 0.0 65.2





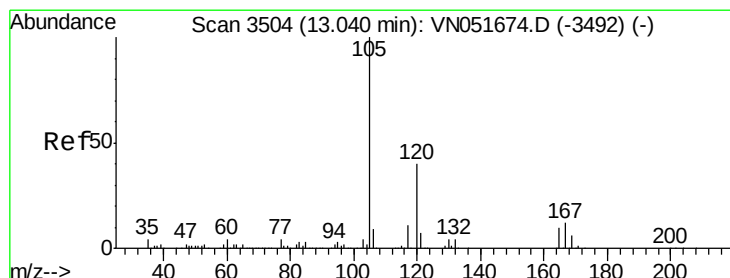
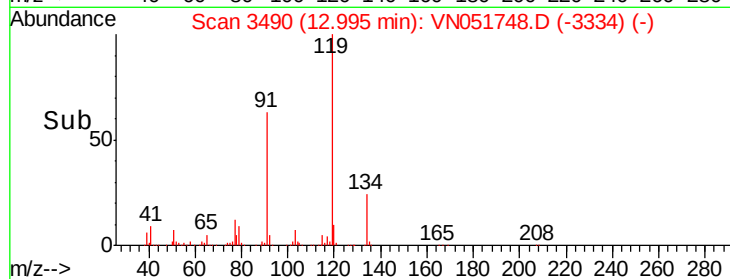
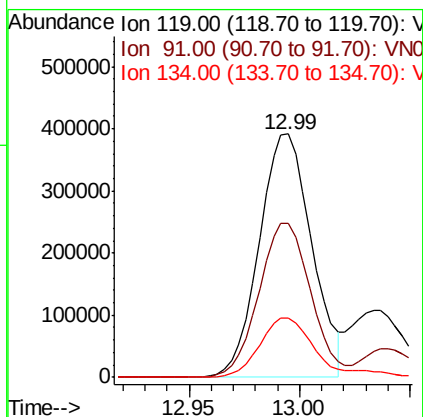
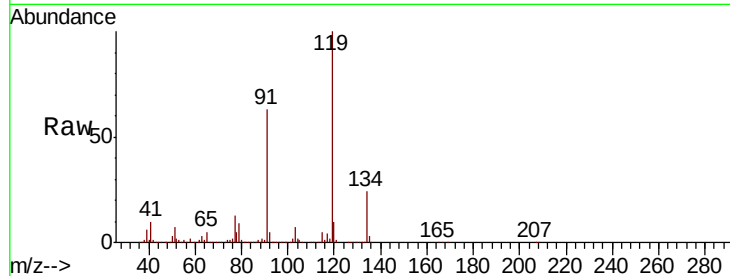
#79
 tert-butylbenzene
 Concen: 22.953 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	0.0	131.6
134	24.2	0.0	46.2

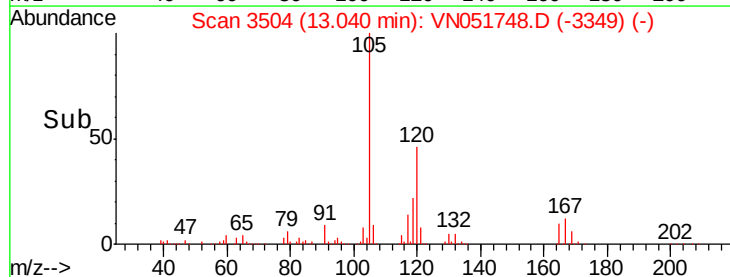
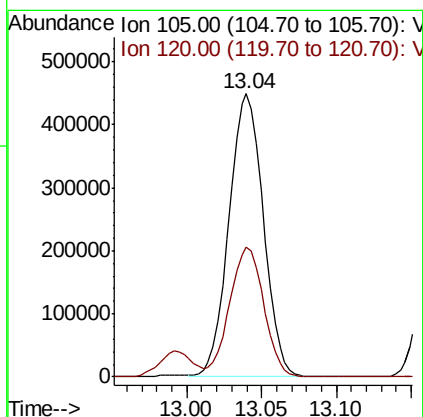
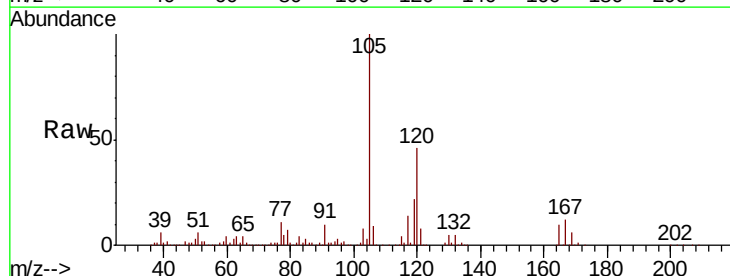
Manual Integrations
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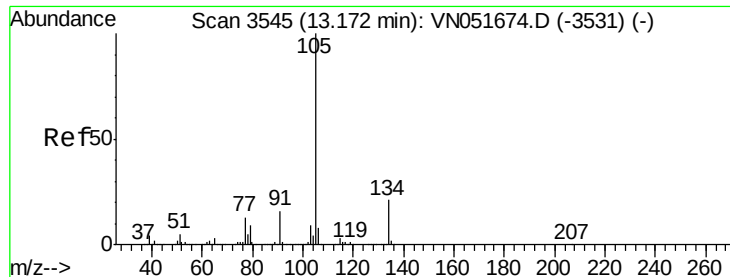
MMDadoda
 10/17/2018 4:53:25 PM



#80
 1,2,4-Trimethylbenzene
 Concen: 23.124 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	0.0	89.6





#81

sec-Butylbenzene

Concen: 22.950 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBSD01

Tot Ion:105 Resp: 864973

Ion Ratio Lower Upper

105 100

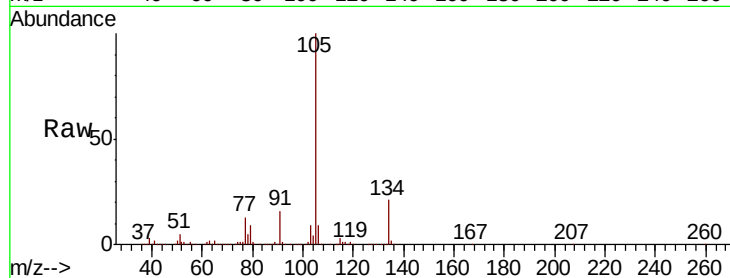
134 20.7 0.0 39.4

Manual Integrations

APPROVED

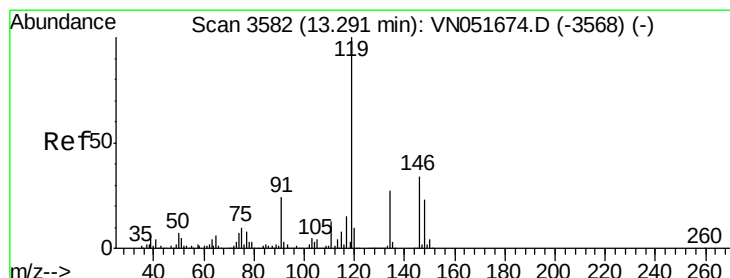
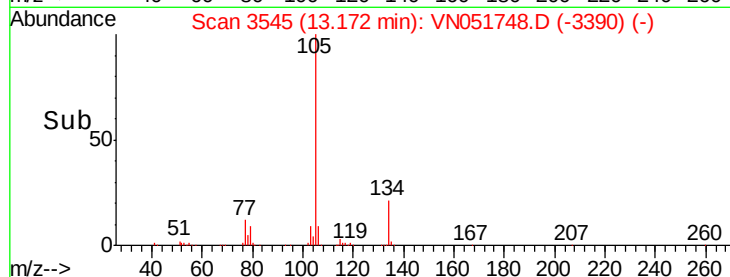
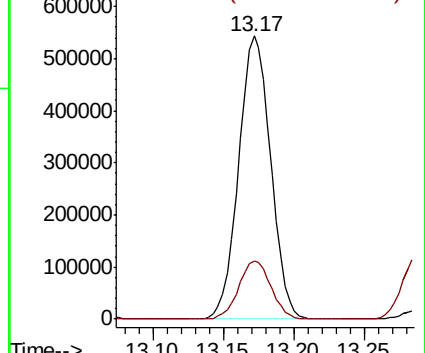
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 23.202 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

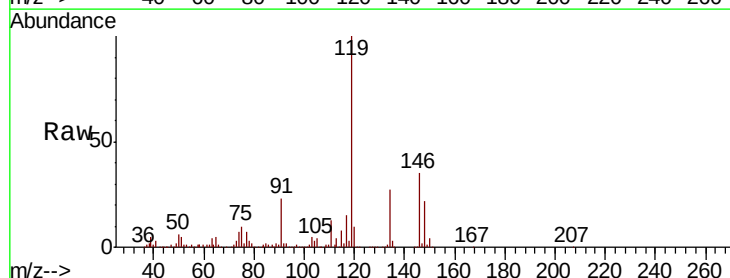
Tgt Ion:119 Resp: 770397

Ion Ratio Lower Upper

119 100

134 26.8 0.0 53.6

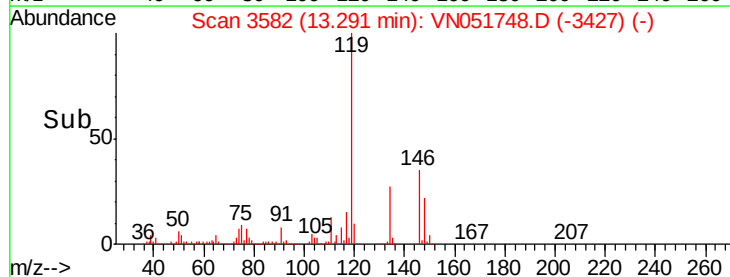
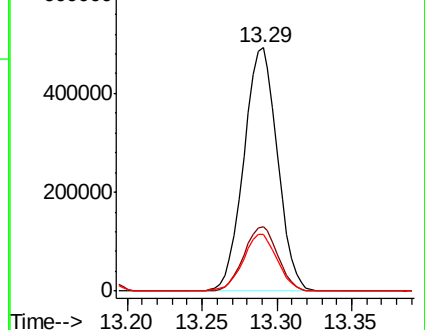
91 23.7 0.0 52.0

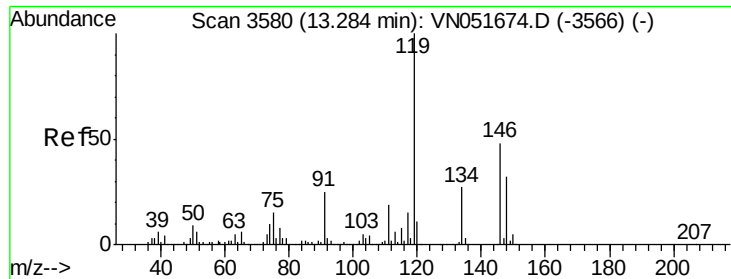


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





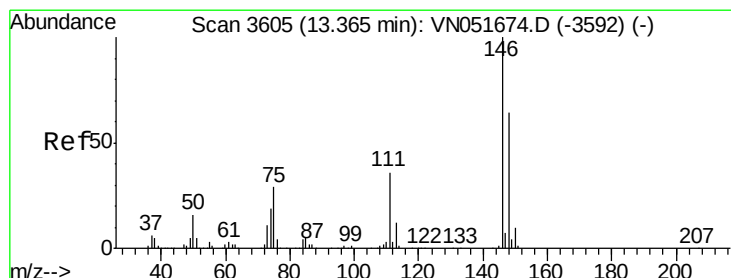
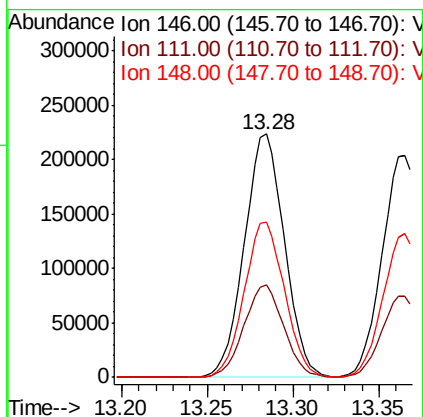
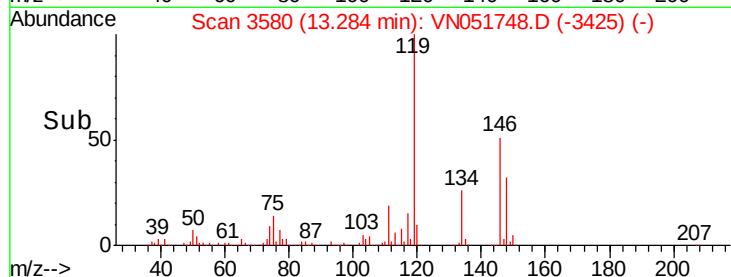
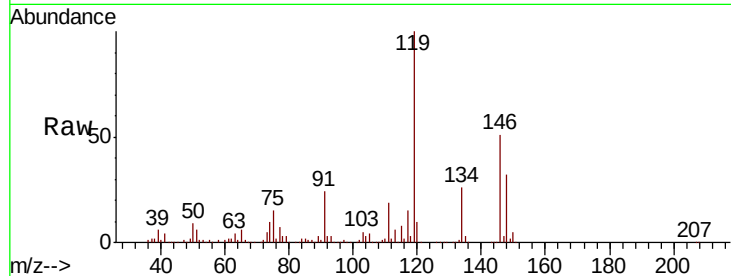
#83
 1,3-Dichlorobenzene
 Concen: 22.846 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.3
148	63.9	31.3	93.8

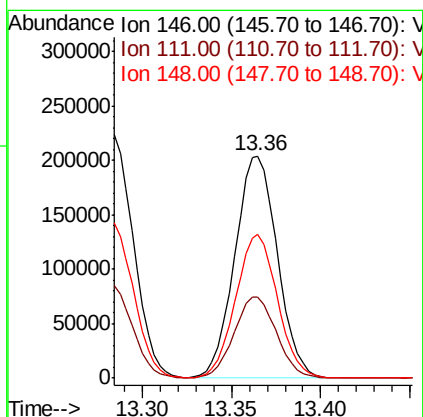
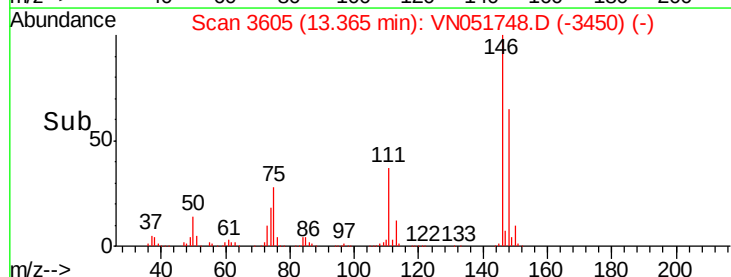
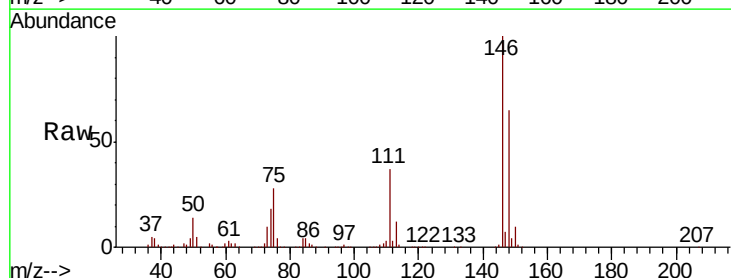
Manual Integrations
 APPROVED

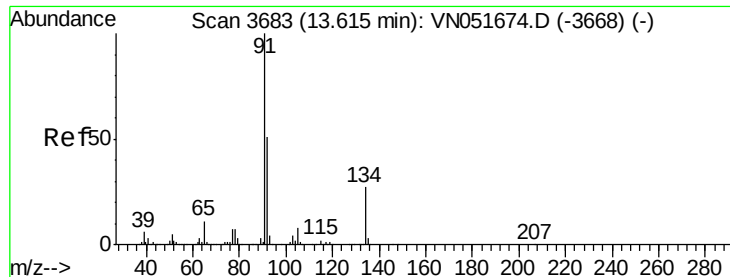
MMDadoda
 10/17/2018 4:53:25 PM



#84
 1,4-Dichlorobenzene
 Concen: 22.313 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.4	52.2
148	63.7	32.8	98.3





#85

n-Butylbenzene

Concen: 22.160 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Instrument :

MSVOA_N

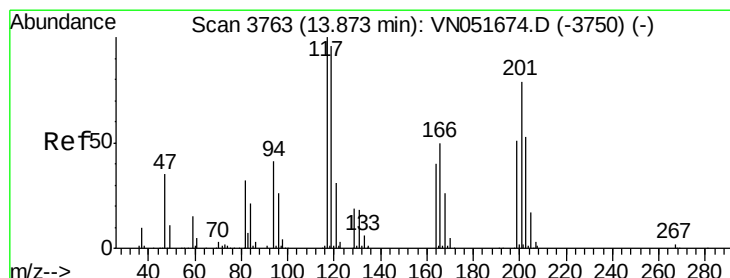
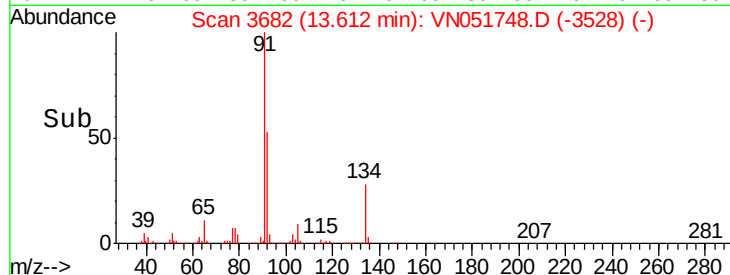
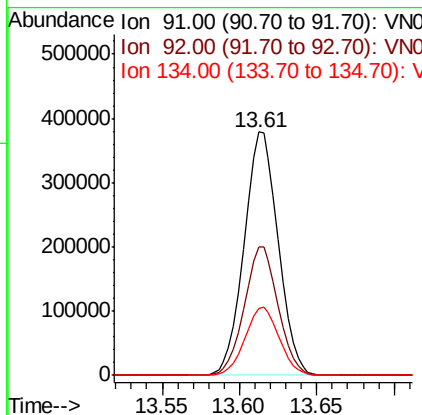
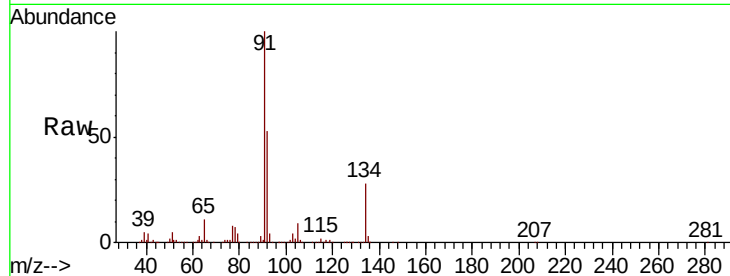
ClientSampleId :

VN1009WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		581591		
92	52.2	0.0	97.4		
134	28.0	0.0	49.6		

Manual Integrations
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#86

Hexachloroethane

Concen: 20.728 ug/l

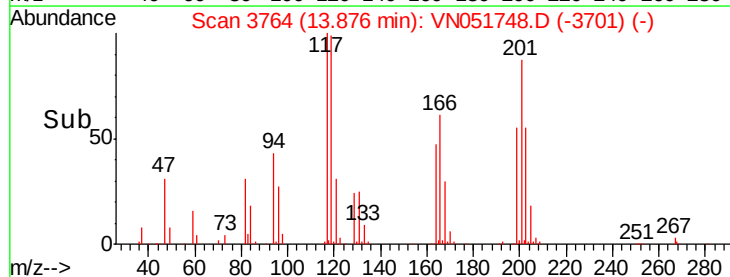
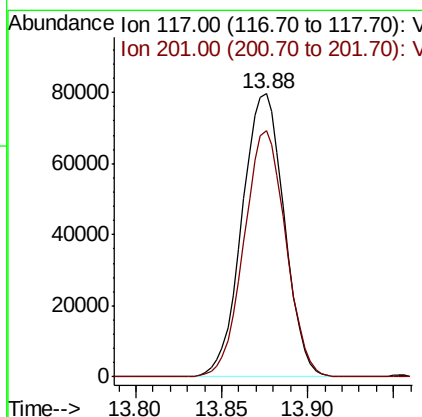
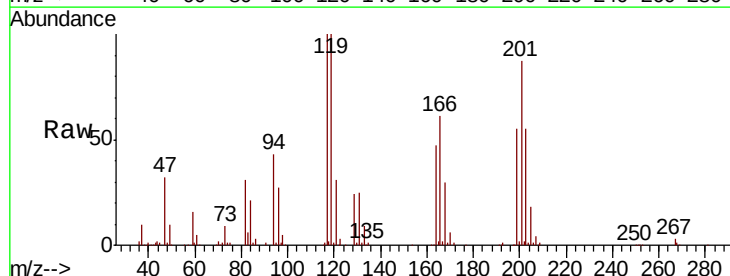
RT: 13.88 min Scan# 3764

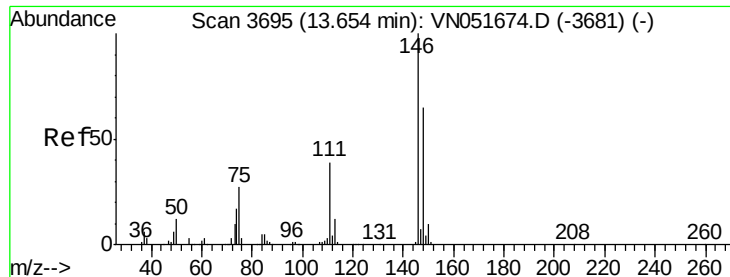
Delta R.T. 0.00 min

Lab File: VN051748.D

Acq: 9 Oct 2018 13:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		136176		
201	85.7	47.8	143.3		





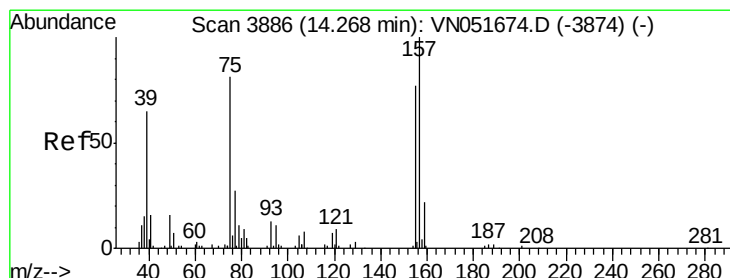
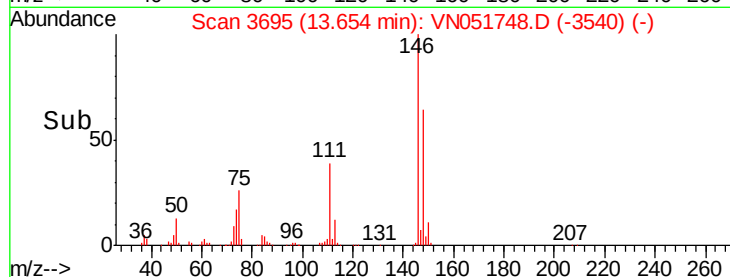
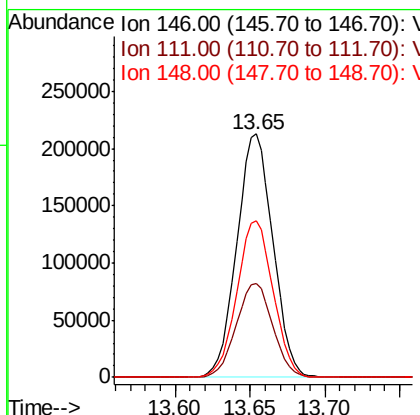
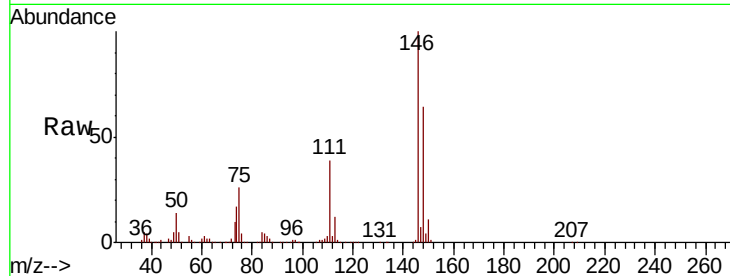
#87
 1,2-Dichlorobenzene
 Concen: 22.965 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.8	62.2
148	64.5	33.2	99.6

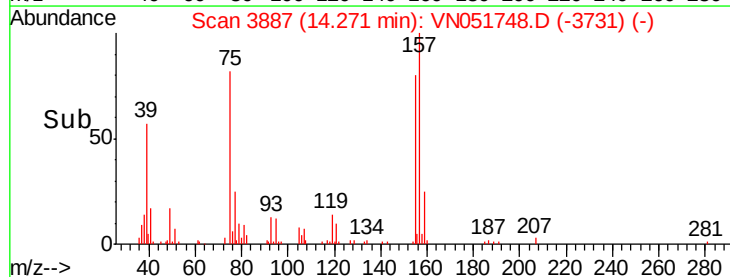
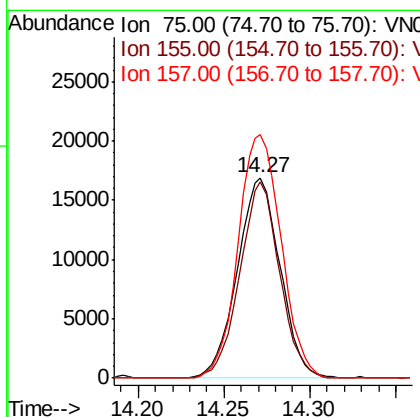
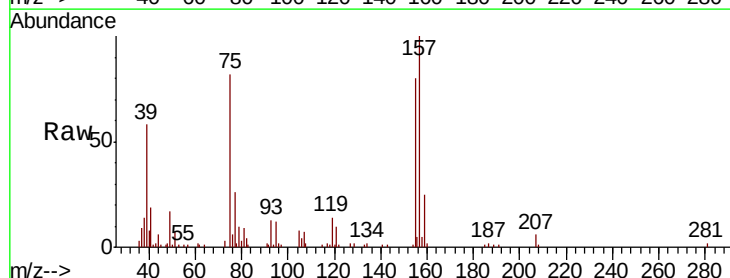
Manual Integrations
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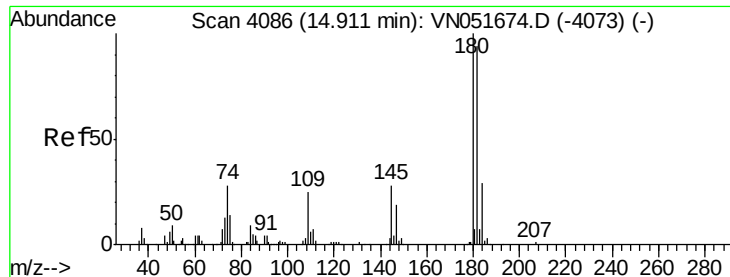
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.062 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	57.0	85.6#
157	121.8	87.4	131.0





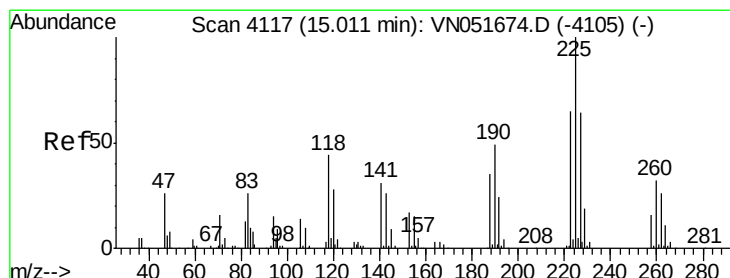
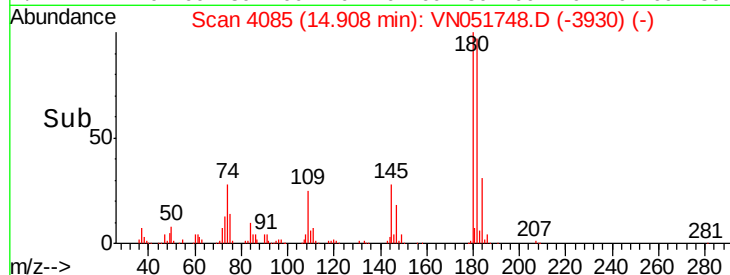
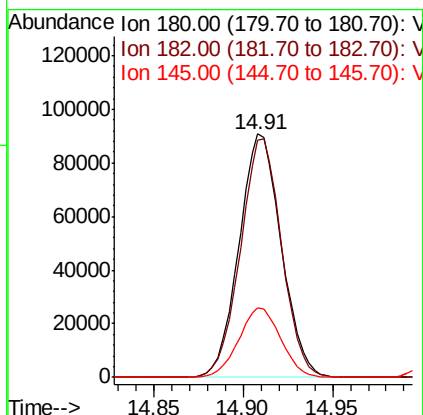
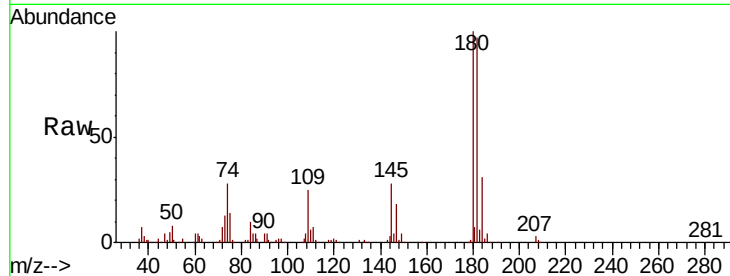
#89
 1,2,4-Trichlorobenzene
 Concen: 22.607 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.7	116.5
145	28.5	23.4	35.2

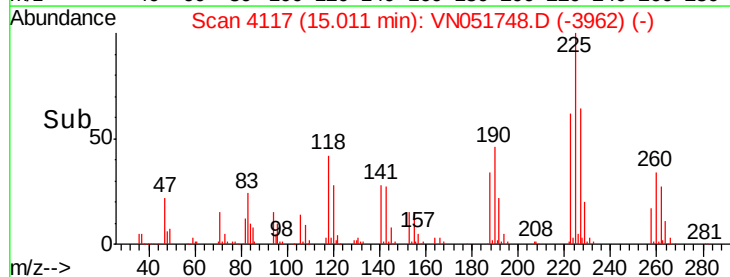
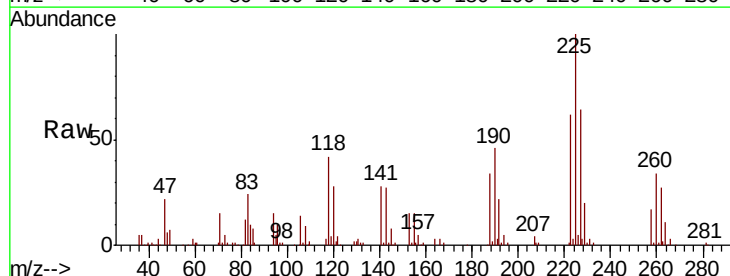
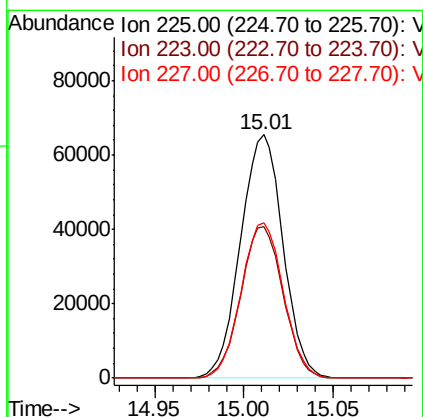
Manual Integrations
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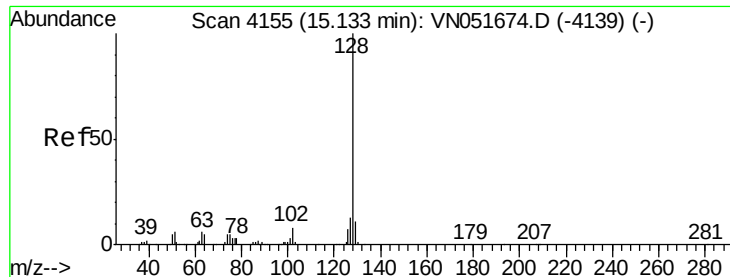
MMDadoda
 10/17/2018 4:53:25 PM



#90
 Hexachlorobutadiene
 Concen: 23.001 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051748.D
 Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	117.0
227	63.5	0.0	127.0





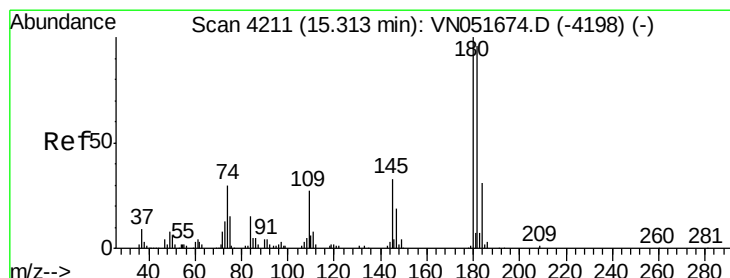
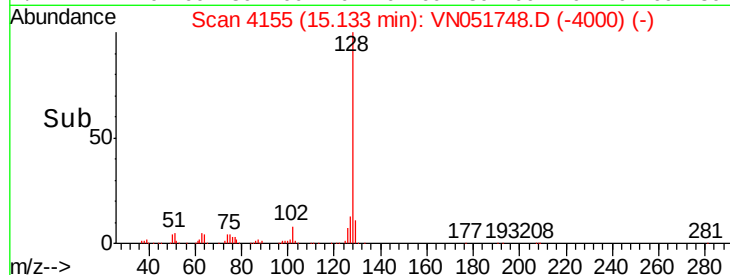
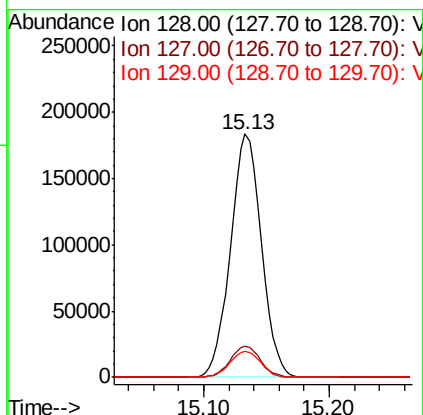
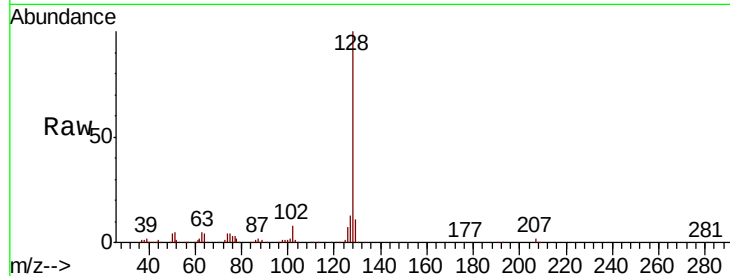
#91
Naphthalene
Concen: 21.404 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.8	8.4	12.6

Manual Integrations
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10/17/2018 4:53:25 PM



#92
1,2,3-Trichlorobenzene
Concen: 22.833 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051748.D
Acq: 9 Oct 2018 13:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	0.0	198.0
145	32.1	0.0	36.8

