

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051828.D
 Acq On : 12 Oct 2018 11:41
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:27:52 AM

Quant Time: Oct 12 16:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	139403	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	800129	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	702208	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	259000	30.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.77%
60) 4-Bromofluorobenzene	12.40	95	294832	29.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.07%
63) Toluene-d8	10.09	98	919541	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	107649	19.88	ug/l	99
3) Chloromethane	2.06	50	118925	20.78	ug/l	97
4) Vinyl Chloride	2.18	62	179315	20.98	ug/l	100
5) Bromomethane	2.57	94	165248	21.88	ug/l	88
6) Chloroethane	2.70	64	131787	21.39	ug/l	99
7) Trichlorofluoromethane	3.01	101	270033	22.16	ug/l	94
8) Diethyl Ether	3.41	74	74573	21.02	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151395	21.81	ug/l #	42
10) 1,1-Dichloroethene	3.73	96	134450	20.95	ug/l	86
11) Methyl Iodide	3.95	142	172465	18.48	ug/l	96
12) Methyl Acetate	4.33	43	82284	20.65	ug/l	97
13) Acrolein	3.61	56	23061	87.82	ug/l	92
14) Acrylonitrile	5.00	53	182544	102.48	ug/l #	63
15) Acetone	3.82	58	45928	104.30	ug/l	91
16) Carbon Disulfide	4.05	76	342132	20.30	ug/l	97
17) Allyl chloride	4.32	41	155480	20.40	ug/l	75
18) Methylene Chloride	4.55	84	147804	20.60	ug/l	89
19) trans-1,2-Dichloroethene	5.04	96	150674	20.56	ug/l #	82
20) Diisopropyl ether	5.95	45	350438	20.65	ug/l #	87
21) 1,1-Dichloroethane	5.85	63	241572	20.37	ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	175999	20.45	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	46462m	99.04	ug/l	
24) Methyl tert-Butyl Ether	5.04	73	386641m	20.91	ug/l	
25) Chloroform	7.37	83	289113	20.55	ug/l	98
26) Cyclohexane	7.65	56	209443	20.83	ug/l #	73
29) 1,1-Dichloropropene	7.79	75	207949	20.16	ug/l	95
30) 2-Butanone	6.84	43	211417	98.07	ug/l #	84
31) 2,2-Dichloropropane	6.82	77	248337	20.47	ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	272726	19.95	ug/l	95
33) Carbon Tetrachloride	7.77	117	241046	19.48	ug/l	94
34) Benzene	8.04	78	608703	19.95	ug/l #	66
35) Methacrylonitrile	7.20	41	65699m	23.20	ug/l	
36) 1,2-Dichloroethane	8.12	62	199433	20.40	ug/l	98
37) Trichloroethene	8.83	130	187590	19.81	ug/l	96
38) Methylcyclohexane	9.08	83	269051	20.34	ug/l	79
39) 1,2-Dichloropropane	9.12	63	142951	19.90	ug/l	94
40) Dibromomethane	9.21	93	103641	19.44	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	214187	19.45	ug/l	93
42) Vinyl Acetate	5.90	43	1207808	99.53	ug/l #	90
43) Ethyl Acetate	6.93	43	91926	19.64	ug/l	99
44) Isopropyl Acetate	8.17	43	183169	19.59	ug/l	91
45) 1,4-Dioxane	9.20	88	31298	416.91	ug/l #	72
46) Methyl methacrylate	9.20	41	85019	19.71	ug/l	78
47) n-amyl Acetate	12.07	43	143822	18.38	ug/l #	74
48) t-1,3-Dichloropropene	10.38	75	200736	18.69	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	229712	19.40	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	143517	19.48	ug/l	96
51) Ethyl methacrylate	10.43	69	164300	19.48	ug/l	85
52) 1,3-Dichloropropane	10.71	76	222831	19.60	ug/l	98
53) Dibromochloromethane	10.90	129	167670	18.40	ug/l	96
54) 1,2-Dibromoethane	11.01	107	146358	18.93	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	364491	101.08	ug/l #	93
56) Bromoform	12.13	173	101389	16.87	ug/l #	93
58) 4-Methyl-2-Pentanone	9.98	43	487838	103.81	ug/l #	89
59) 2-Hexanone	10.75	43	324687	102.42	ug/l #	91
61) Tetrachloroethene	10.63	164	180010	20.05	ug/l	95
62) Toluene	10.16	91	712772	20.43	ug/l	98
64) Chlorobenzene	11.43	112	455883	19.95	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	174843	19.94	ug/l	99
66) Ethyl Benzene	11.51	91	785160	20.36	ug/l	98
67) m/p-Xylenes	11.62	106	627700	40.16	ug/l	96
68) o-Xylene	11.95	106	303437	19.69	ug/l	90
69) Styrene	11.96	104	458081	19.38	ug/l	97
70) Isopropylbenzene	12.25	105	826585	20.12	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	163205	20.11	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	117998m	18.48	ug/l	
73) Bromobenzene	12.53	156	197077	19.36	ug/l	83
74) n-propylbenzene	12.59	91	881370	19.94	ug/l	95
75) 2-Chlorotoluene	12.67	91	515217	19.88	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	671406	19.76	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36533	17.30	ug/l	99
78) 4-Chlorotoluene	12.77	91	495316	19.45	ug/l	92
79) tert-butylbenzene	12.99	119	610285	19.53	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	670082	19.73	ug/l	98
81) sec-Butylbenzene	13.17	105	816505	19.97	ug/l	98
82) p-Isopropyltoluene	13.29	119	705858	19.30	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	337018	18.77	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	314746	18.62	ug/l	98
85) n-Butylbenzene	13.62	91	546606	19.82	ug/l	95
86) Hexachloroethane	13.88	117	118464	18.78	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	334185	19.22	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22450	18.53	ug/l #	77
89) 1,2,4-Trichlorobenzene	14.91	180	140013	19.93	ug/l	99
90) Hexachlorobutadiene	15.01	225	111461	19.89	ug/l	97
91) Naphthalene	15.13	128	267574	19.78	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	145412	18.38	ug/l	93

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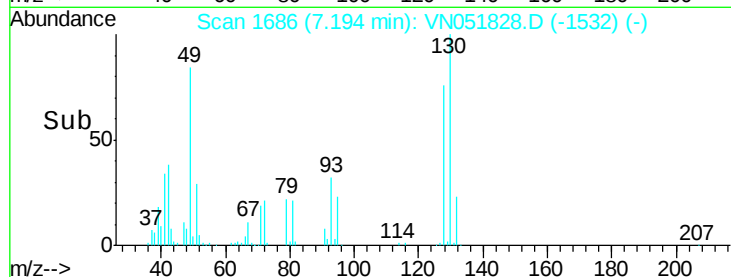
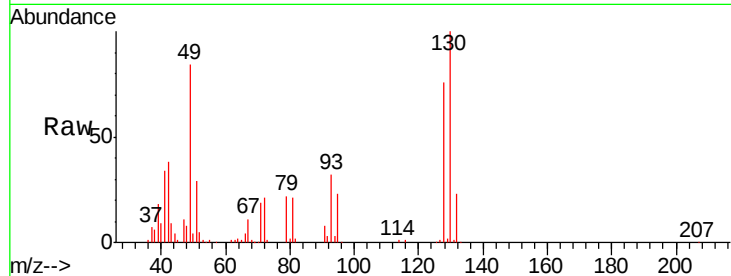
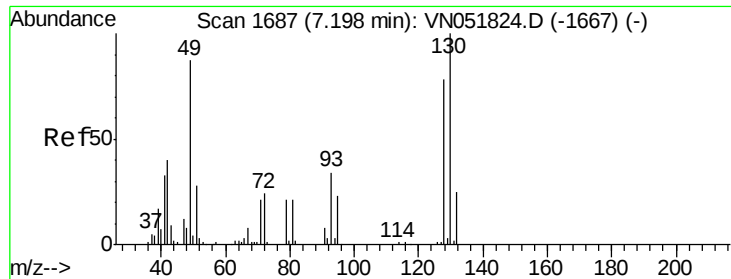
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Tgt Ion:	128	Resp:	139403
Ion	Ratio	Lower	Upper
128	100		
49	114.2	0.0	403.3
130	131.0	0.0	326.0

Instrument :

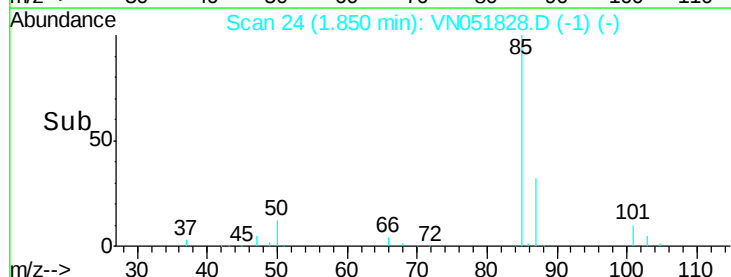
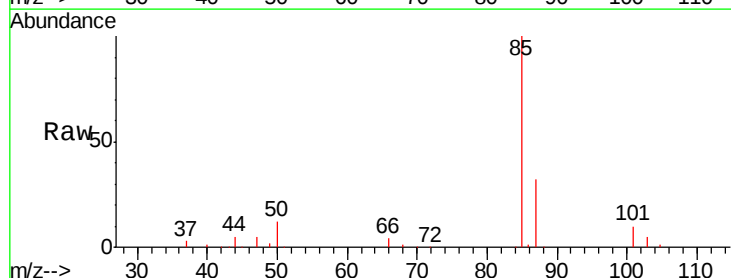
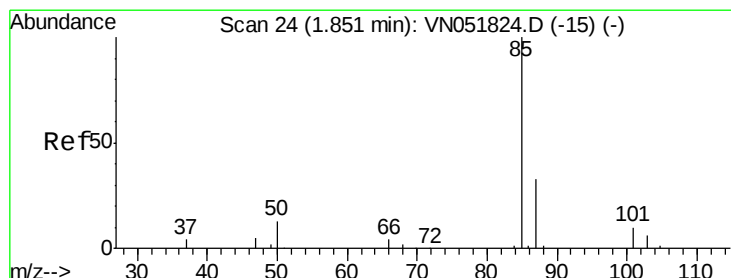
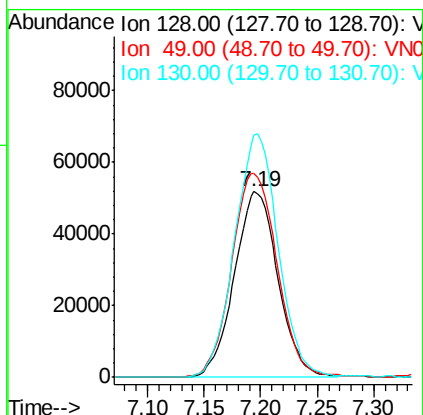
MSVOA_N

ClientSampleId :

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#2

Dichlorodifluoromethane

Concen: 19.88 ug/l

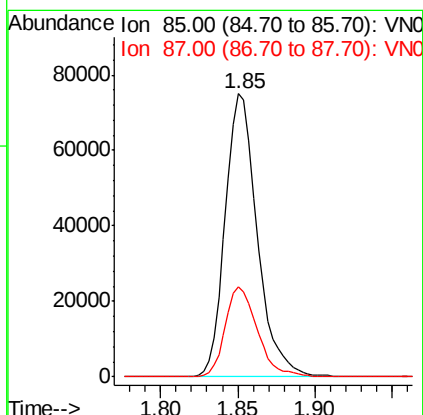
RT: 1.85 min Scan# 24

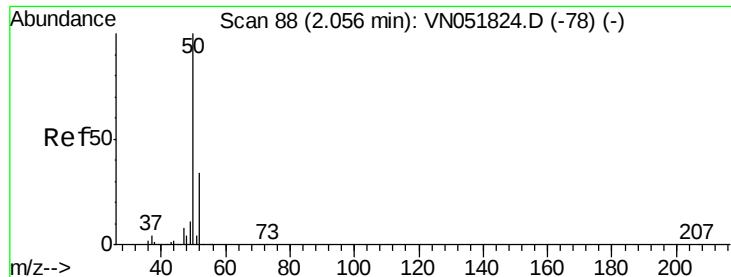
Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Tgt Ion:	85	Resp:	107649
Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.3	48.8





#3

Chloromethane

Concen: 20.78 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101218

Tgt Ion: 50 Resp: 118925

Ion Ratio Lower Upper

50 100

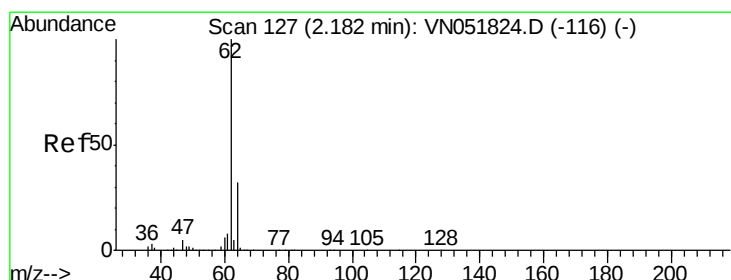
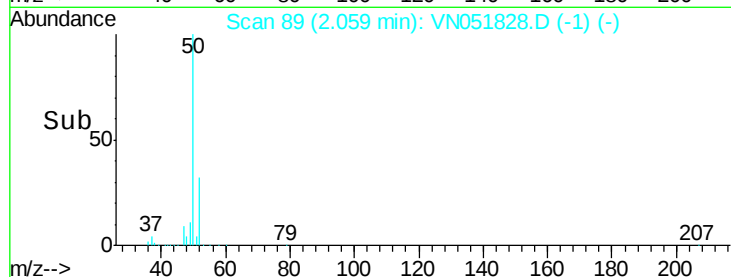
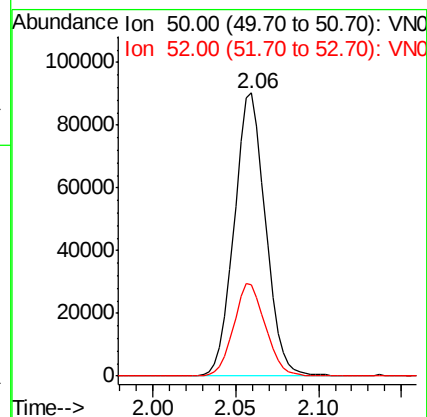
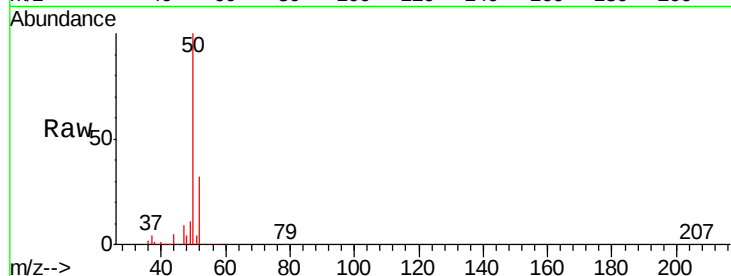
52 32.2 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.98 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051828.D

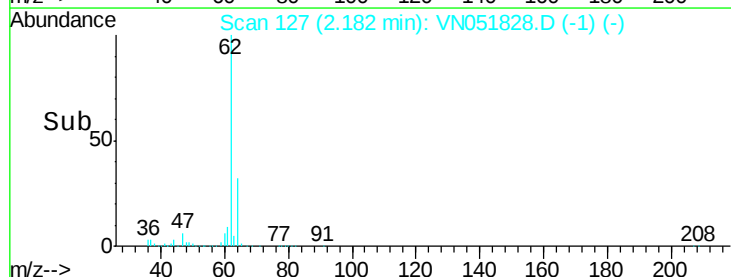
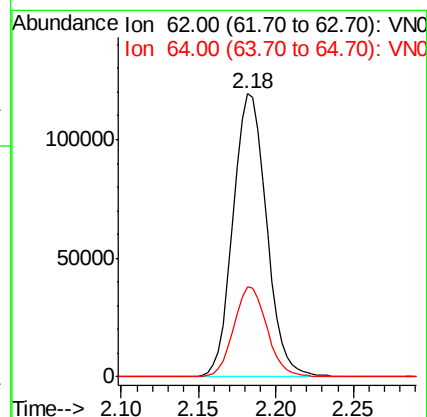
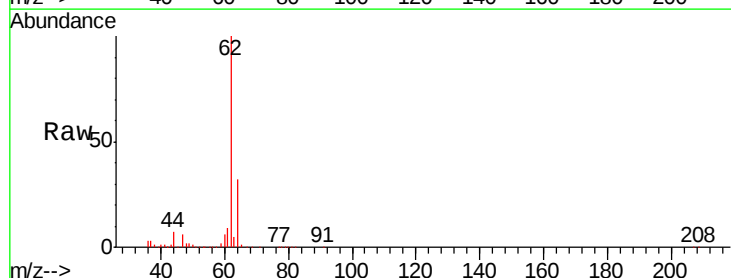
Acq: 12 Oct 2018 11:41

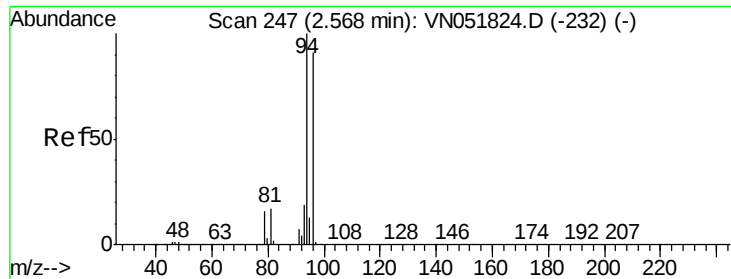
Tgt Ion: 62 Resp: 179315

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 21.88 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101218

Tgt Ion: 94 Resp: 165248

Ion Ratio Lower Upper

94 100

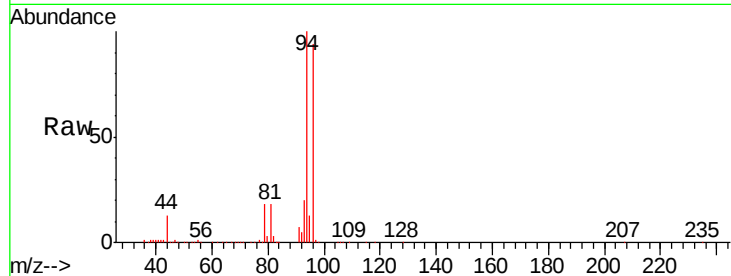
96 93.8 66.4 99.6

Manual Integrations

APPROVED

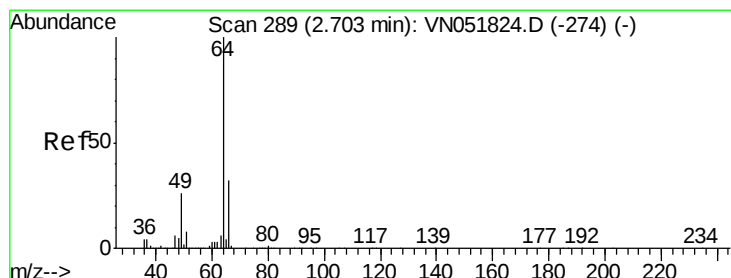
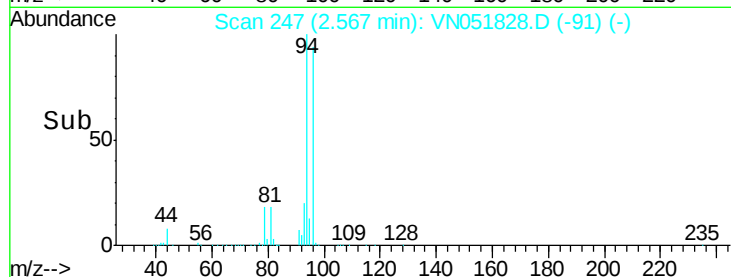
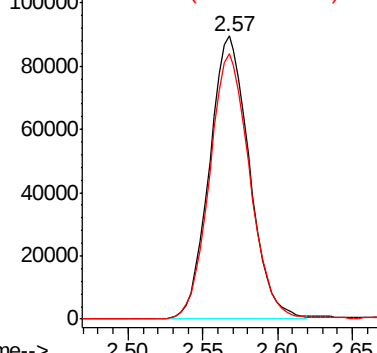
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.39 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051828.D

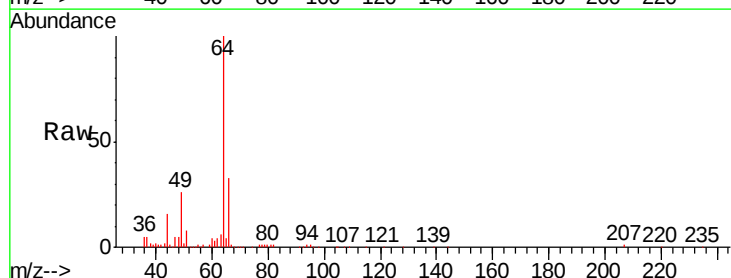
Acq: 12 Oct 2018 11:41

Tgt Ion: 64 Resp: 131787

Ion Ratio Lower Upper

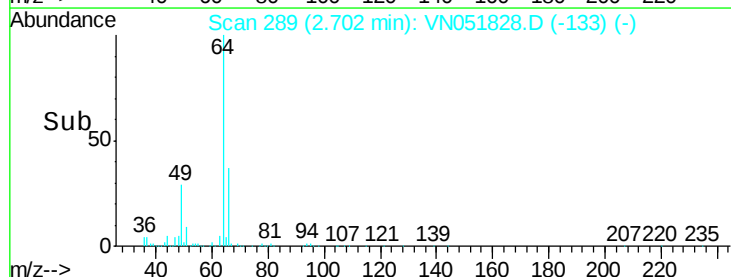
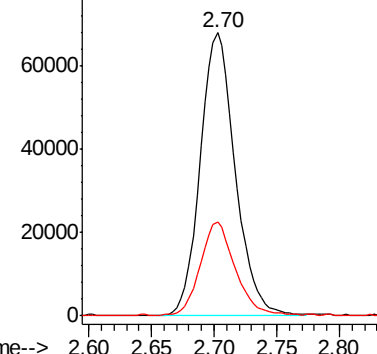
64 100

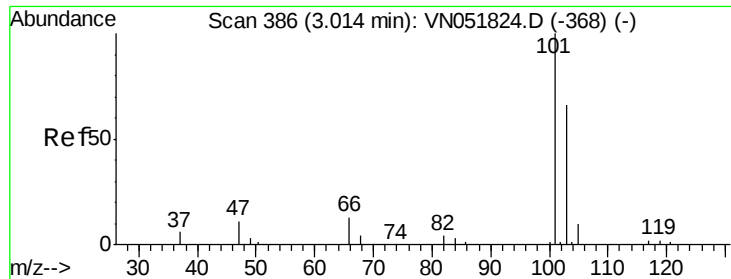
66 32.9 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

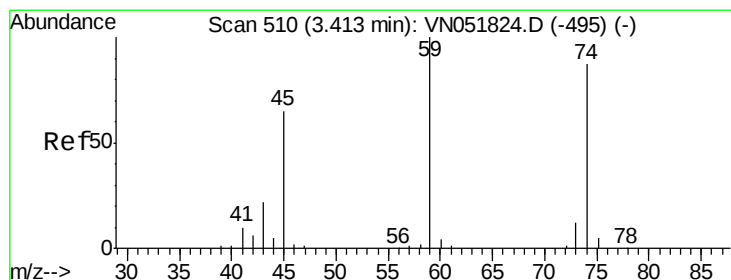
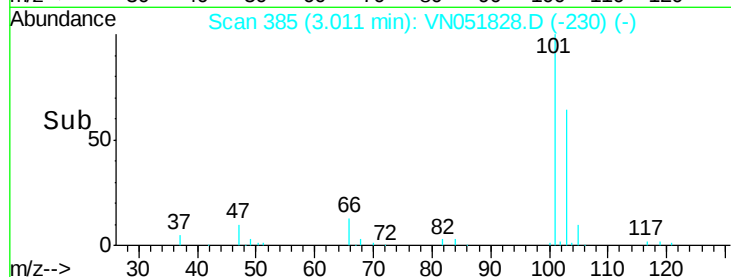
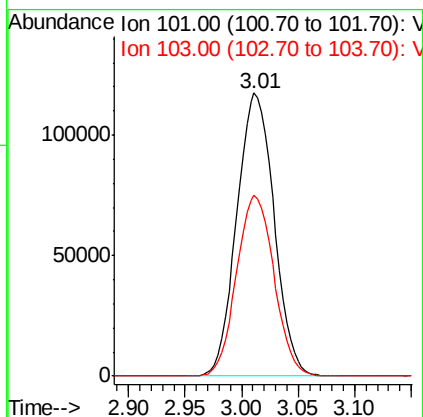
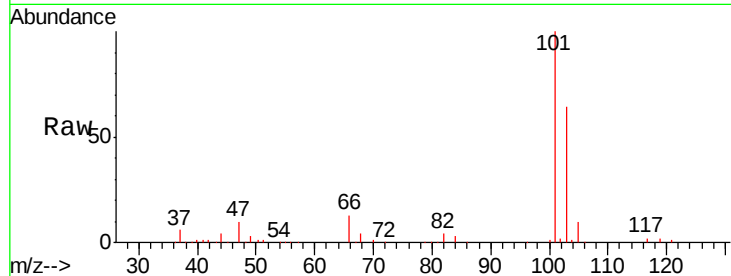
Trichlorofluoromethane
 Concen: 22.16 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

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 ICVVN101218

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.7	54.8	82.2

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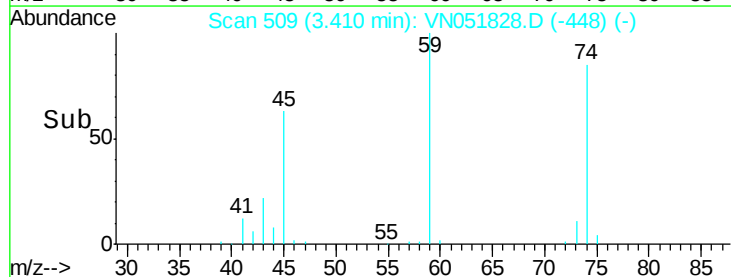
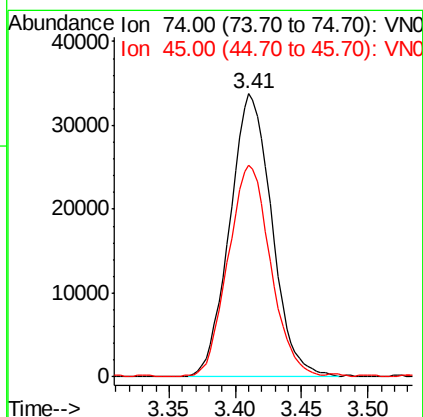
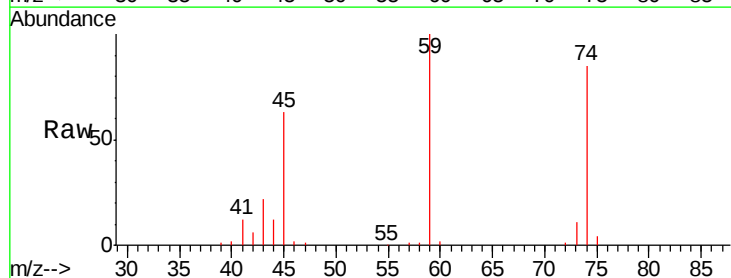
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 10/15/2018 11:27:52 AM

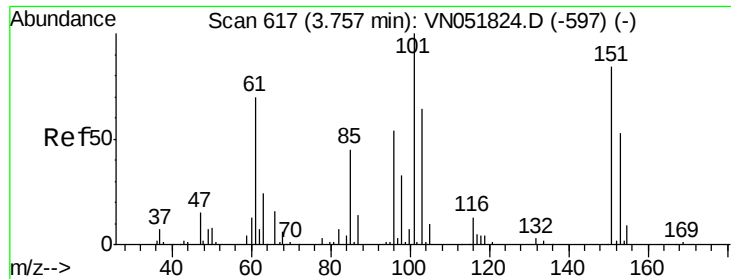


#8

Diethyl Ether
 Concen: 21.02 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.7	20.7	186.5





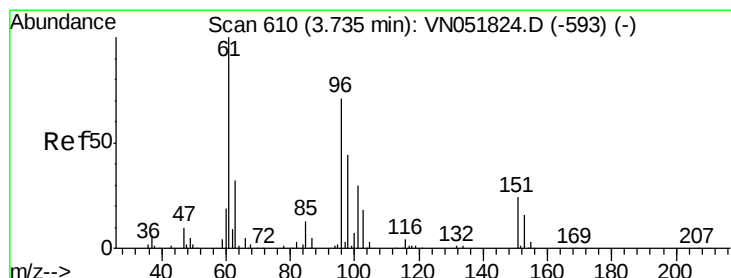
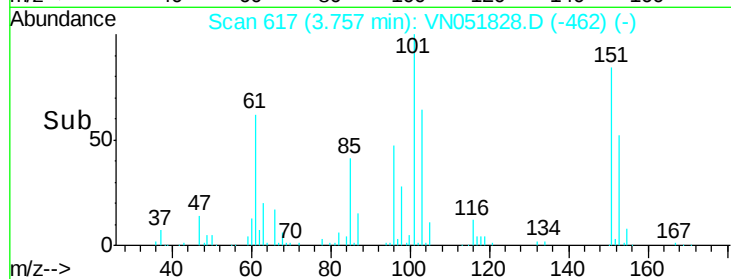
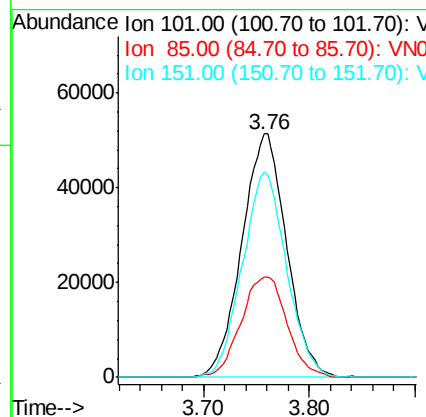
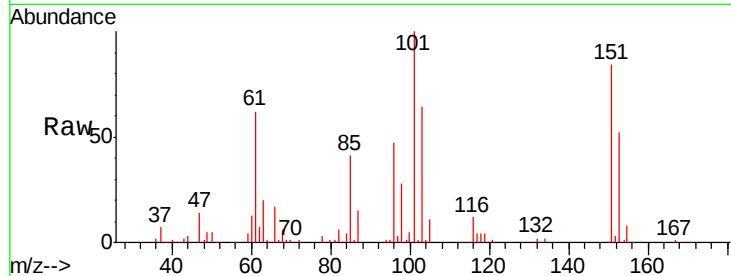
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.81 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

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 ICVVN101218

Tgt Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	42.5	0.0	46.0
151	83.5	0.0	82.2#

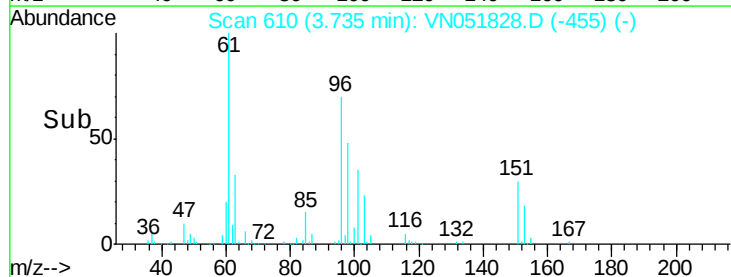
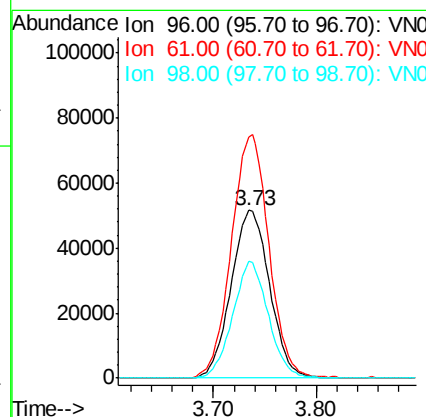
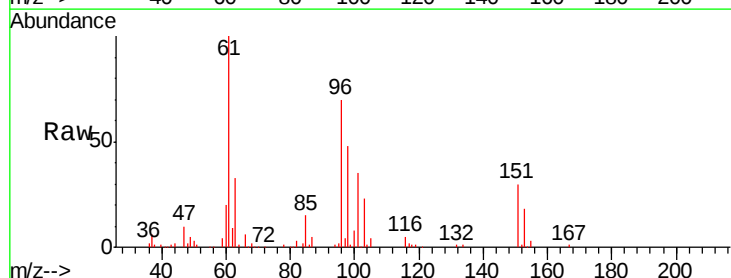
Manual Integrations
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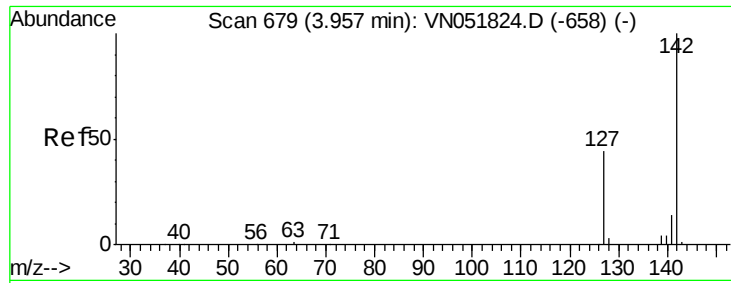
MMDadoda
 10/15/2018 11:27:52 AM



#10
 1,1-Dichloroethene
 Concen: 20.95 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	143.4	133.0	199.6
98	69.6	52.6	78.8





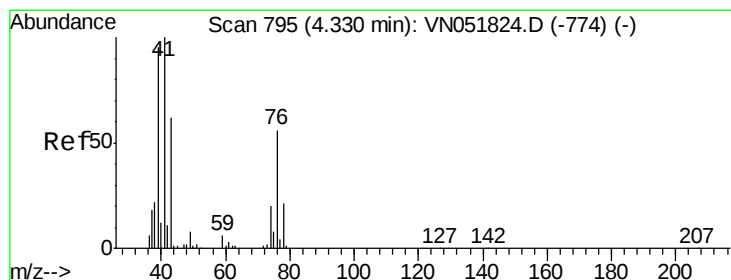
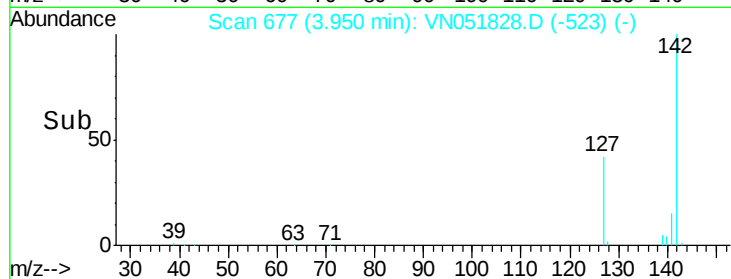
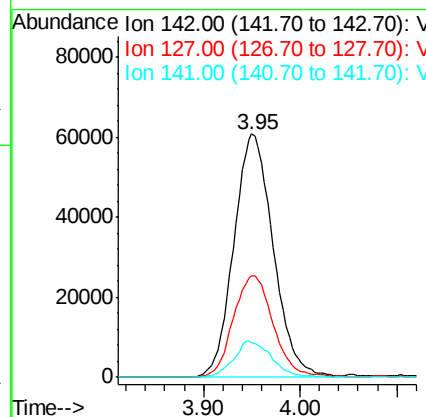
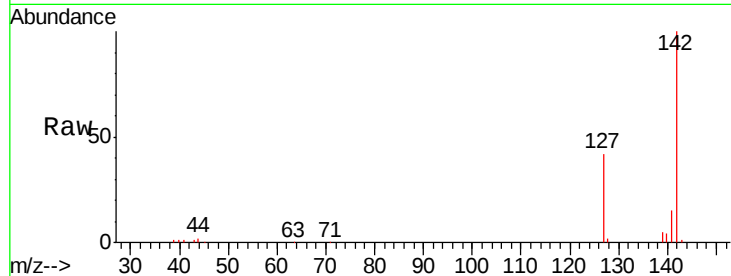
#11
Methyl Iodide
Concen: 18.48 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101218

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.7	19.7	59.0
141	14.6	6.3	18.9

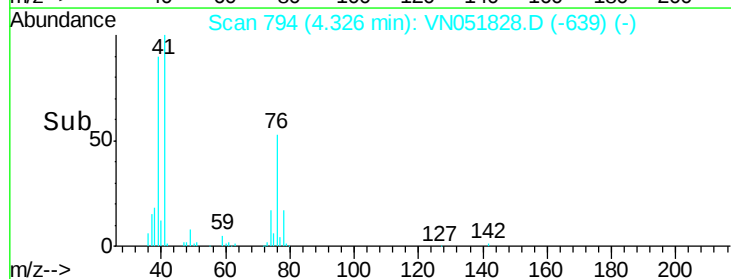
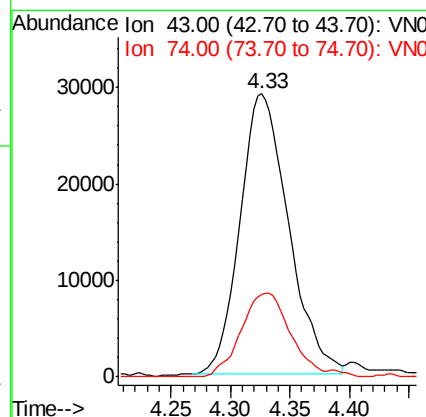
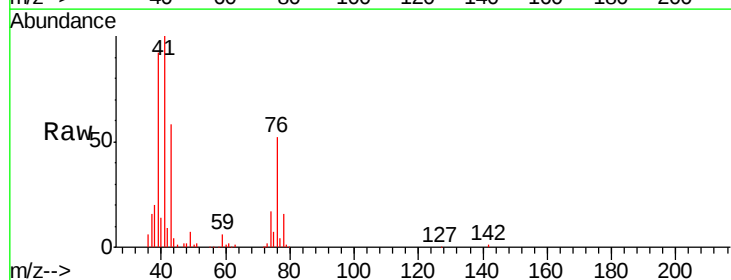
Manual Integrations
APPROVED

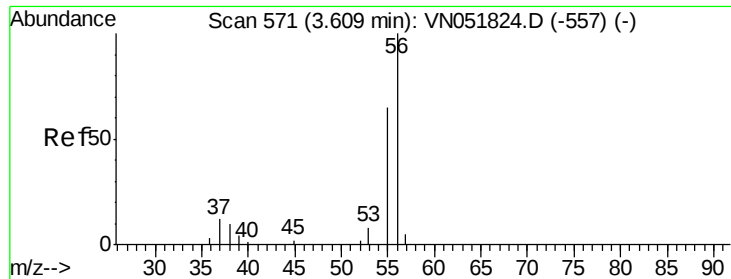
MMDadoda
10/15/2018 11:27:52 AM



#12
Methyl Acetate
Concen: 20.65 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.0	21.8	32.6





#13

Acrolein

Concen: 87.82 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101218

Tgt Ion: 56 Resp: 23061

Ion Ratio Lower Upper

56 100

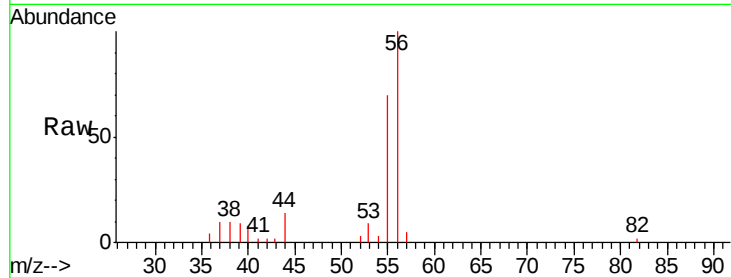
55 73.3 64.0 96.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

8000

6000

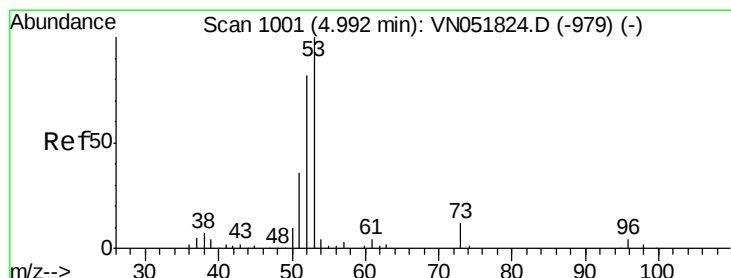
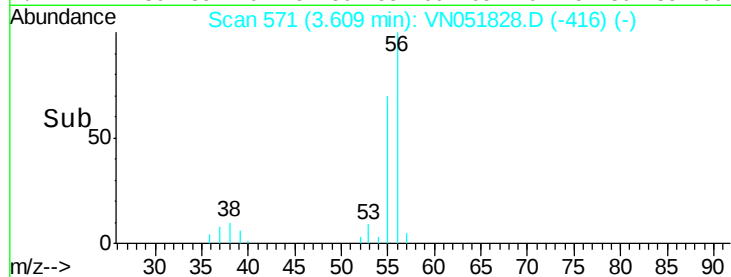
4000

2000

0

3.55 3.60 3.65 3.70

Time-->



#14

Acrylonitrile

Concen: 102.48 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

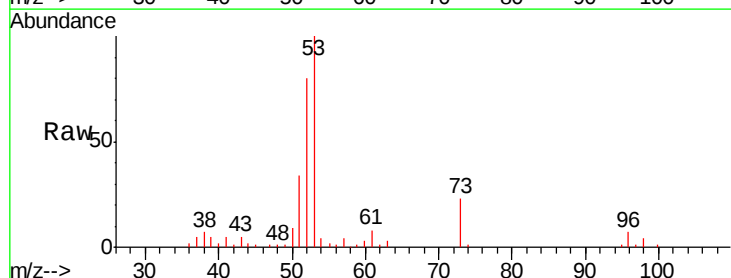
Tgt Ion: 53 Resp: 182544

Ion Ratio Lower Upper

53 100

52 80.1 18.3 54.8#

51 37.0 19.7 59.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

5.00

60000

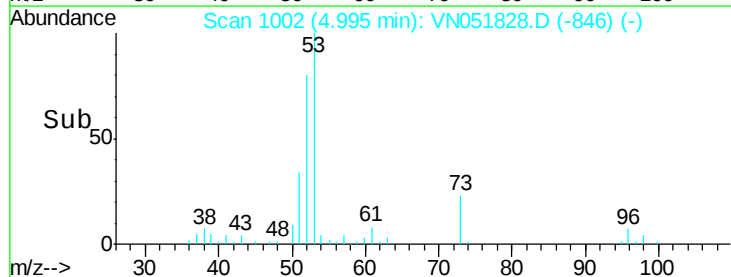
40000

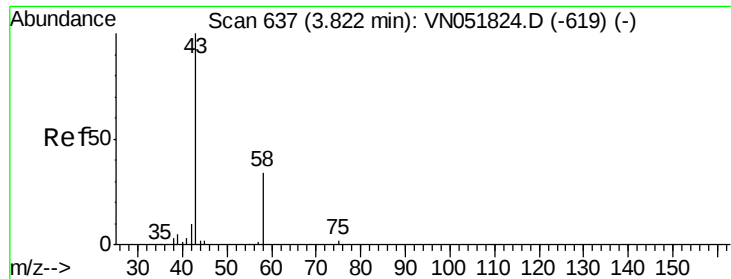
20000

0

4.90 5.00 5.10

Time-->





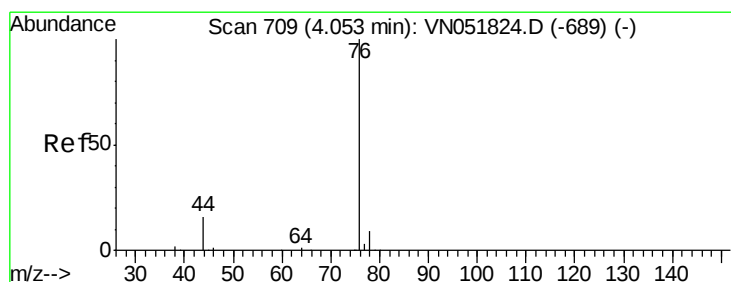
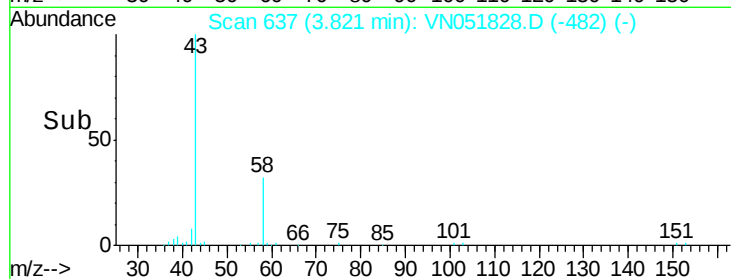
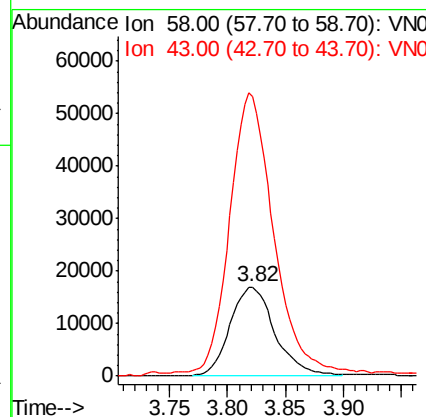
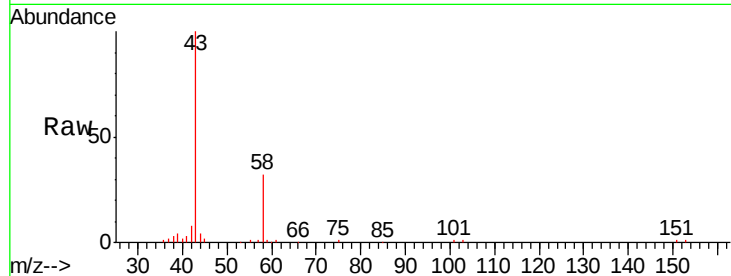
#15
Acetone
Concen: 104.30 ug/l
RT: 3.82 min Scan# 637
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVFN101218

Tgt Ion: 58 Resp: 45928
Ion Ratio Lower Upper
58 100
43 307.8 232.2 348.2

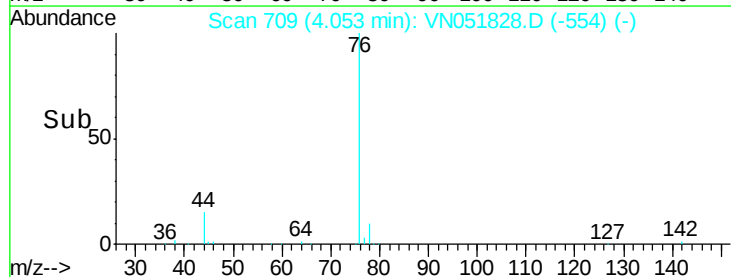
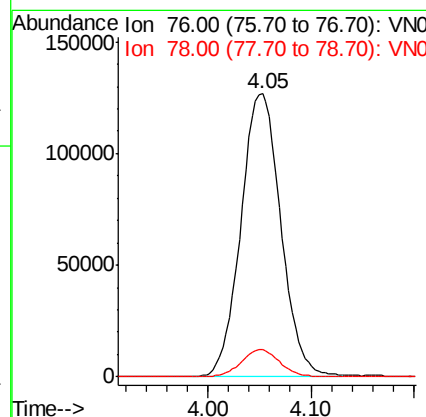
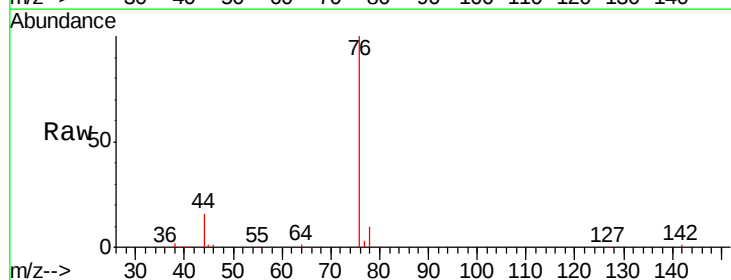
Manual Integrations
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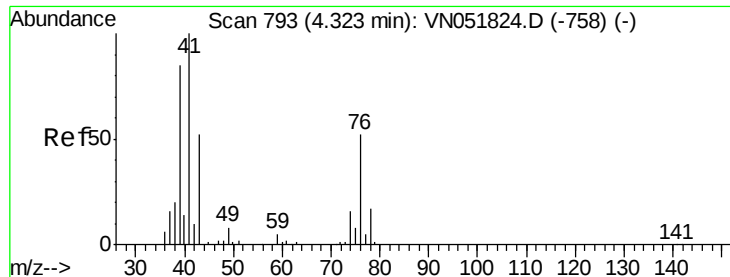
MMDadoda
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#16
Carbon Disulfide
Concen: 20.30 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion: 76 Resp: 342132
Ion Ratio Lower Upper
76 100
78 9.5 6.7 10.1





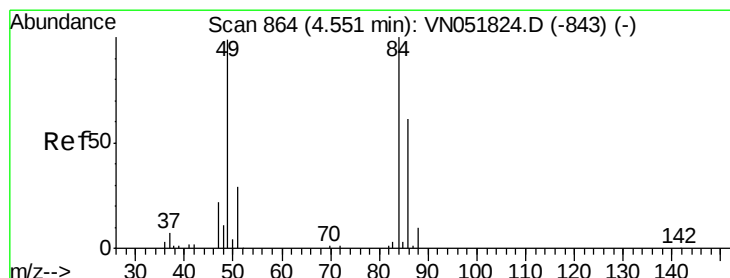
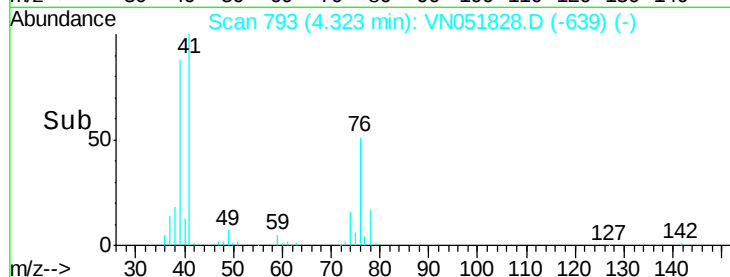
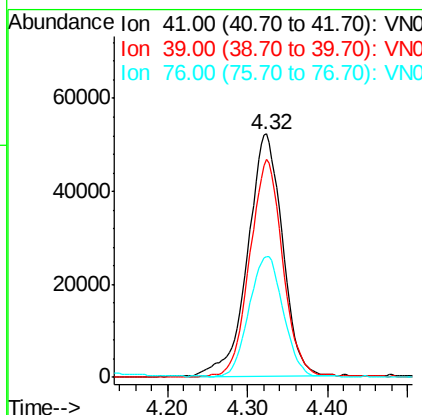
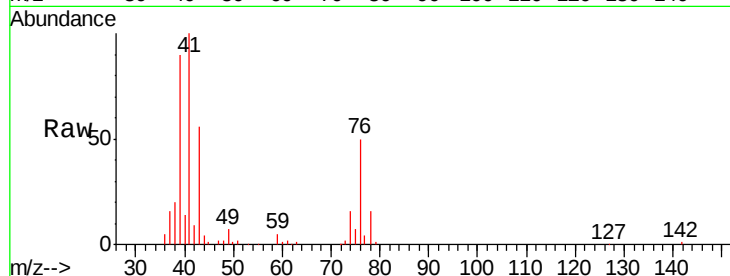
#17
 Allyl chloride
 Concen: 20.40 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion	Ratio	Lower	Upper
41	100		
39	90.3	32.6	97.8
76	49.6	20.2	60.5

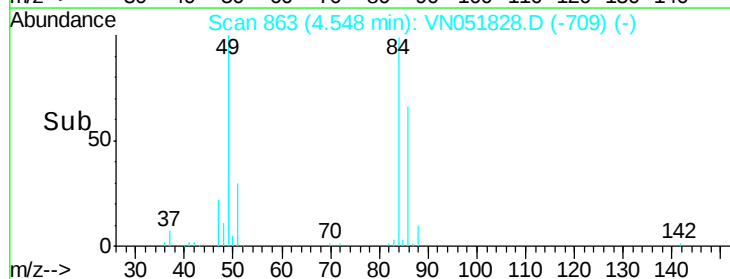
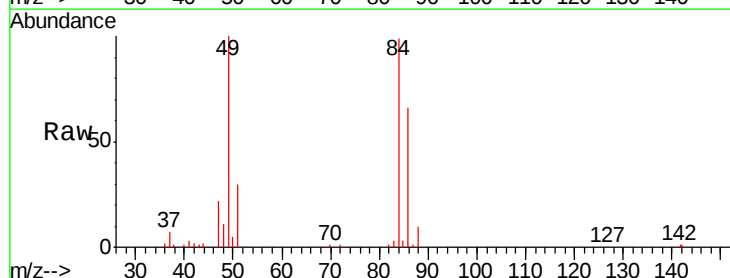
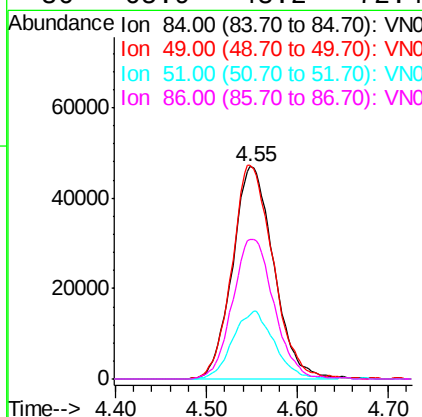
Manual Integrations
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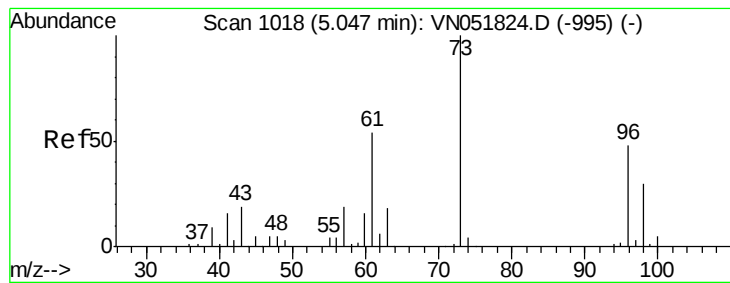
MMDadoda
 10/15/2018 11:27:52 AM



#18
 Methylene Chloride
 Concen: 20.60 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	100.5	91.6	137.4
51	30.4	29.8	44.6
86	65.9	48.2	72.4





#19

trans-1,2-Dichloroethene

Concen: 20.56 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

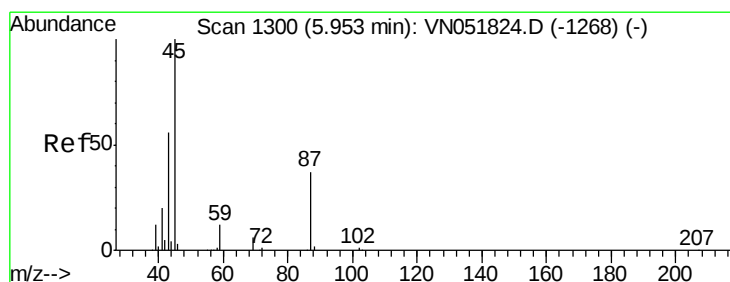
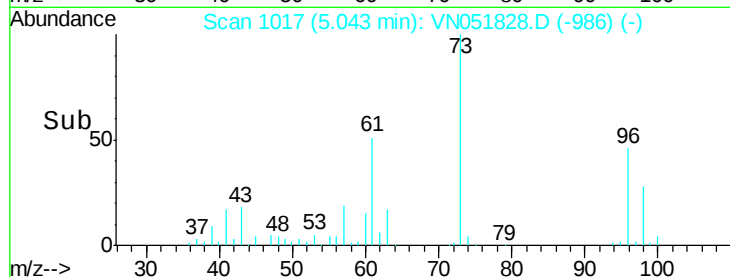
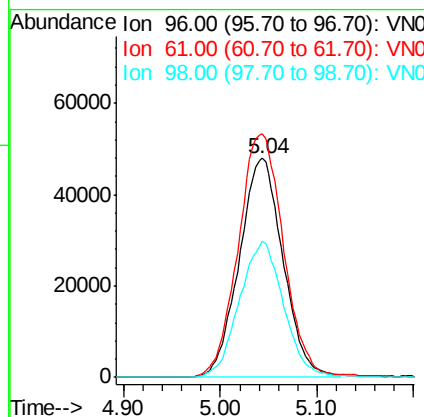
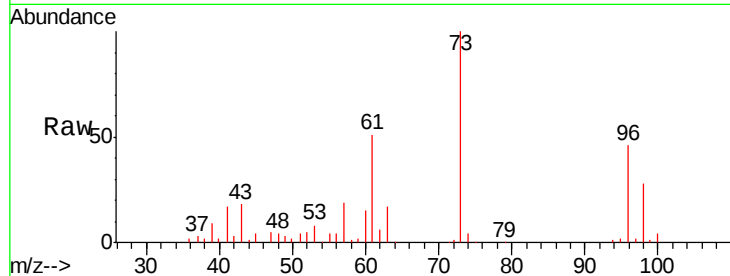
ClientSampleId :

ICVFN101218

Tgt Ion:	96	Resp:	150674
Ion	Ratio	Lower	Upper
96	100		
61	111.0	112.3	168.5#
98	62.0	47.1	70.7

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#20

Diisopropyl ether

Concen: 20.65 ug/l

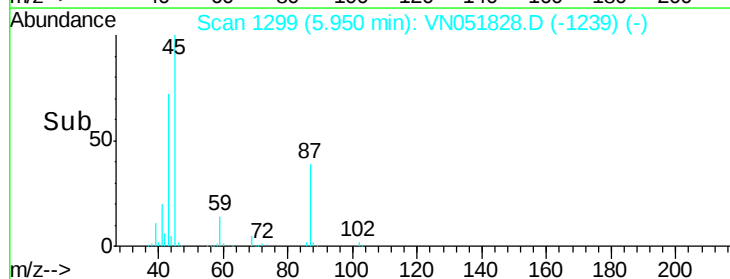
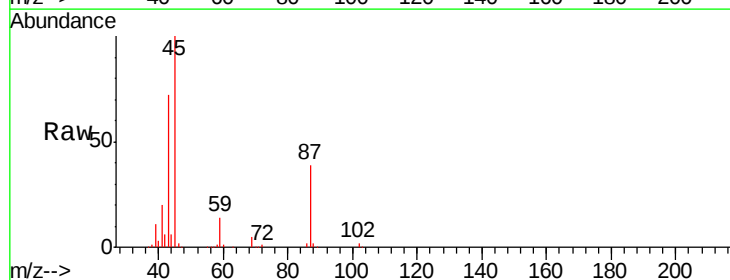
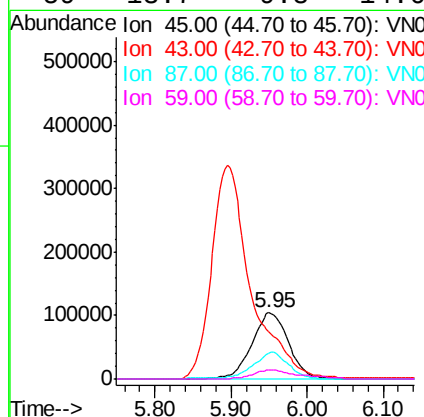
RT: 5.95 min Scan# 1299

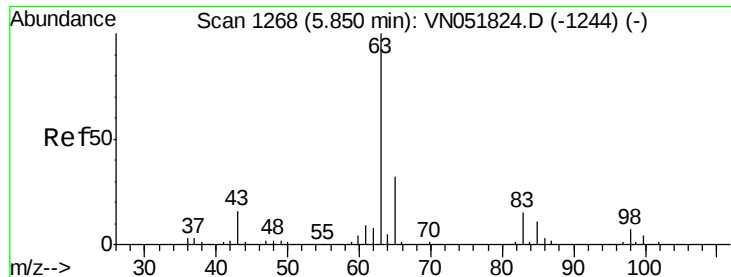
Delta R.T. -0.01 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Tgt Ion:	45	Resp:	350438
Ion	Ratio	Lower	Upper
45	100		
43	69.5	62.1	93.1
87	38.9	19.9	29.9#
59	13.7	9.8	14.6





#21

1,1-Dichloroethane

Concen: 20.37 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

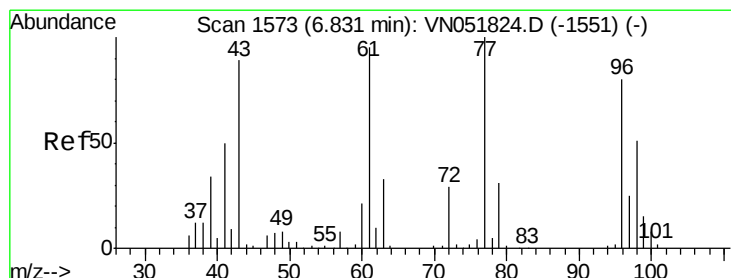
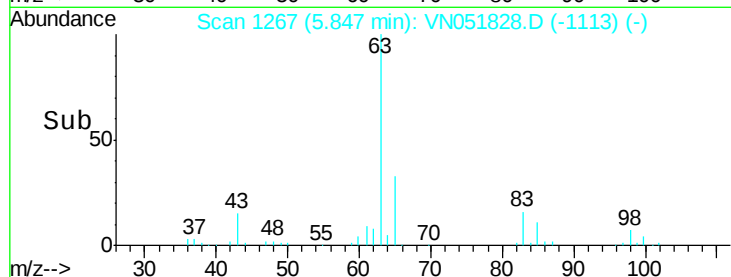
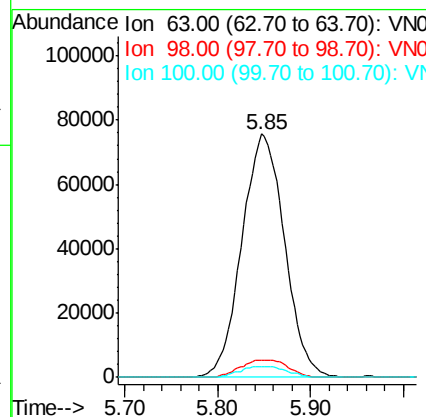
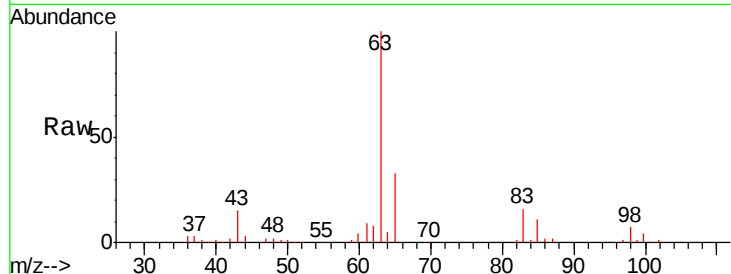
ClientSampleId :

ICVVN101218

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	4.1	12.3
100	4.3	1.6	4.7

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#22

cis-1,2-Dichloroethene

Concen: 20.45 ug/l

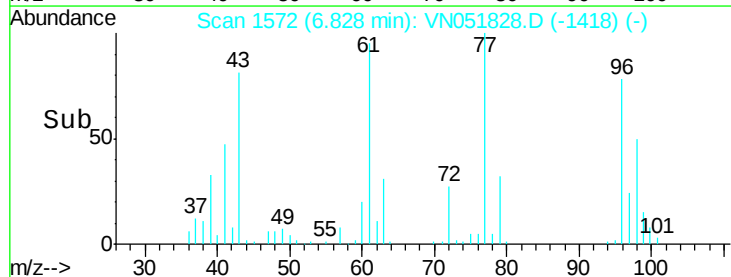
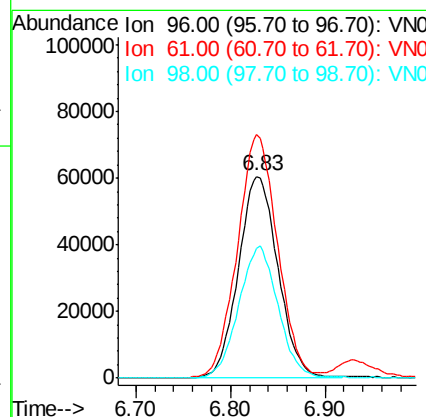
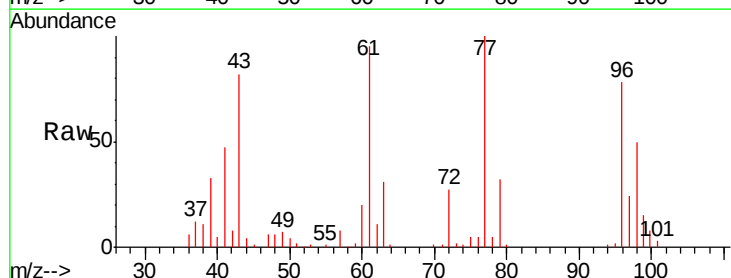
RT: 6.83 min Scan# 1572

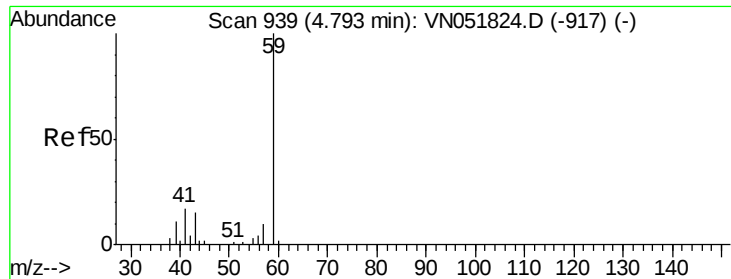
Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.5	124.5	186.7#
98	64.9	51.9	77.9





#23

tert-Butyl Alcohol

Concen: 99.04 ug/l m

RT: 4.79 min Scan# 937

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101218

Tgt Ion: 59 Resp: 46462

Ion Ratio Lower Upper

59 100

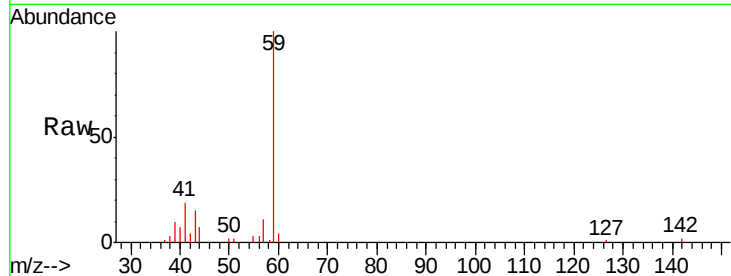
52 0.0 0.0 0.0

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Abundance Ion 59.00 (58.70 to 59.70): VN051828.D (-917) (-)

Ion 52.00 (51.70 to 52.70): VN051828.D (-917) (-)

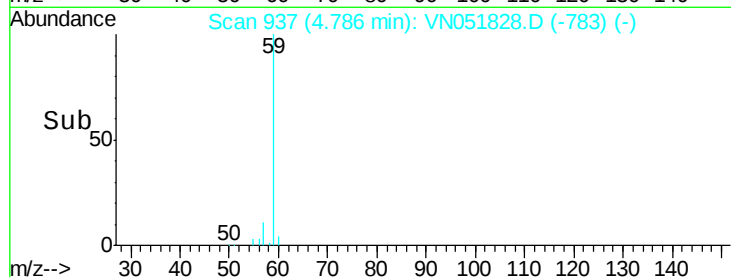
15000

10000

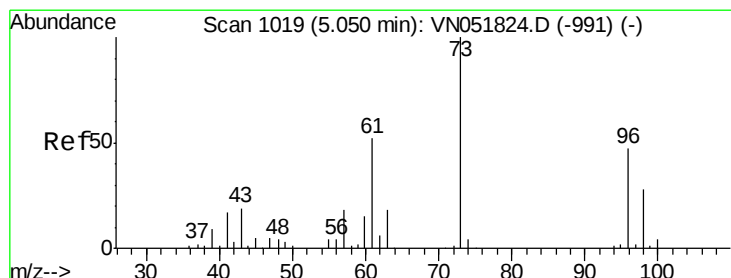
5000

0

Time-->



Time-->



#24

Methyl tert-Butyl Ether

Concen: 20.91 ug/l m

RT: 5.04 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VN051828.D

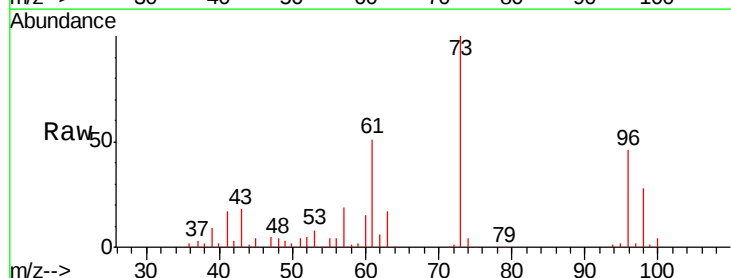
Acq: 12 Oct 2018 11:41

Tgt Ion: 73 Resp: 386641

Ion Ratio Lower Upper

73 100

43 0.0 5.4 8.0#



Abundance Ion 73.00 (72.70 to 73.70): VN051828.D (-864) (-)

Ion 43.00 (42.70 to 43.70): VN051828.D (-864) (-)

120000

100000

80000

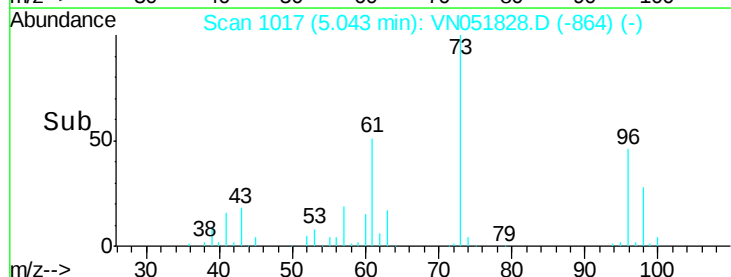
60000

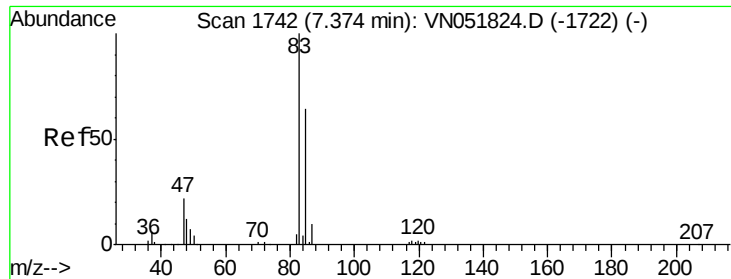
40000

20000

0

Time-->





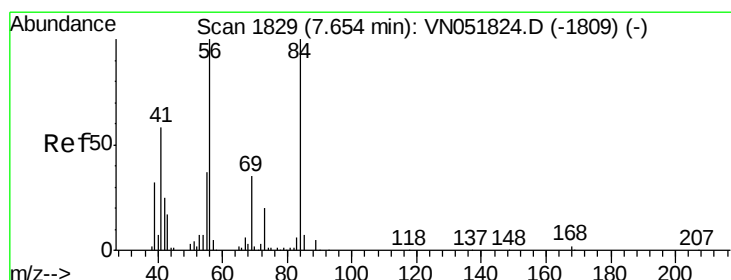
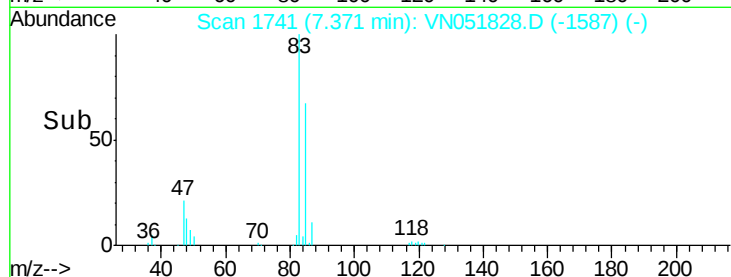
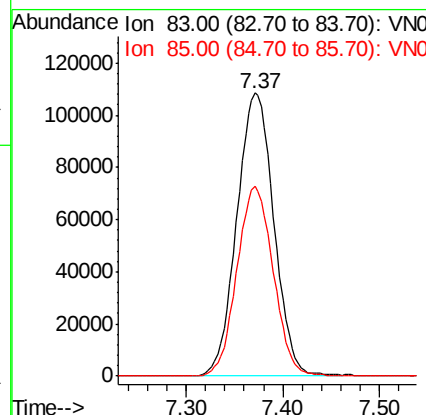
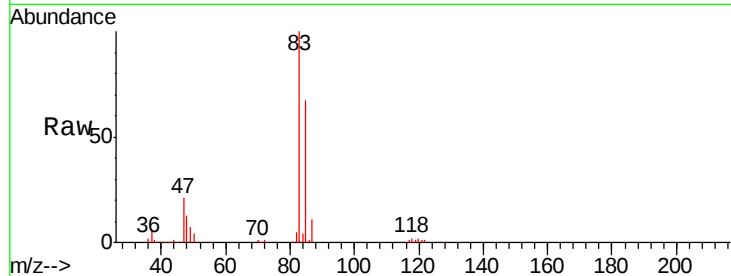
#25
Chloroform
Concen: 20.55 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVFN101218

Tgt Ion: 83 Resp: 289113
Ion Ratio Lower Upper
83 100
85 67.0 54.6 82.0

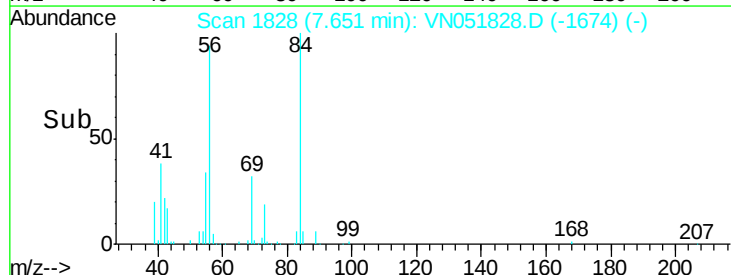
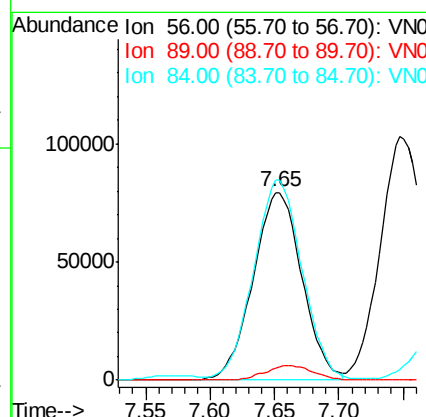
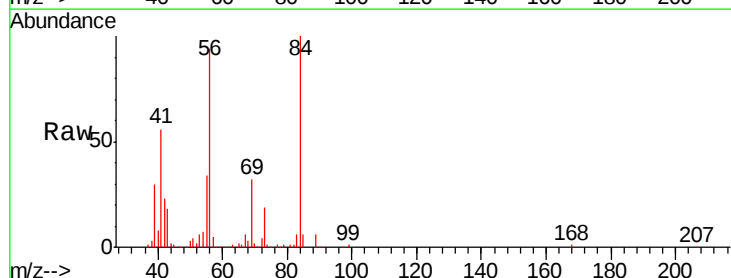
Manual Integrations
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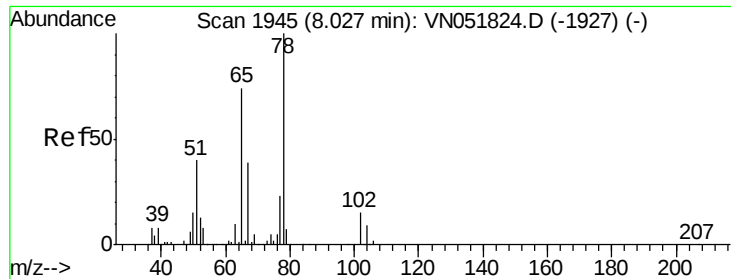
MMDadoda
10/15/2018 11:27:52 AM



#26
Cyclohexane
Concen: 20.83 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion: 56 Resp: 209443
Ion Ratio Lower Upper
56 100
89 7.5 1.5 2.3#
84 104.7 64.2 96.4#





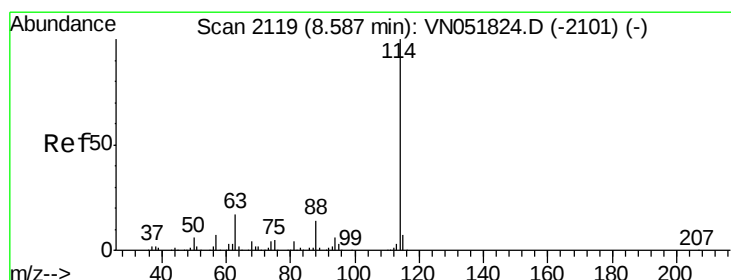
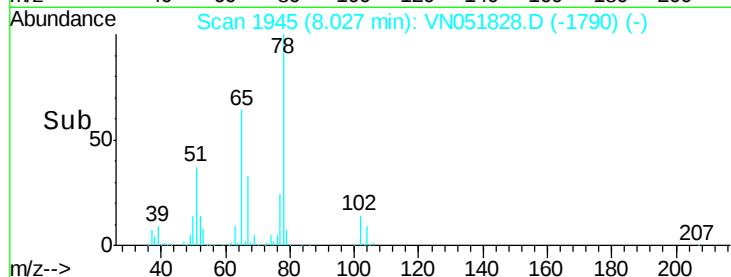
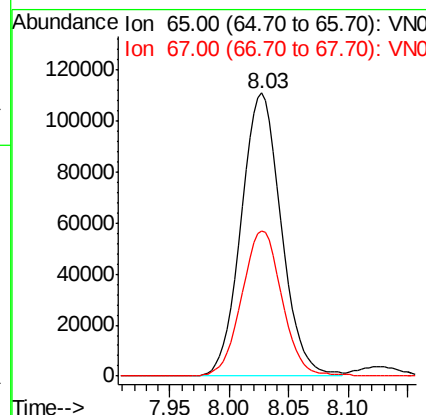
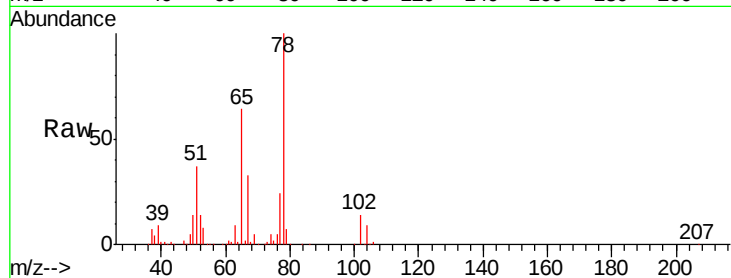
#27
 1,2-Dichloroethane-d4
 Concen: 20.83 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion: 65 Resp: 259000
 Ion Ratio Lower Upper
 65 100
 67 51.6 41.8 62.8

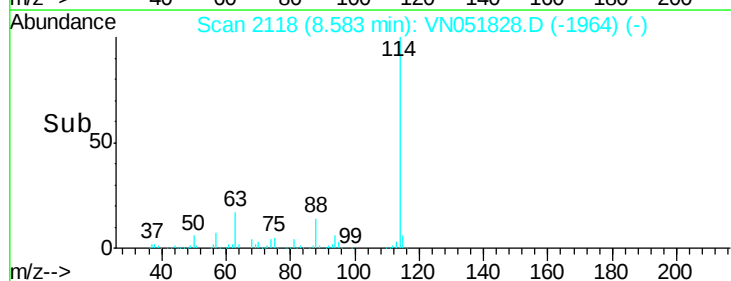
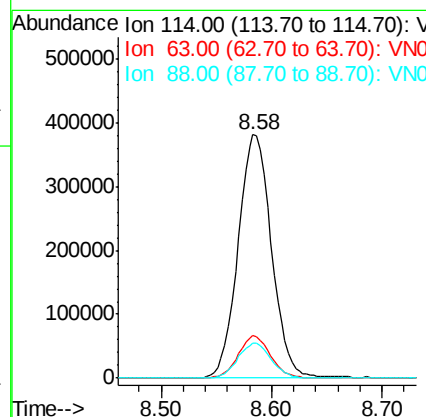
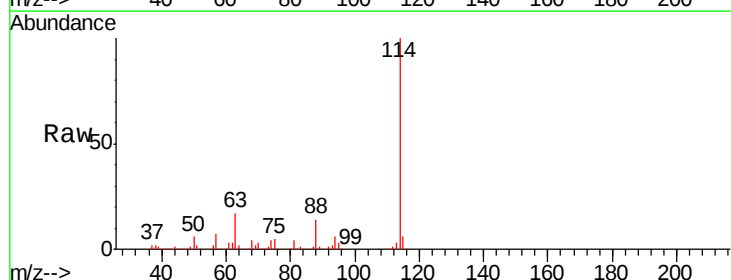
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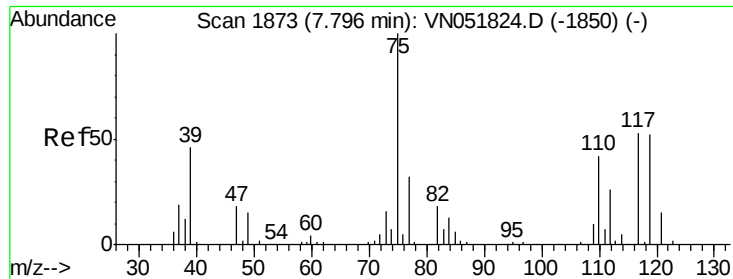
MMDadoda
 10/15/2018 11:27:52 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion: 114 Resp: 800129
 Ion Ratio Lower Upper
 114 100
 63 16.8 16.2 24.2
 88 14.4 12.2 18.4





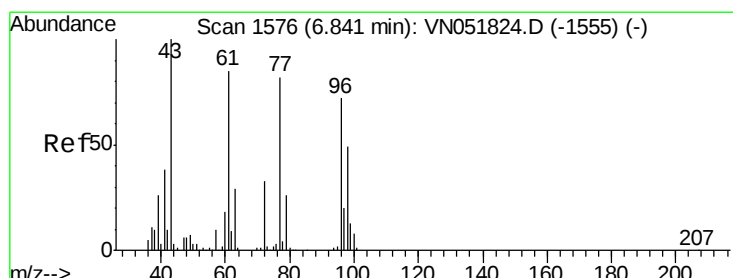
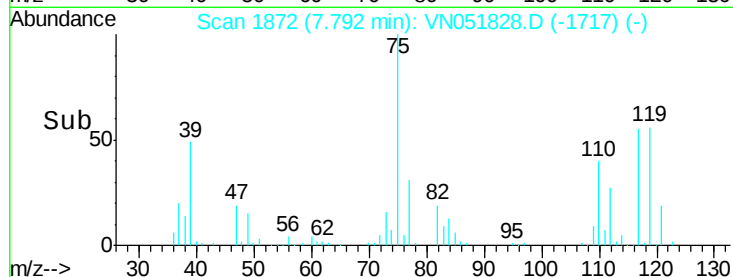
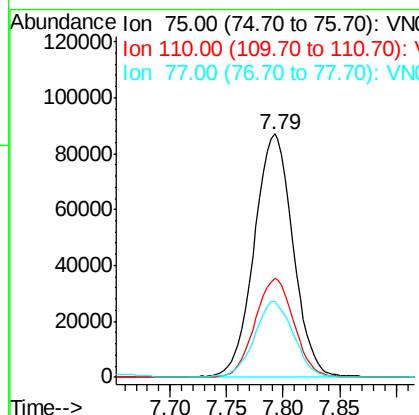
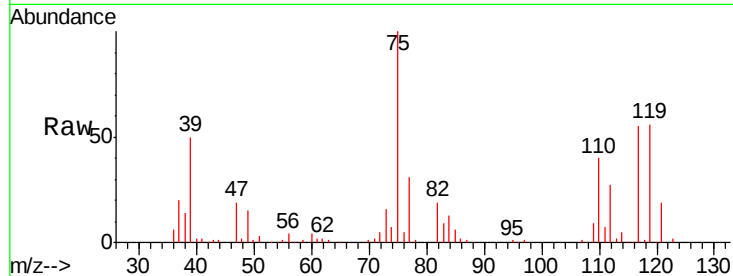
#29
 1,1-Dichloropropene
 Concen: 20.16 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
110	40.7	0.0	70.8
77	31.5	0.0	61.6

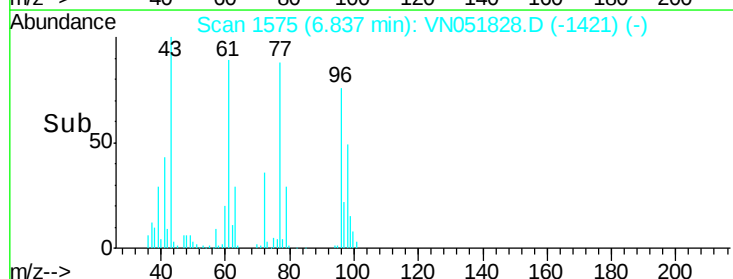
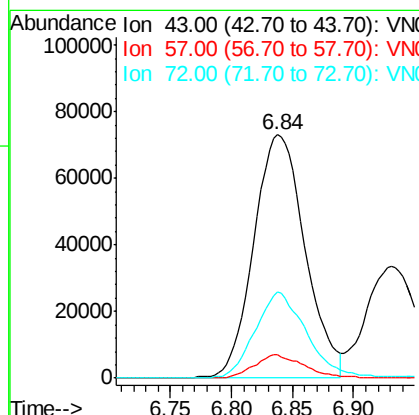
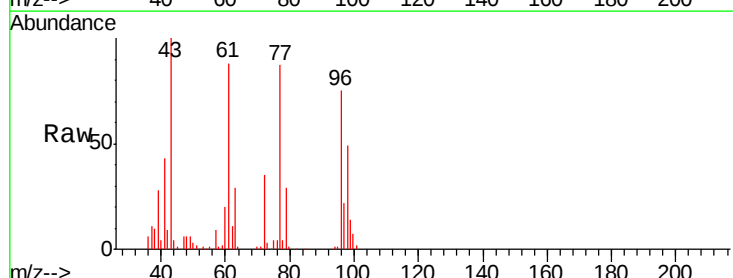
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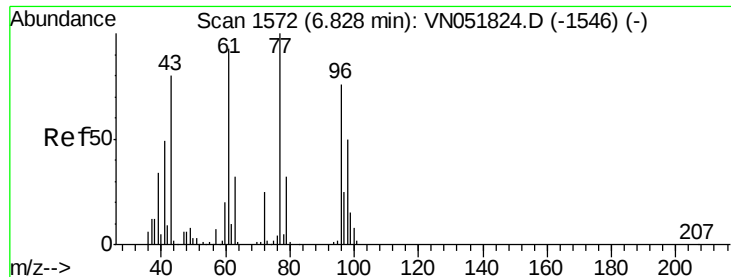
MMDadoda
 10/15/2018 11:27:52 AM



#30
 2-Butanone
 Concen: 98.07 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.5	4.5	6.7#
72	35.7	21.5	32.3#





#31

2,2-Dichloropropane

Concen: 20.47 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101218

Tgt Ion: 77 Resp: 248337

Ion Ratio Lower Upper

77 100

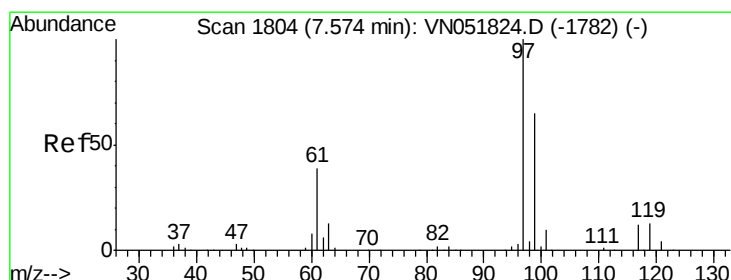
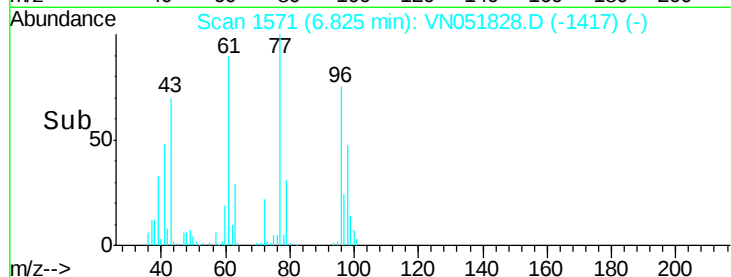
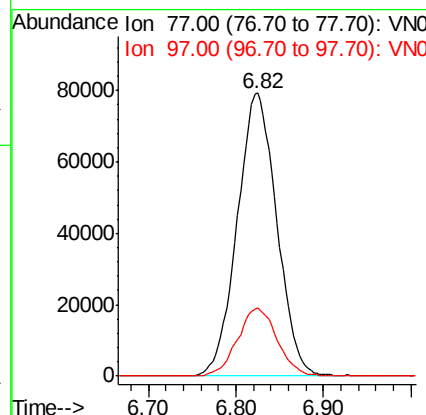
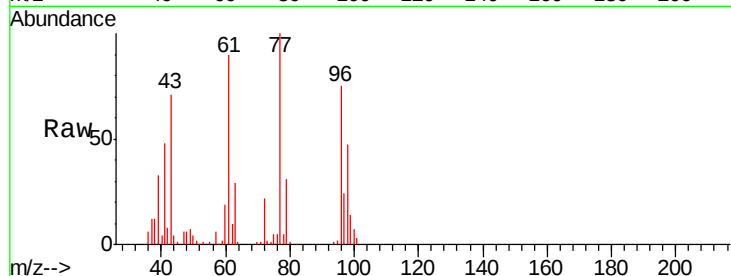
97 24.1 12.0 18.0#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.95 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

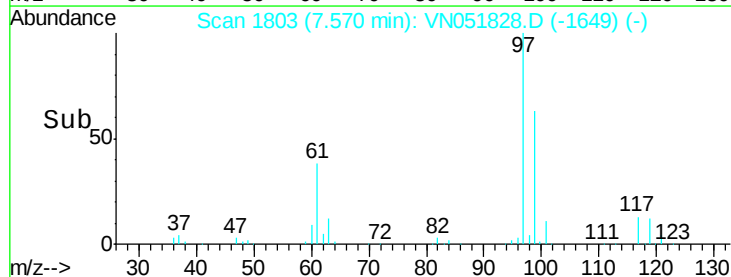
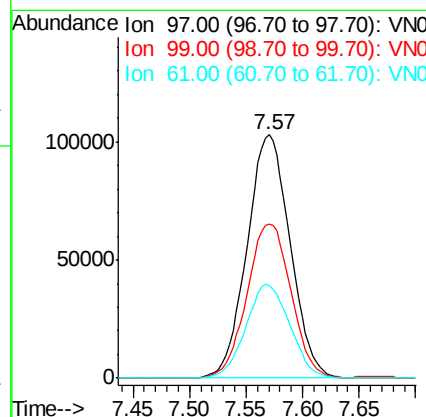
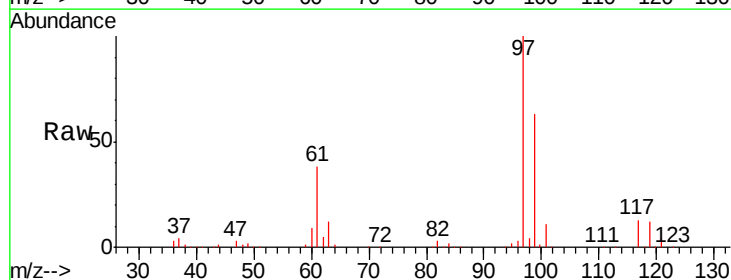
Tgt Ion: 97 Resp: 272726

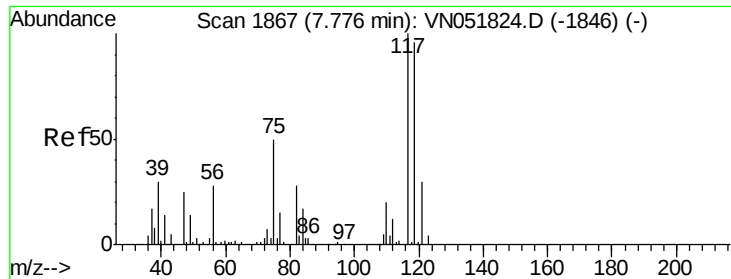
Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

61 39.5 37.4 56.0





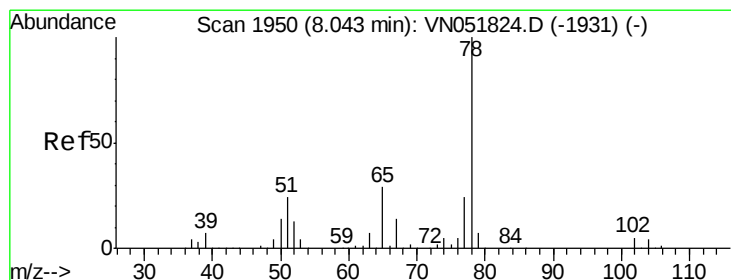
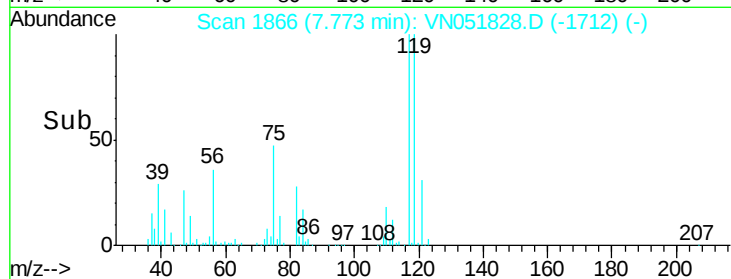
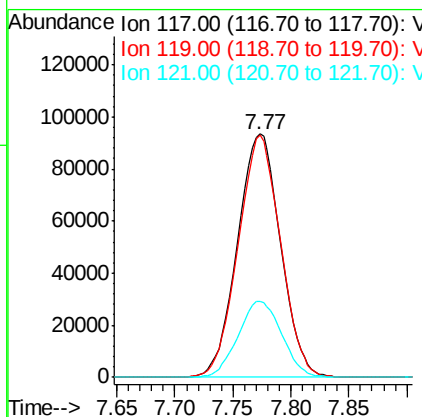
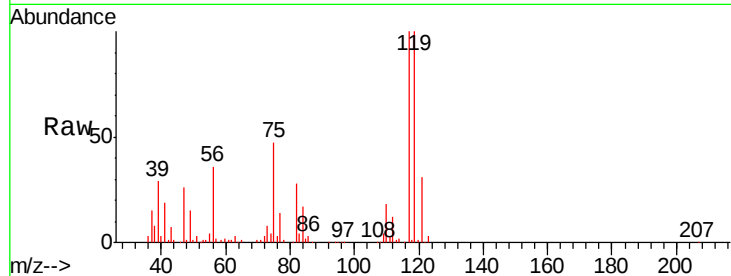
#33
Carbon Tetrachloride
Concen: 19.48 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101218

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	85.1	127.7
121	31.4	24.2	36.2

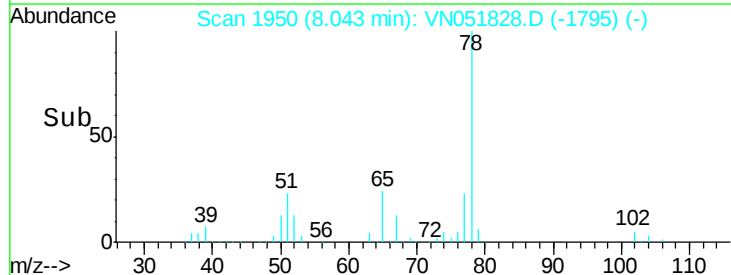
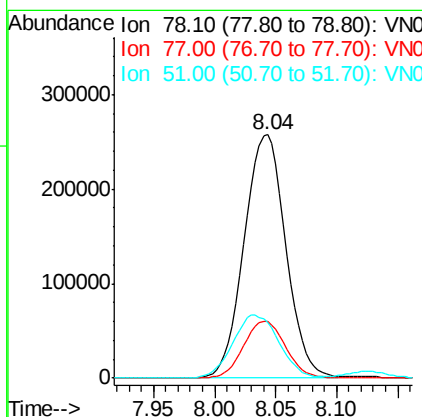
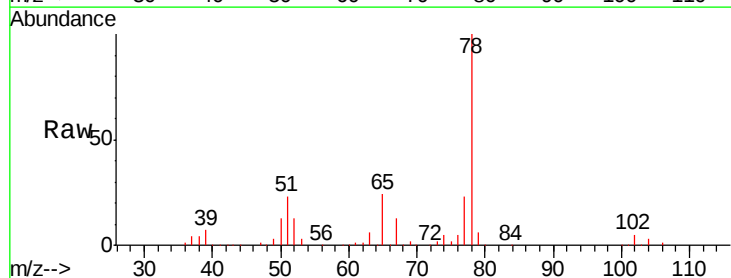
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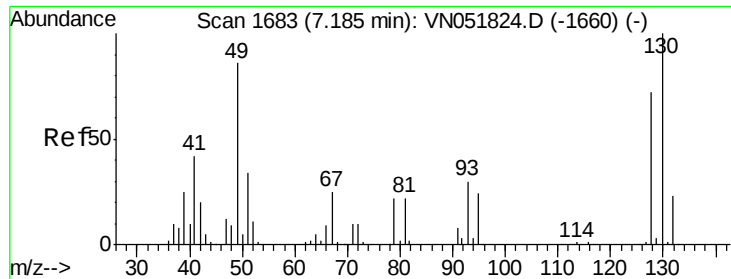
MMDadoda
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#34
Benzene
Concen: 19.95 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2
51	22.7	46.2	69.4#





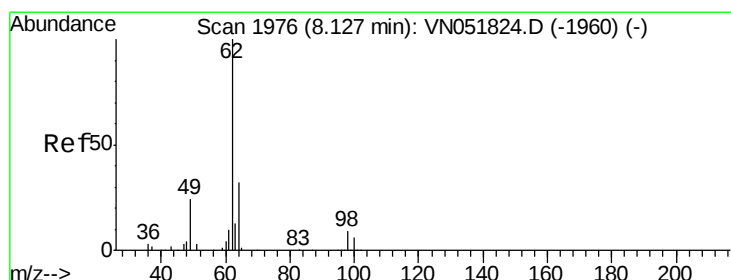
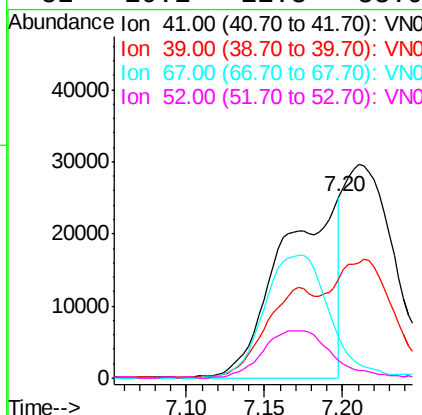
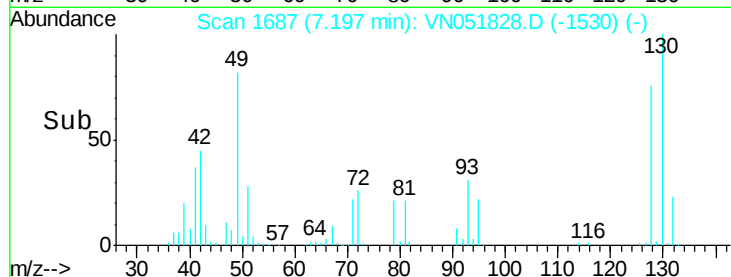
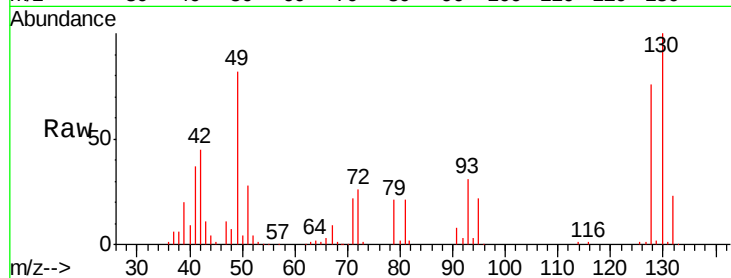
#35
Methacrylonitrile
Concen: 23.20 ug/l m
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101218

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.3	22.6	67.7	
67	23.3	28.9	86.8	
52	10.1	11.3	33.9	

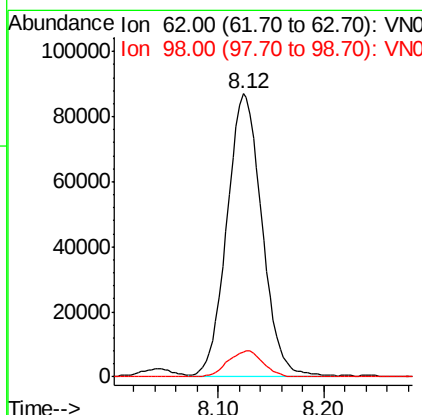
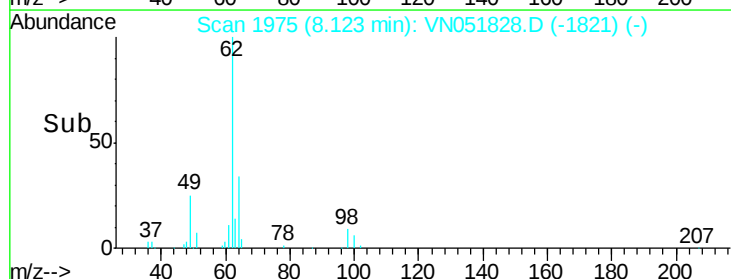
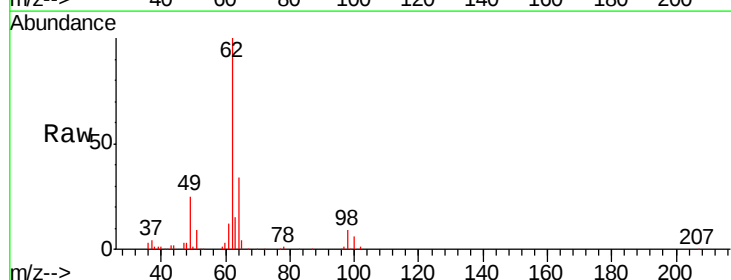
Manual Integrations
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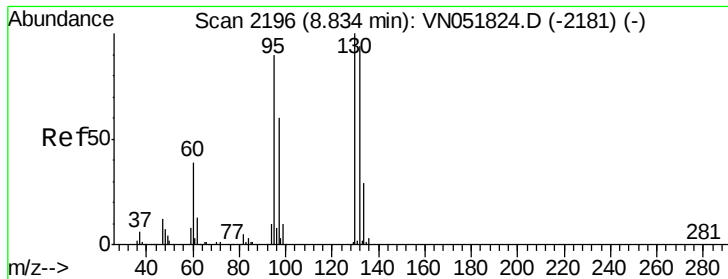
MMDadoda
10/15/2018 11:27:52 AM



#36
1,2-Dichloroethane
Concen: 20.40 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	6.9	10.3	





#37

Trichloroethene

Concen: 19.81 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101218

Tgt Ion: 130 Resp: 187590

Ion Ratio Lower Upper

130 100

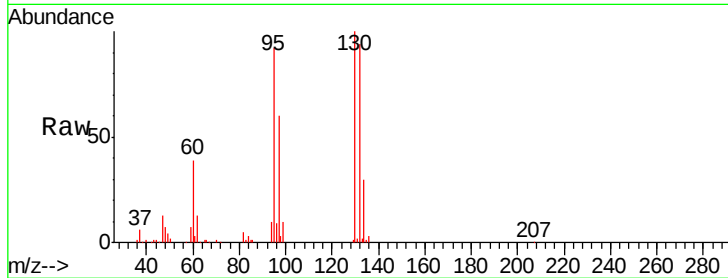
95 92.0 76.4 114.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN051828.D (-2042) (-)

Ion 94.90 (94.60 to 95.60): VN051828.D (-2042) (-)

8.83

100000

80000

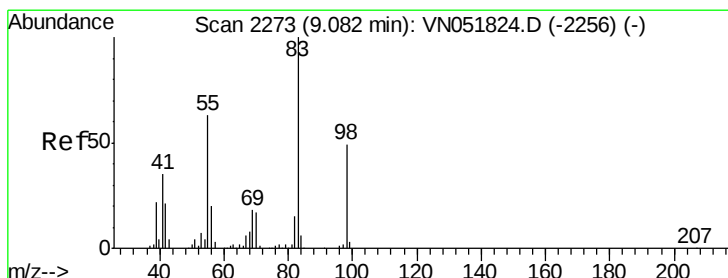
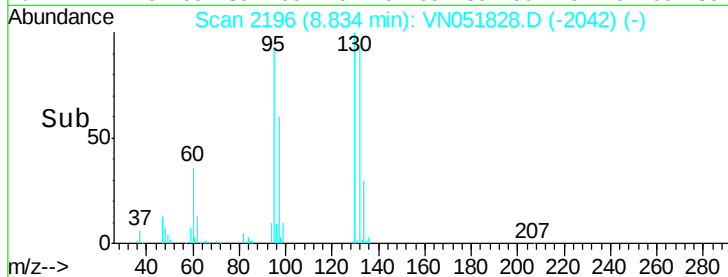
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 20.34 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

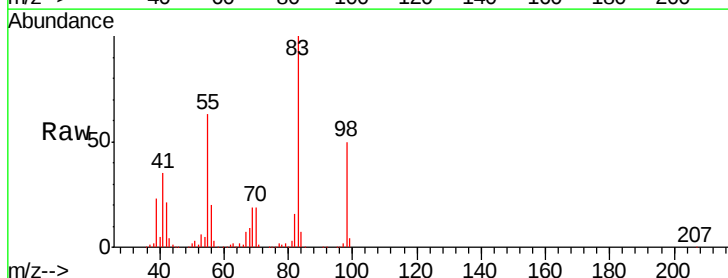
Tgt Ion: 83 Resp: 269051

Ion Ratio Lower Upper

83 100

55 62.3 43.0 129.2

98 48.6 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN051828.D (-2117) (-)

Ion 55.00 (54.70 to 55.70): VN051828.D (-2117) (-)

Ion 98.00 (97.70 to 98.70): VN051828.D (-2117) (-)

9.08

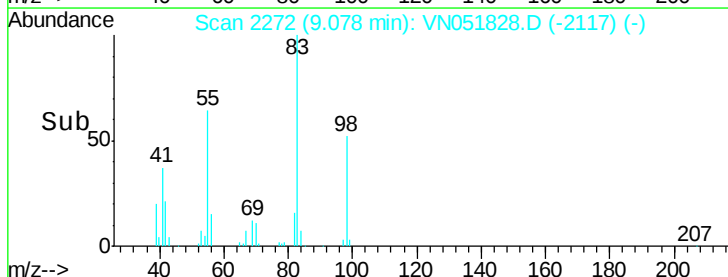
150000

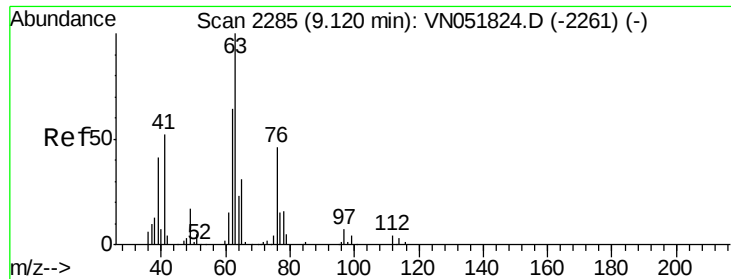
100000

50000

0

Time-->





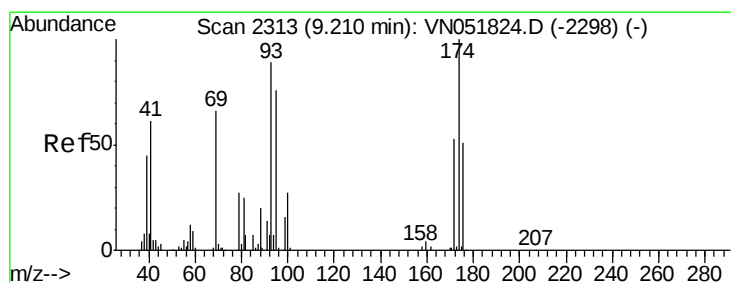
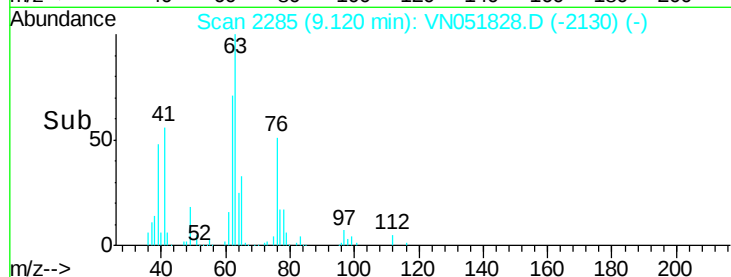
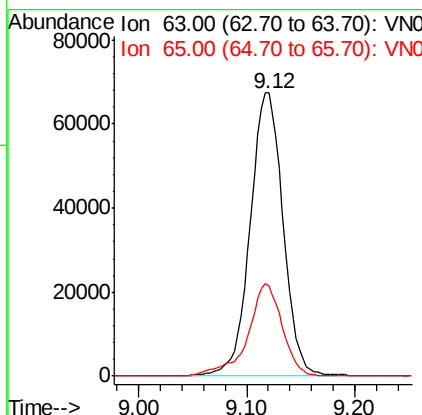
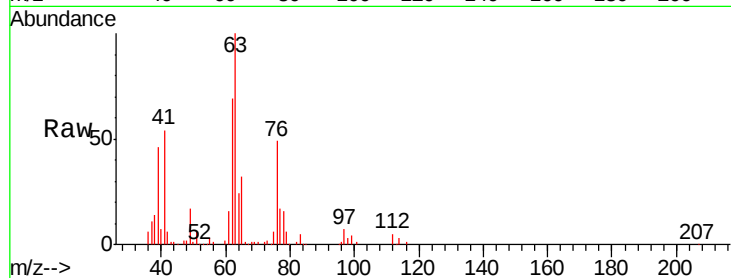
#39
 1,2-Dichloropropane
 Concen: 19.90 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion: 63 Resp: 142951
 Ion Ratio Lower Upper
 63 100
 65 32.0 23.2 34.8

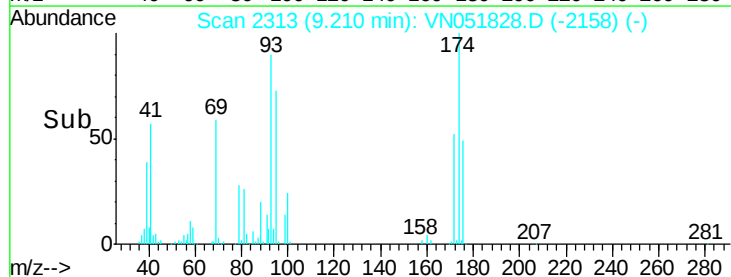
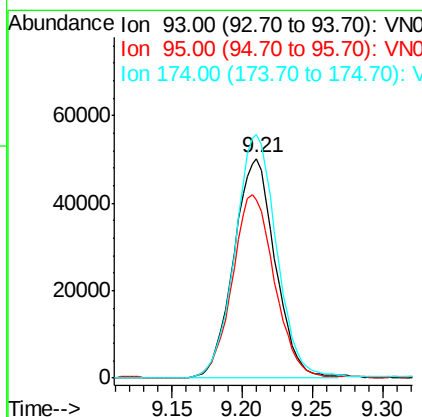
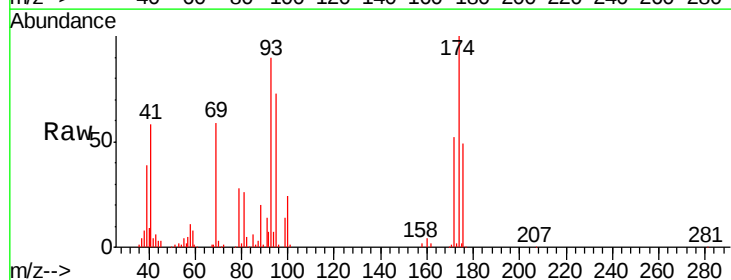
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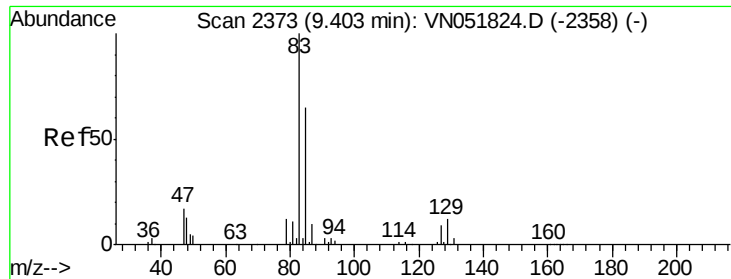
MMDadoda
 10/15/2018 11:27:52 AM



#40
 Dibromomethane
 Concen: 19.44 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion: 93 Resp: 103641
 Ion Ratio Lower Upper
 93 100
 95 84.7 0.0 162.0
 174 111.6 0.0 214.0





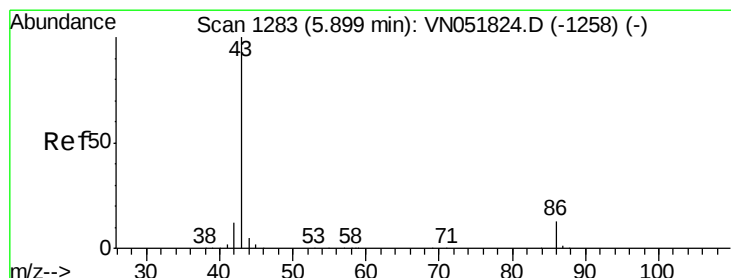
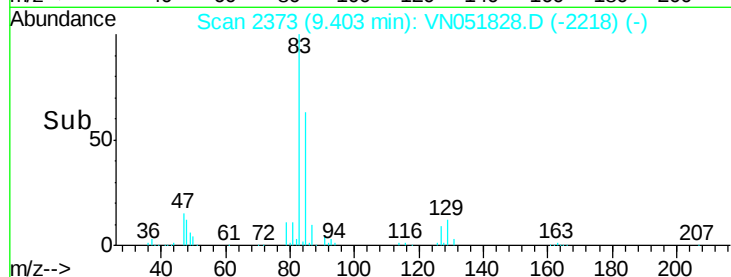
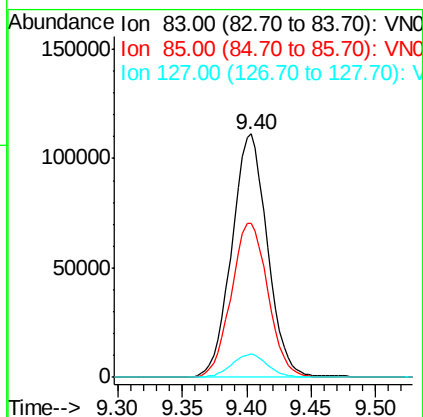
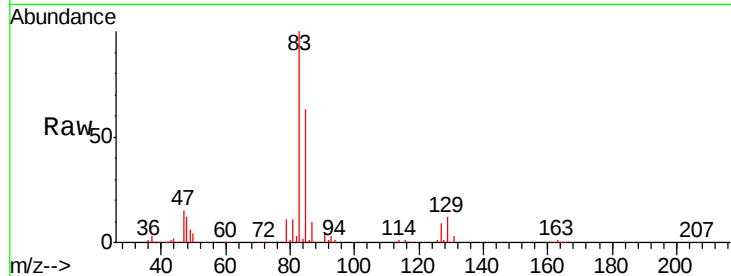
#41
Bromodichloromethane
Concen: 19.45 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101218

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	55.7	83.5
127	9.5	8.2	12.4

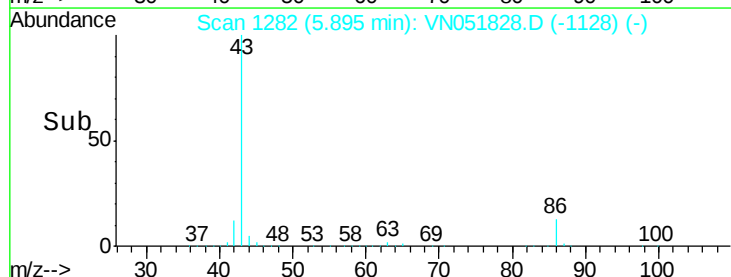
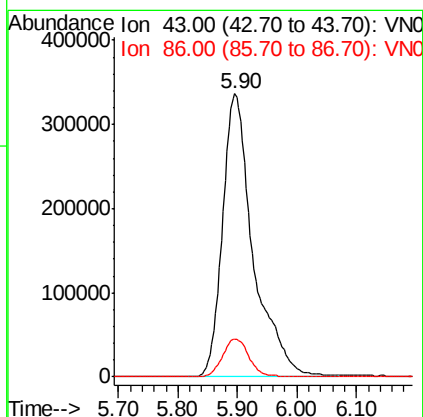
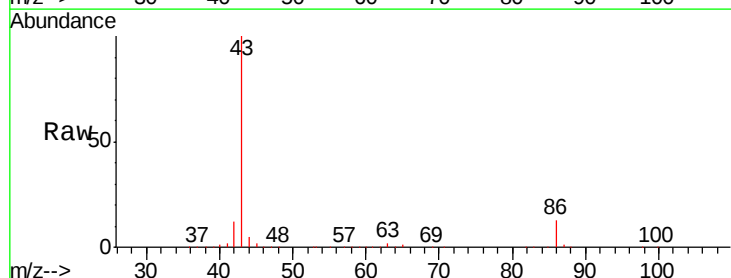
Manual Integrations
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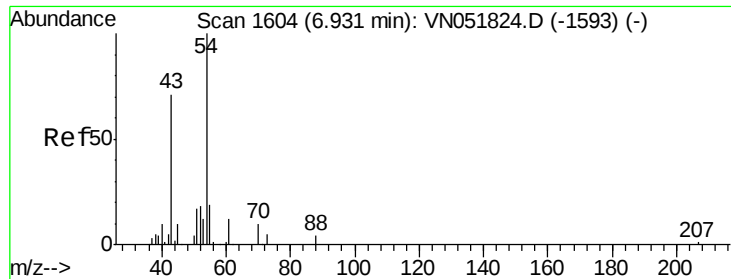
MMDadoda
10/15/2018 11:27:52 AM



#42
Vinyl Acetate
Concen: 99.53 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.5	6.5	9.7#





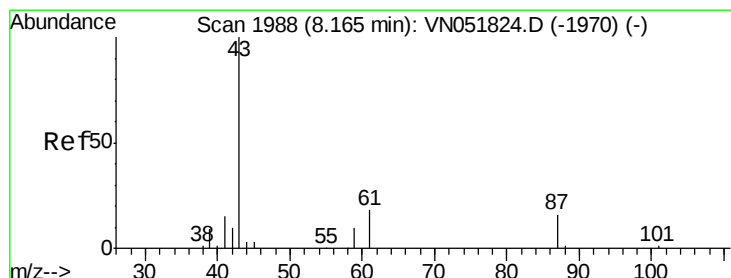
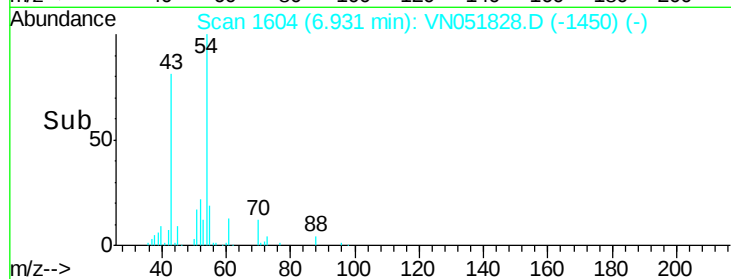
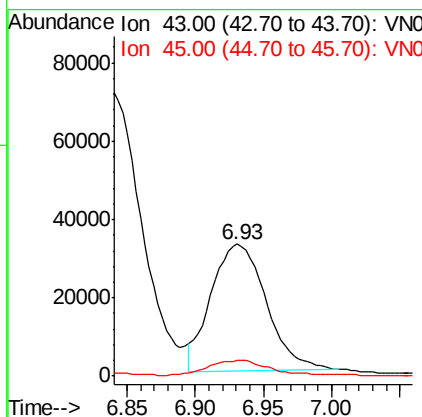
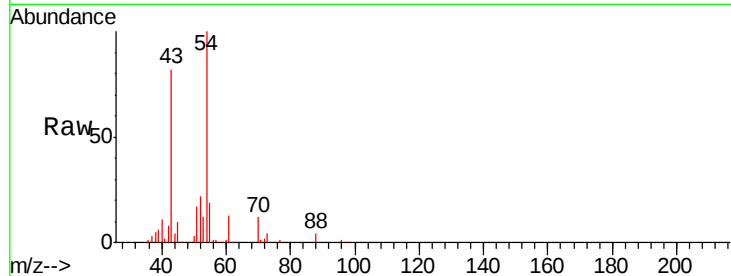
#43
Ethyl Acetate
Concen: 19.64 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101218

Tgt Ion: 43 Resp: 91926
Ion Ratio Lower Upper
43 100
45 14.2 11.0 16.6

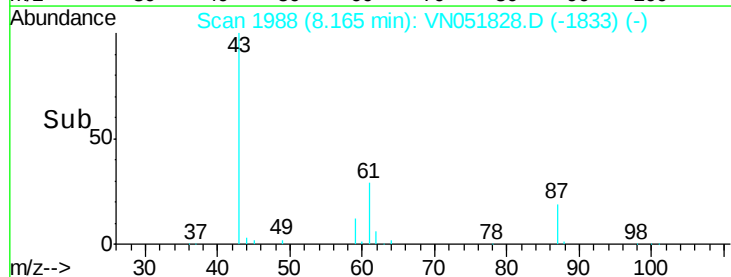
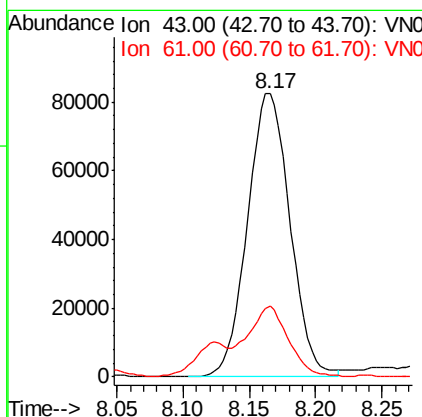
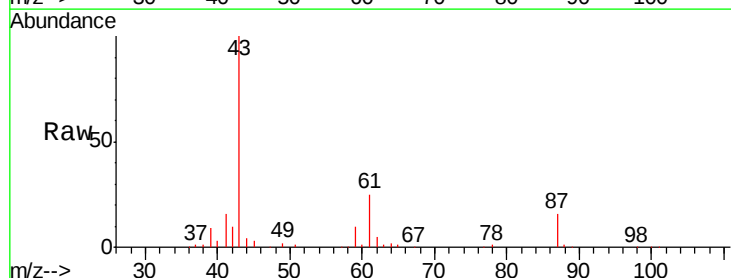
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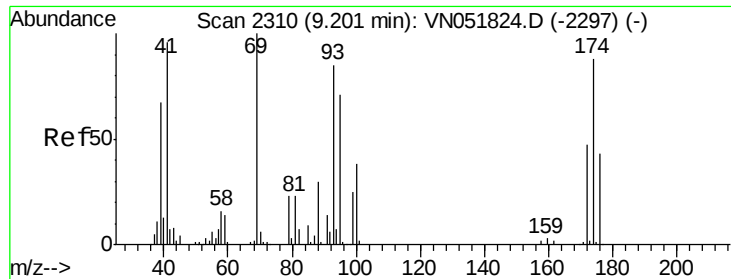
MMDadoda
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#44
Isopropyl Acetate
Concen: 19.59 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion: 43 Resp: 183169
Ion Ratio Lower Upper
43 100
61 23.8 15.9 23.9





#45

1,4-Dioxane

Concen: 416.91 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

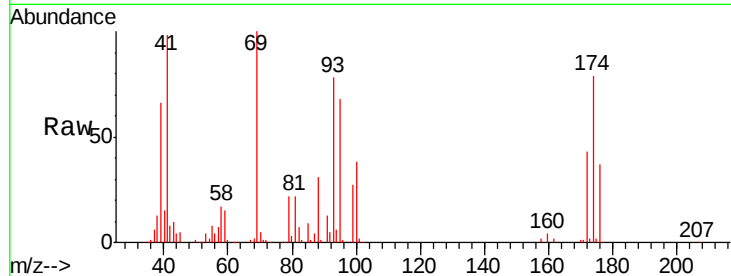
ClientSampleId :

ICVVN101218

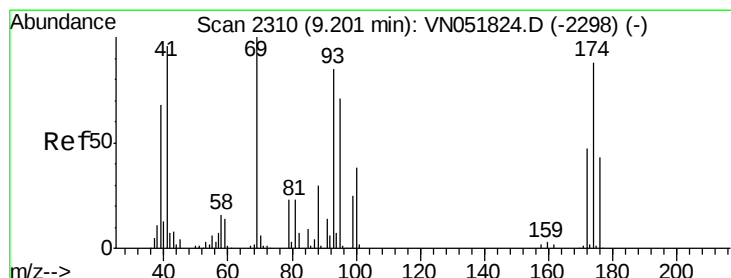
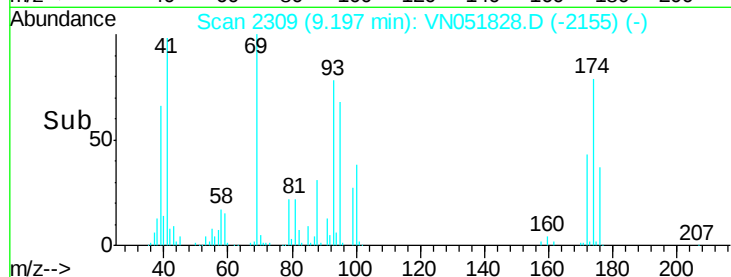
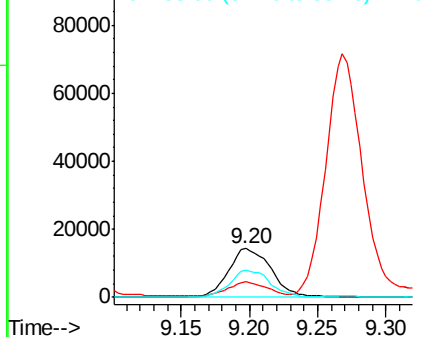
Tgt Ion:	88	Resp:	31298
Ion	Ratio	Lower	Upper
88	100		
43	24.9	26.2	39.2#
58	52.2	65.6	98.4#

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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: 19.71 ug/l

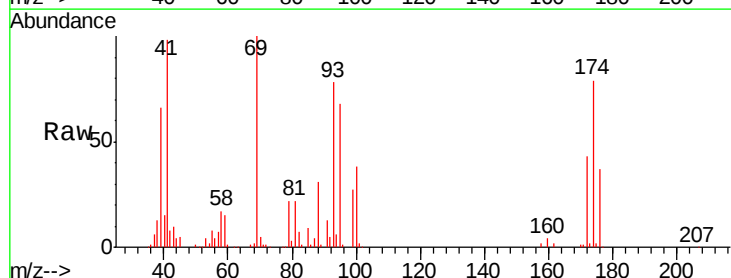
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

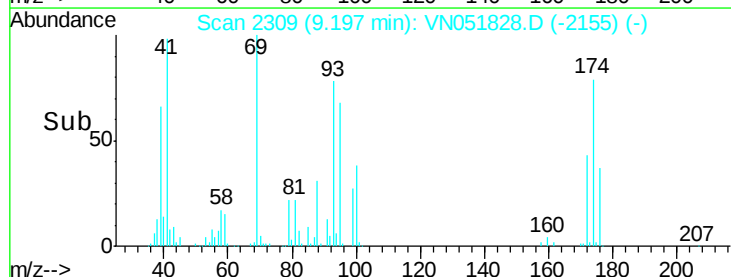
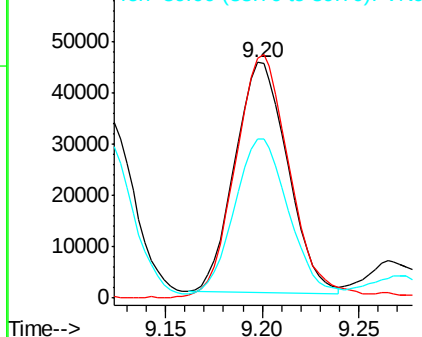
Lab File: VN051828.D

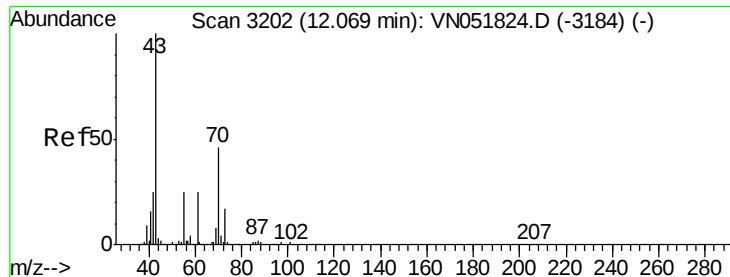
Acq: 12 Oct 2018 11:41

Tgt Ion:	41	Resp:	85019
Ion	Ratio	Lower	Upper
41	100		
69	103.1	40.7	122.1
39	67.6	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-amyl Acetate

Concen: 18.38 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101218

Tgt Ion: 43 Resp: 143822

Ion Ratio Lower Upper

43 100

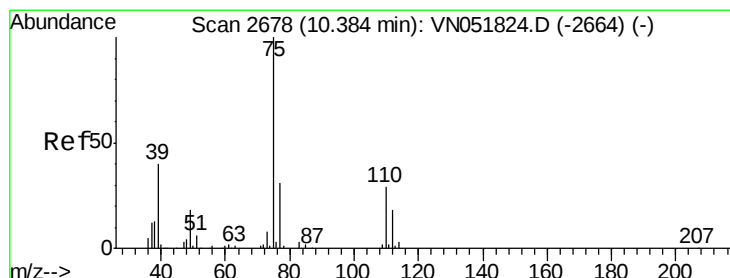
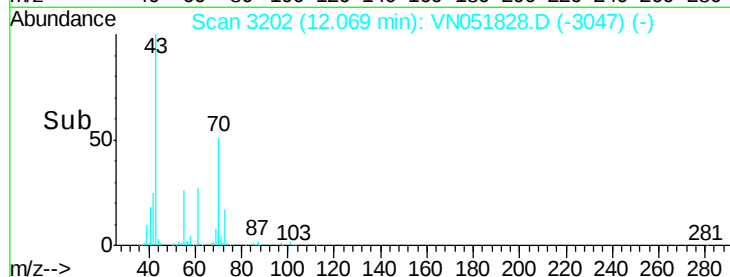
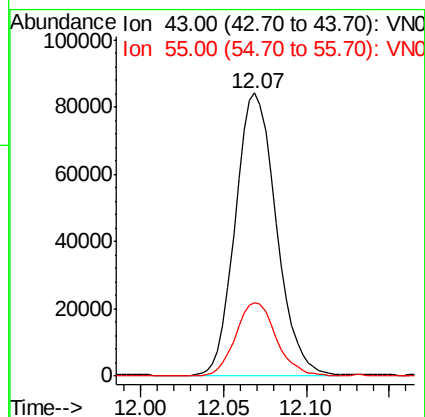
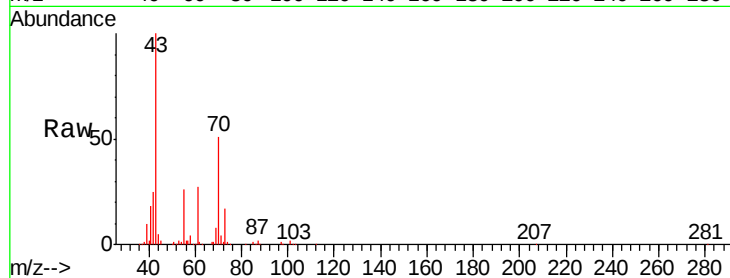
55 26.0 12.2 18.4#

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#48

t-1,3-Dichloropropene

Concen: 18.69 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051828.D

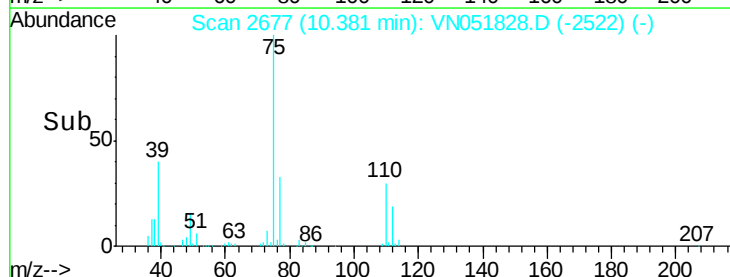
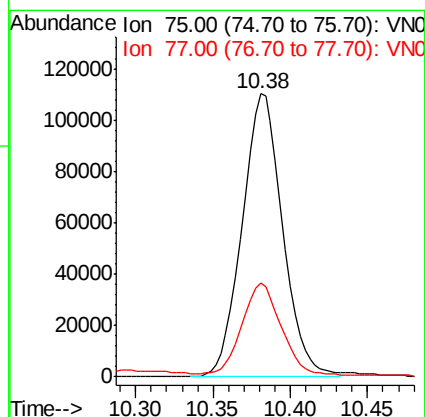
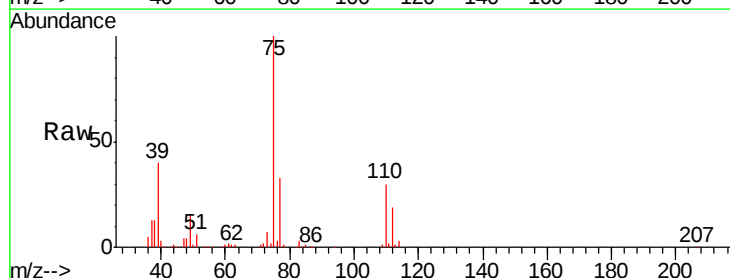
Acq: 12 Oct 2018 11:41

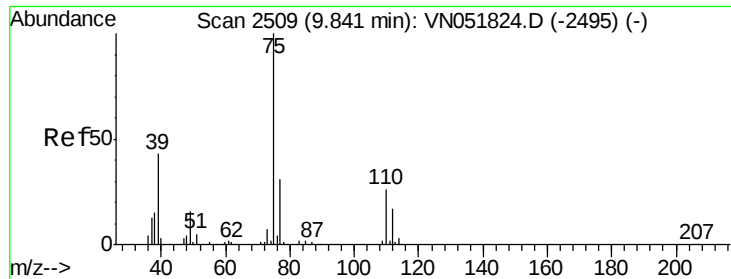
Tgt Ion: 75 Resp: 200736

Ion Ratio Lower Upper

75 100

77 32.4 24.6 37.0





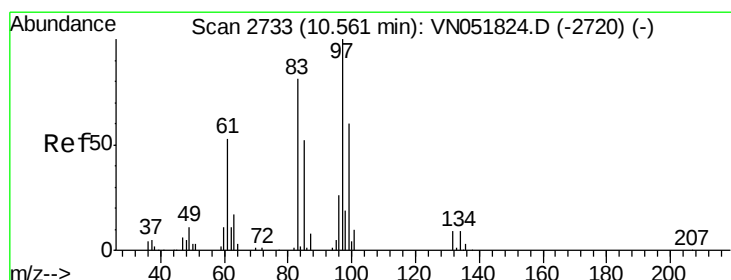
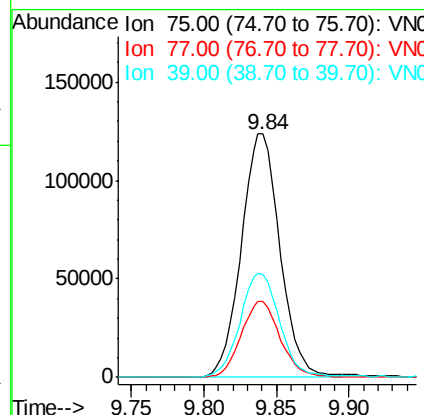
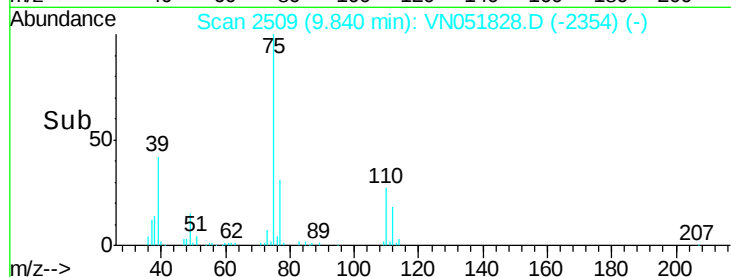
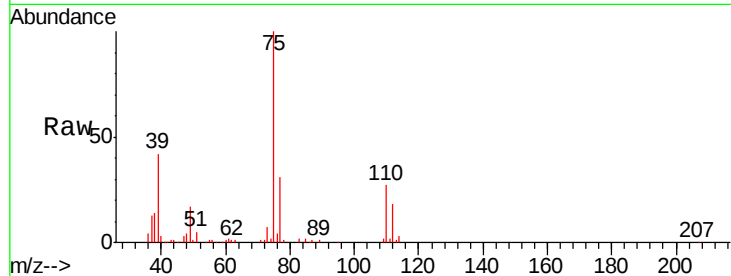
#49
 cis-1,3-Dichloropropene
 Concen: 19.40 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	229712		
77	30.9	23.2	34.8	
39	41.9	34.6	52.0	

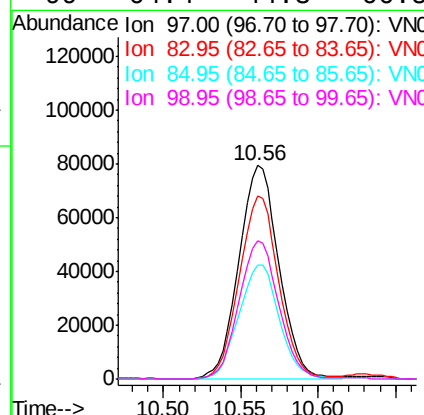
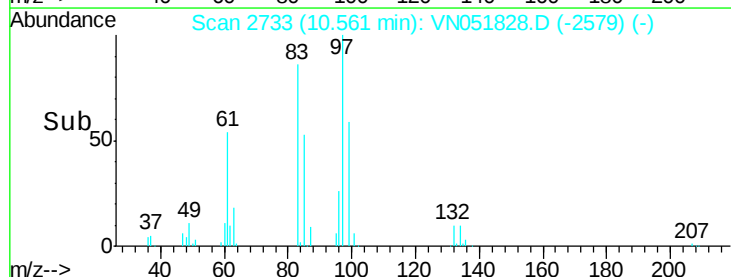
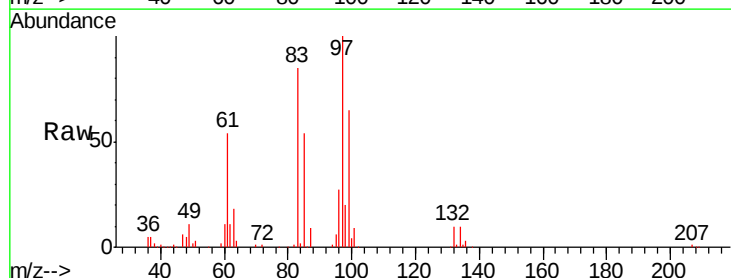
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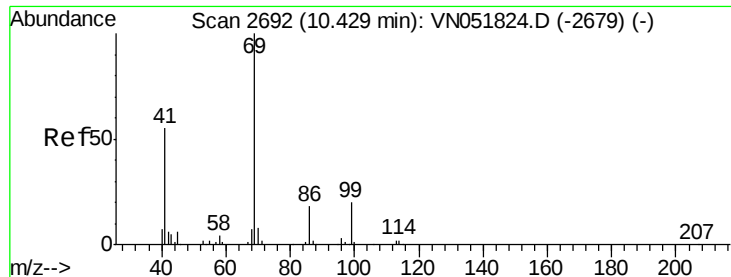
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#50
 1,1,2-Trichloroethane
 Concen: 19.48 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	143517		
83	85.5	68.2	102.4	
85	53.6	42.5	63.7	
99	64.4	44.3	66.5	





#51

Ethyl methacrylate

Concen: 19.48 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

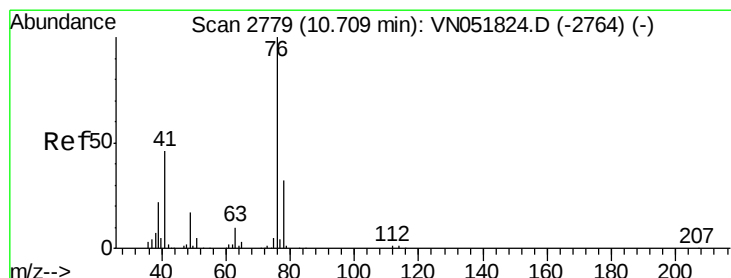
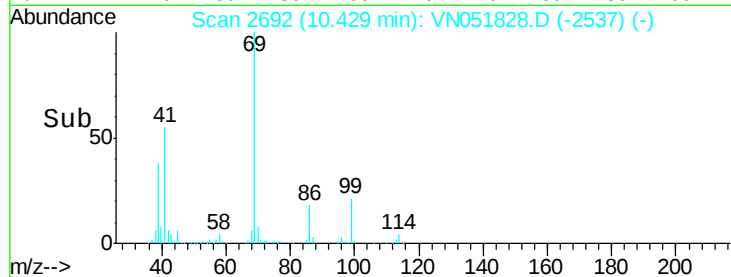
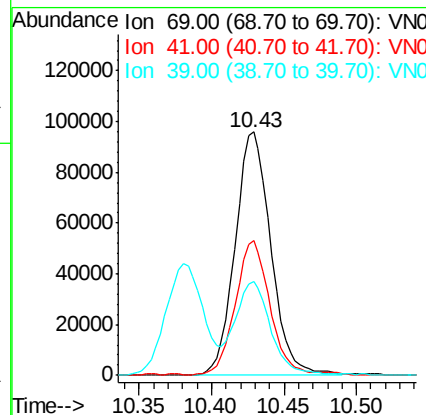
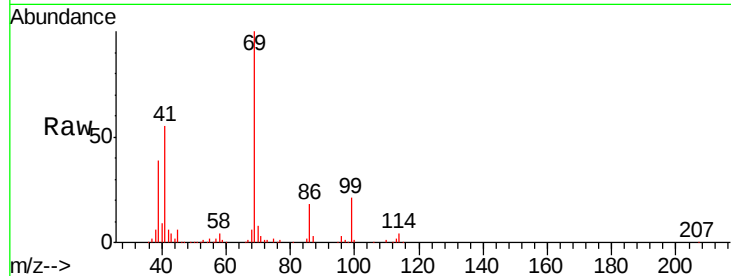
ClientSampleId :

ICVVN101218

Tgt Ion:	69	Resp:	164300
Ion	Ratio	Lower	Upper
69	100		
41	54.8	34.4	103.1
39	37.8	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 19.60 ug/l

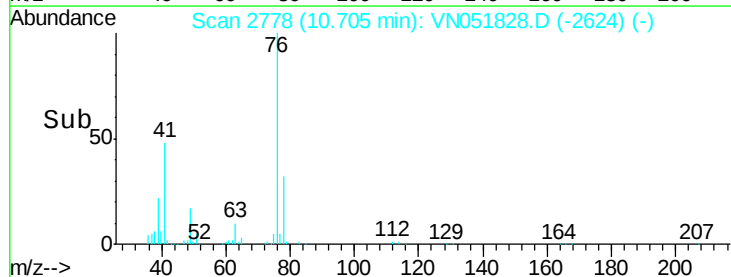
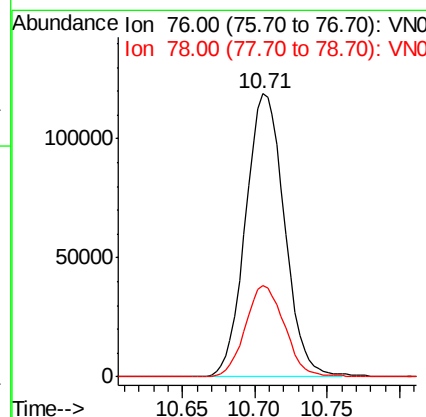
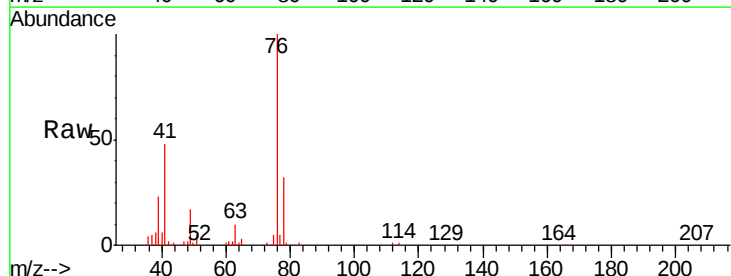
RT: 10.71 min Scan# 2778

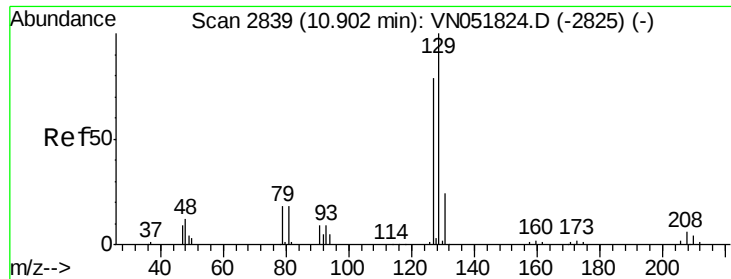
Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Tgt Ion:	76	Resp:	222831
Ion	Ratio	Lower	Upper
76	100		
78	32.5	0.0	67.6





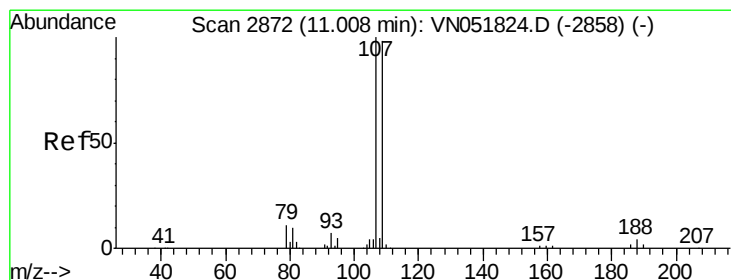
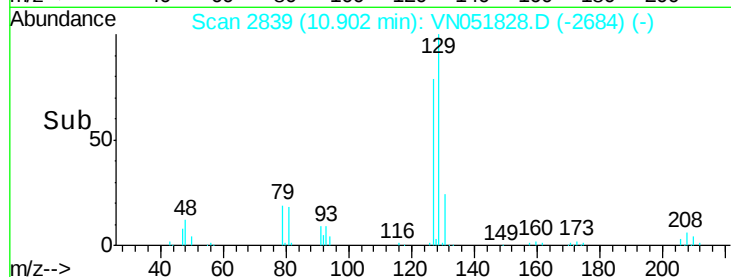
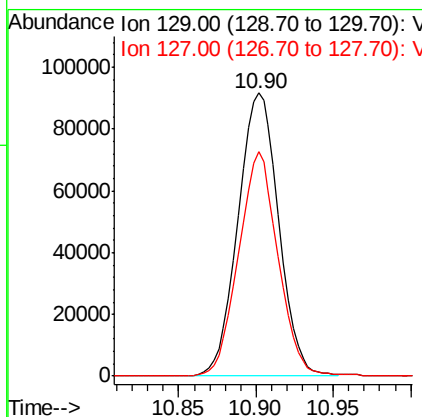
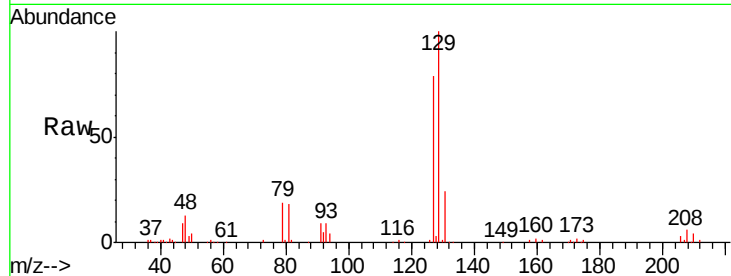
#53
 Dibromochloromethane
 Concen: 18.40 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	40.2	120.5

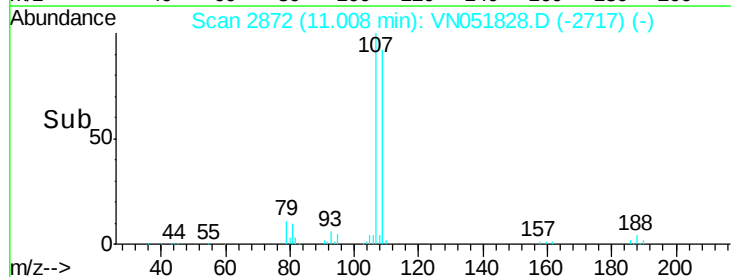
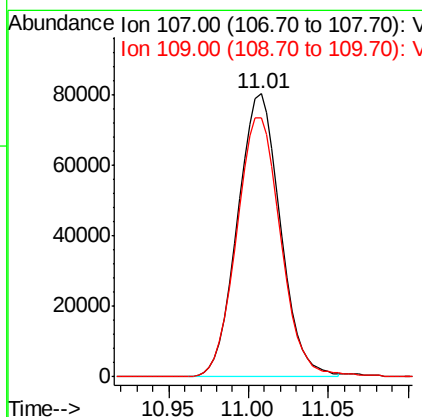
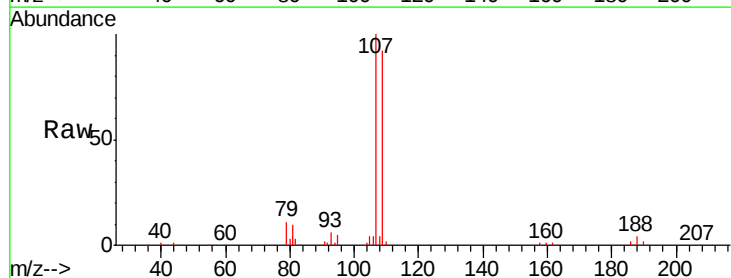
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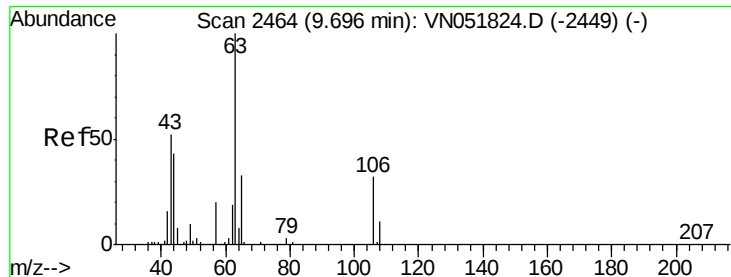
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#54
 1,2-Dibromoethane
 Concen: 18.93 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	77.4	116.0





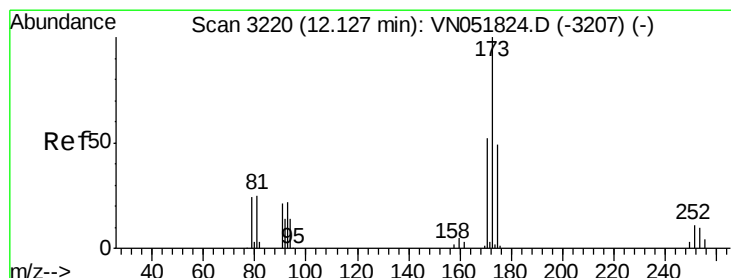
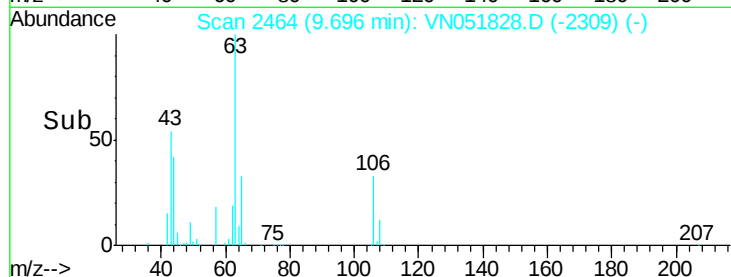
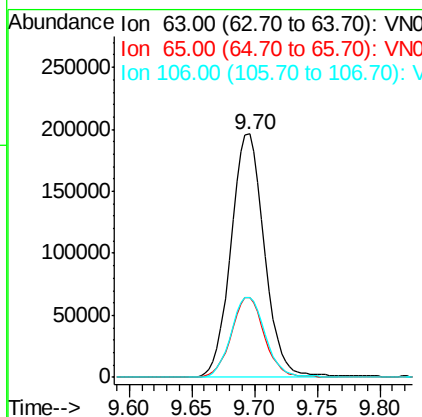
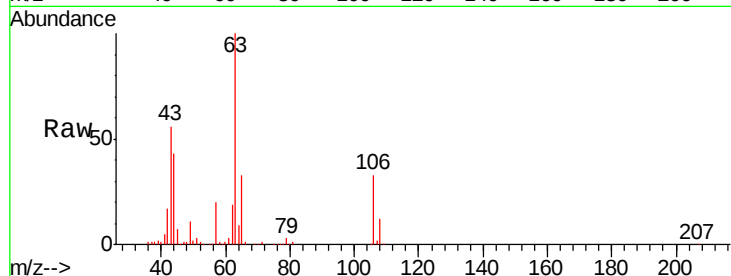
#55
 2-Chloroethyl vinyl ether
 Concen: 101.08 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.4	38.0
106	33.4	21.2	31.8

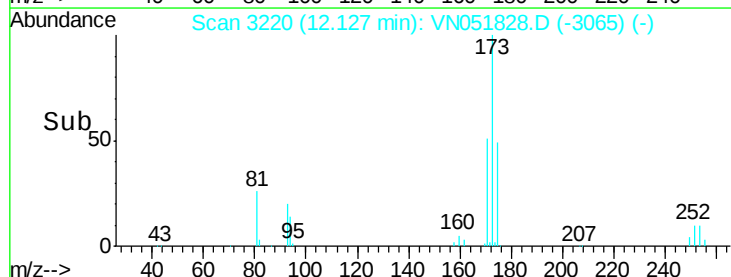
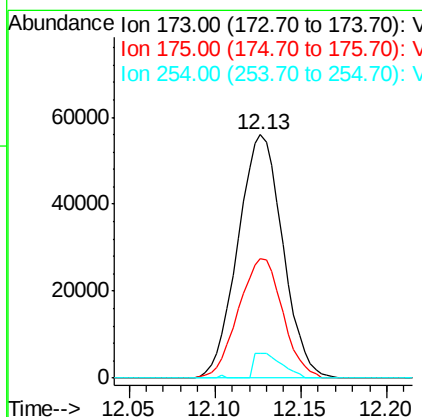
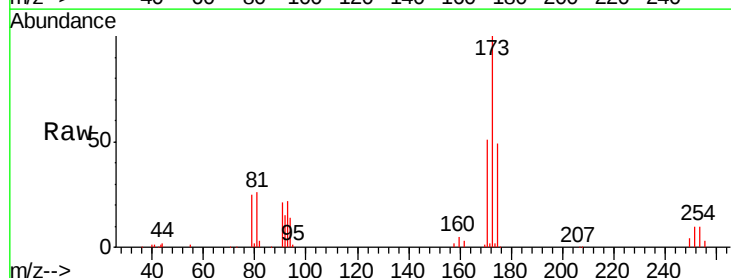
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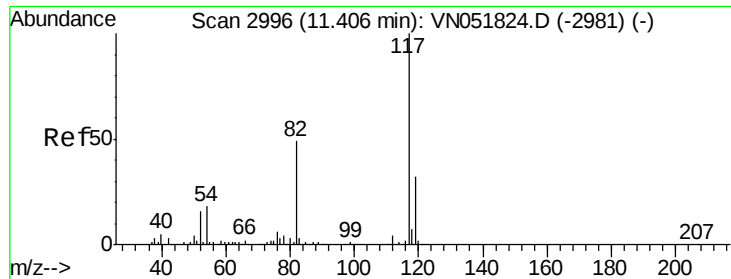
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#56
 Bromoform
 Concen: 16.87 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	35.8	53.8
254	6.5	8.6	13.0





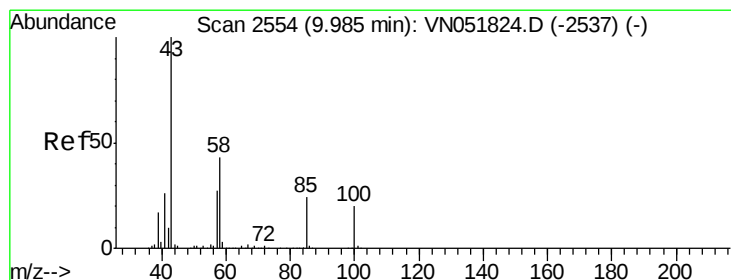
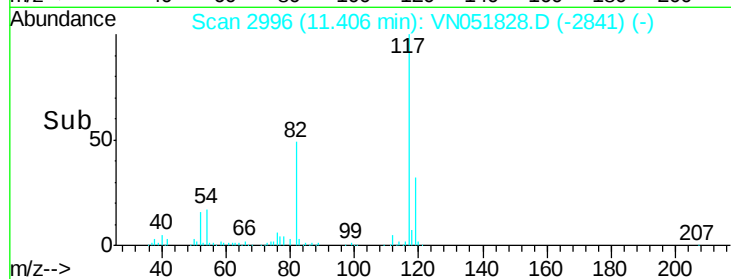
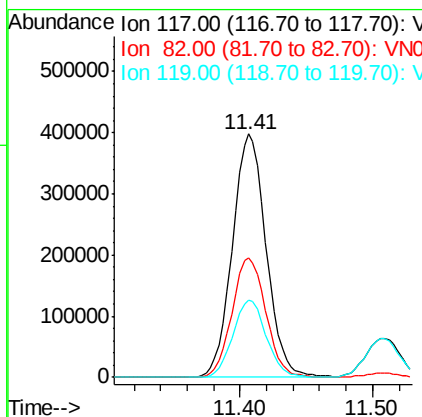
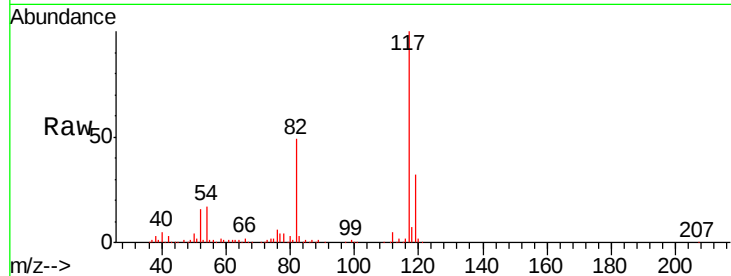
#57
 Chlorobenzene-d5
 Concen: 30.00 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	49.4	44.1	66.1
119	31.5	25.8	38.8

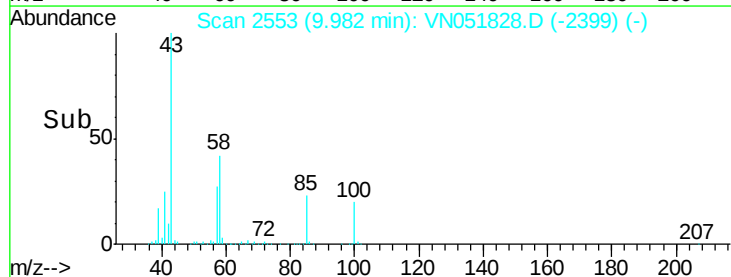
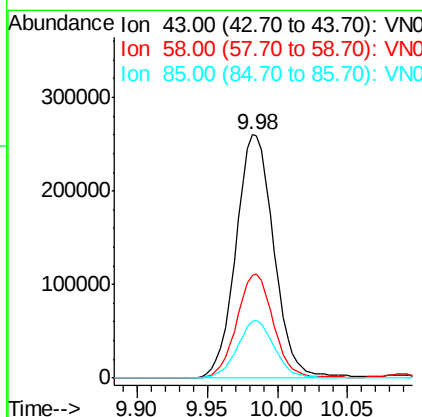
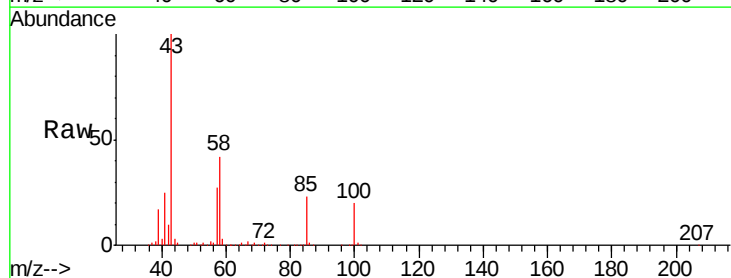
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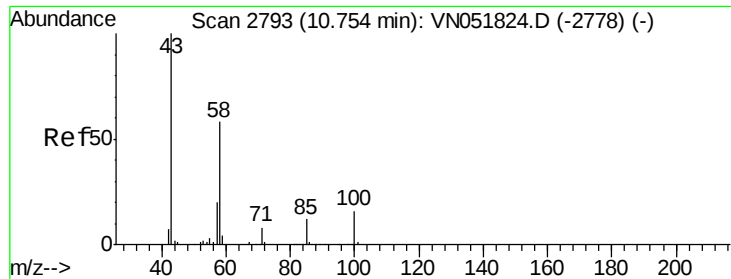
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#58
 4-Methyl-2-Pentanone
 Concen: 103.81 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
58	41.5	29.3	43.9
85	23.3	12.6	18.8





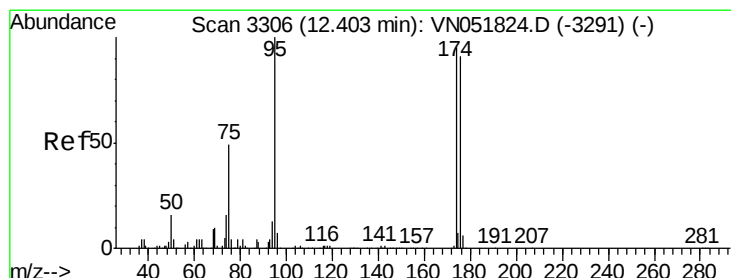
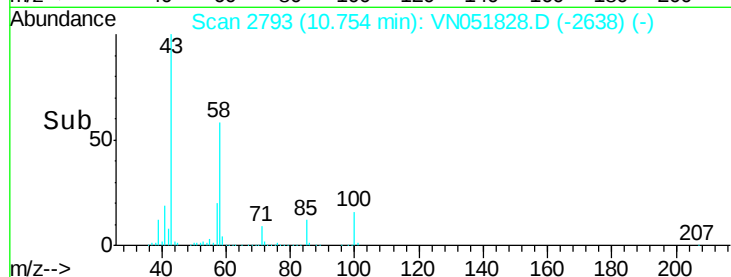
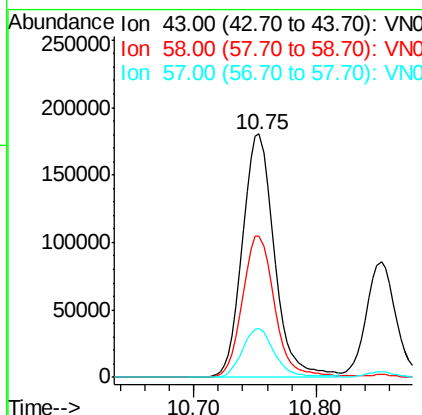
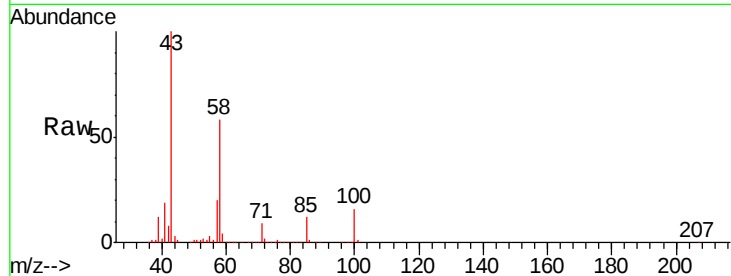
#59
2-Hexanone
Concen: 102.42 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101218

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.3	41.3	61.9
57	20.3	13.4	20.0

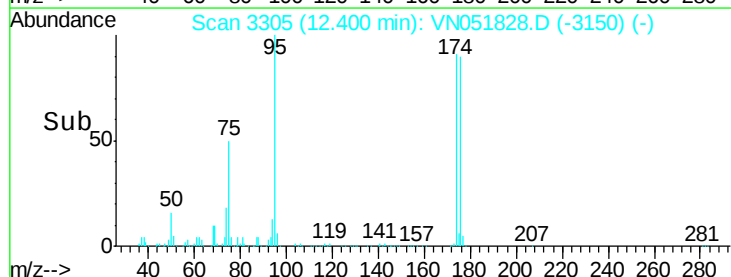
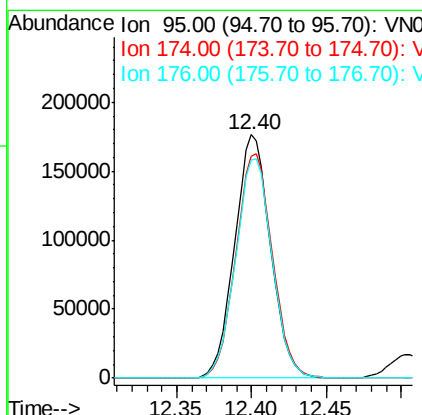
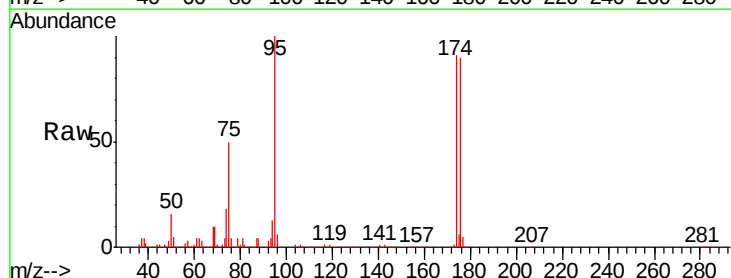
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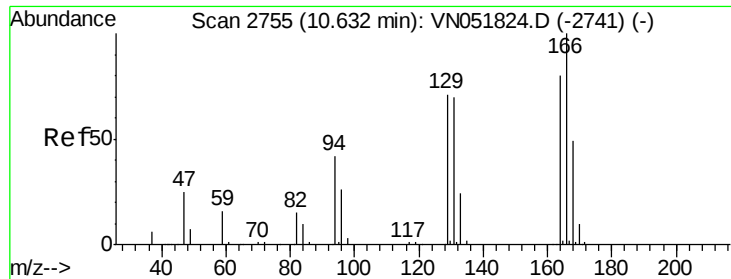
MMDadoda
10/15/2018 11:27:52 AM



#60
4-Bromofluorobenzene
Concen: 102.42 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.1	73.5	110.3
176	91.8	70.2	105.2





#61

Tetrachloroethene

Concen: 20.05 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

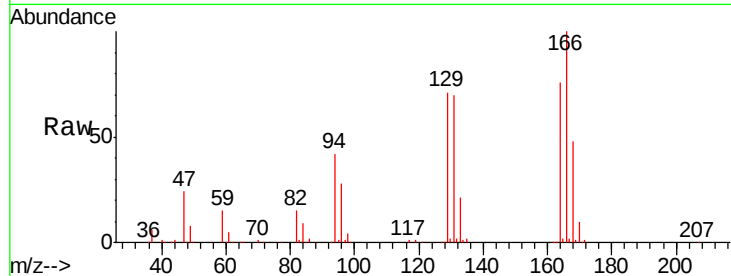
ClientSampleId :

ICVVN101218

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180010		
166	131.6	98.7	148.1	
129	93.1	69.6	104.4	
131	92.1	72.4	108.6	

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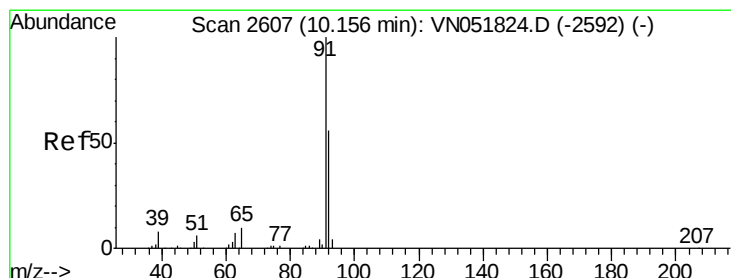
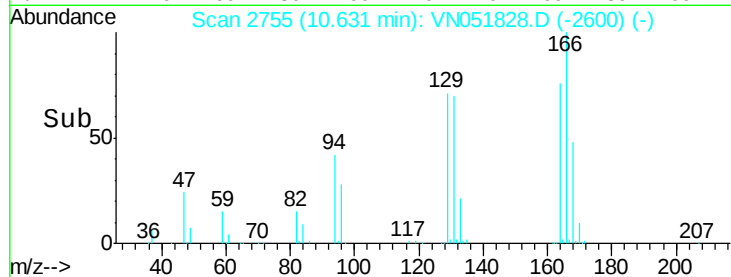
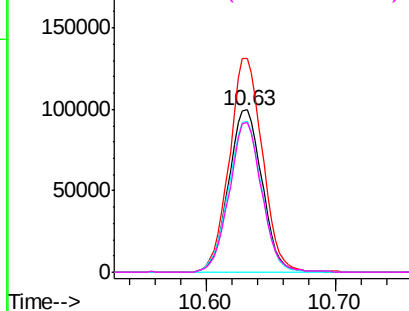


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.43 ug/l

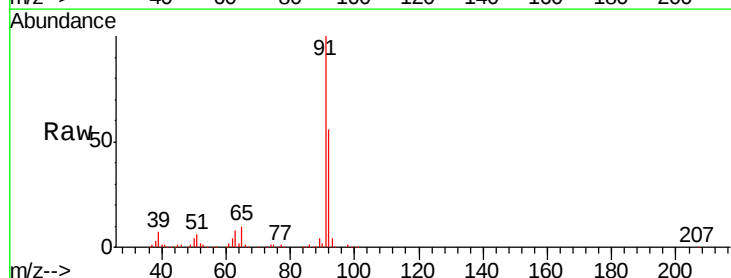
RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051828.D

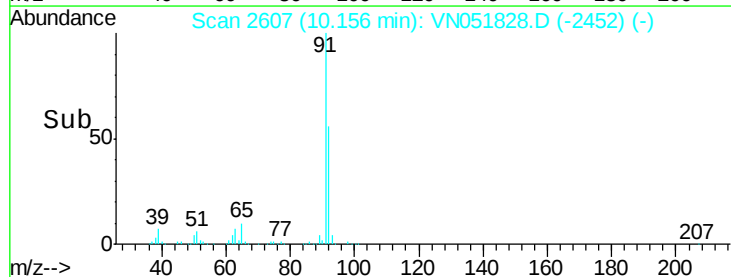
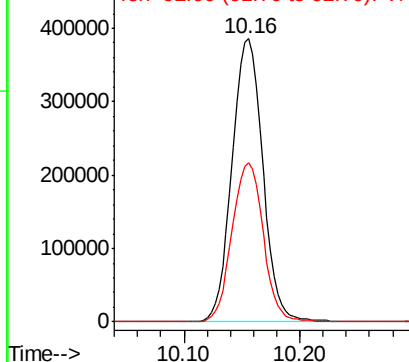
Acq: 12 Oct 2018 11:41

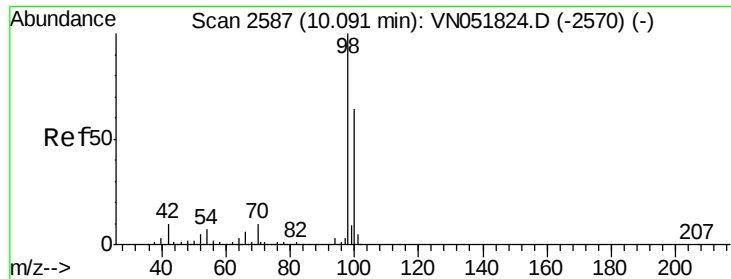
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	712772		
92	57.0	44.6	66.8	



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.43 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101218

Tgt Ion: 98 Resp: 919541

Ion Ratio Lower Upper

98 100

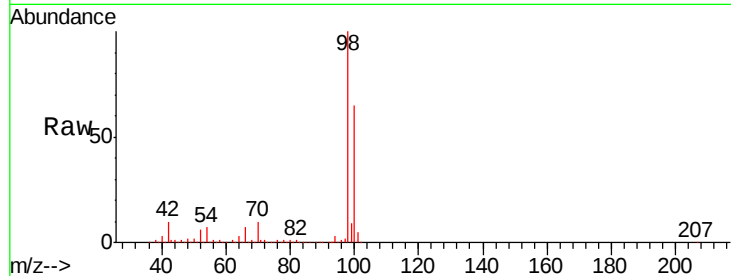
100 64.1 50.8 76.2

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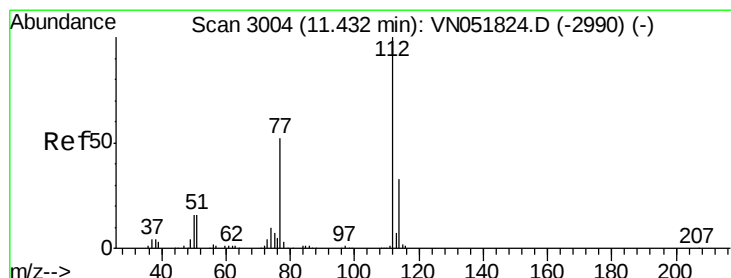
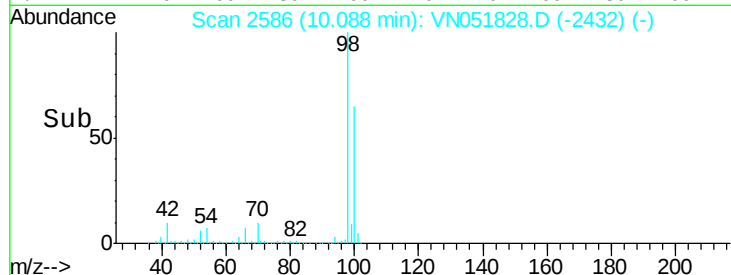
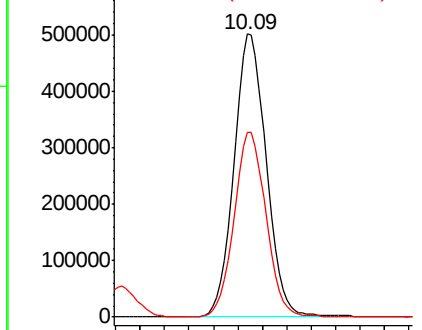
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Abundance Ion 98.00 (97.70 to 98.70): VN051828.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051828.D (-2570) (-)



#64

Chlorobenzene

Concen: 19.95 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051828.D

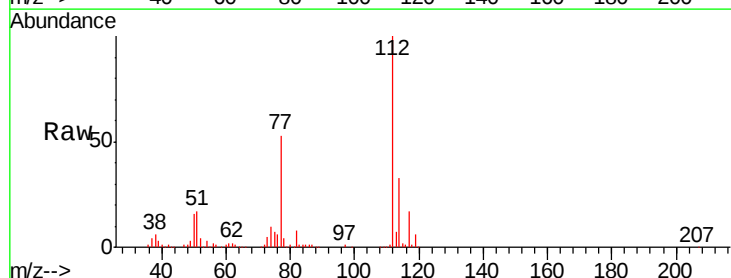
Acq: 12 Oct 2018 11:41

Tgt Ion: 112 Resp: 455883

Ion Ratio Lower Upper

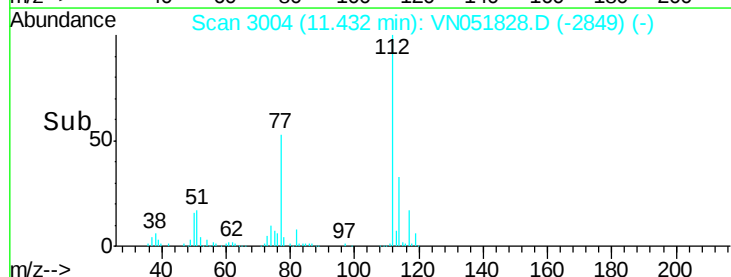
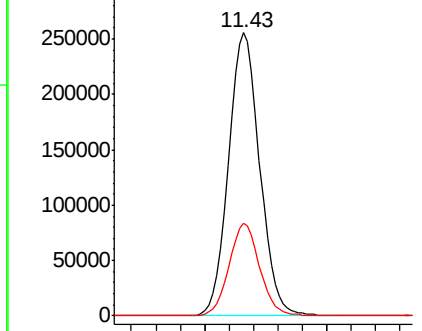
112 100

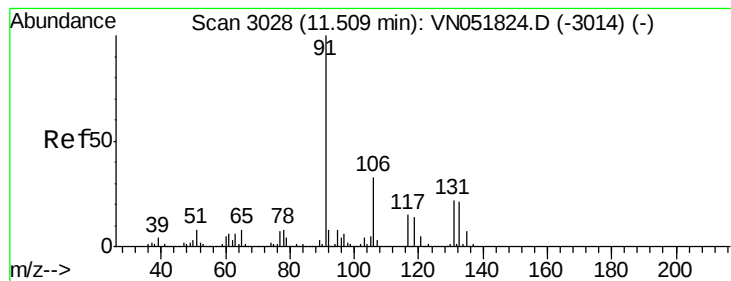
114 32.7 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051828.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN051828.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.94 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

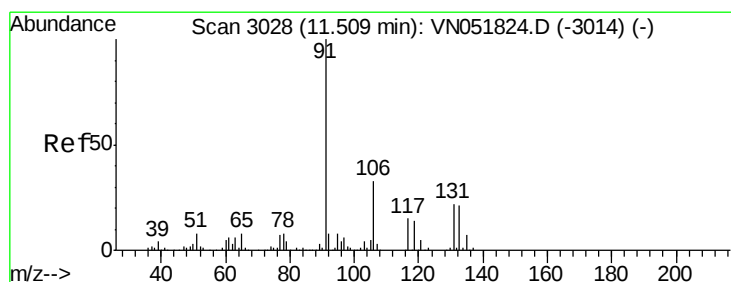
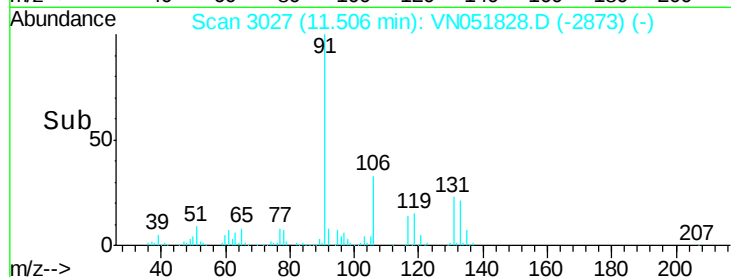
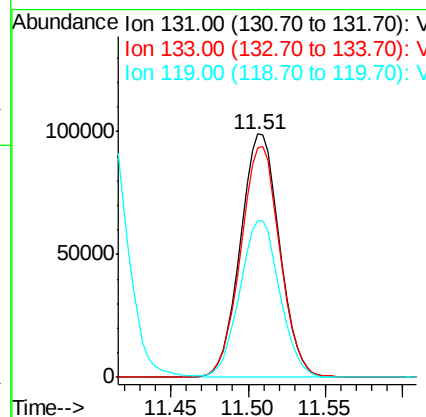
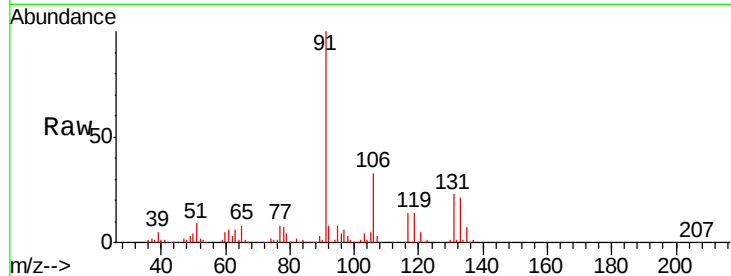
ClientSampleId :

ICVFN101218

Tgt Ion:	131	Resp:	174843
Ion Ratio	Lower	Upper	
131	100		
133	94.9	0.0	190.4
119	65.6	0.0	128.0

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#66

Ethyl Benzene

Concen: 20.36 ug/l

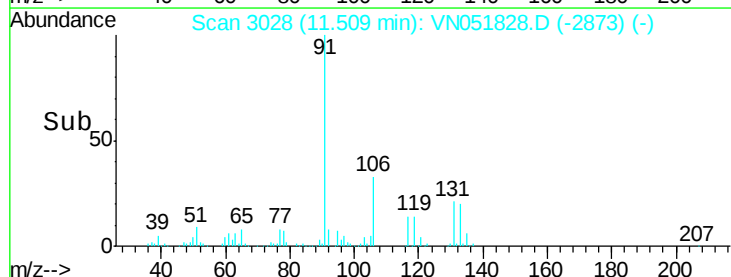
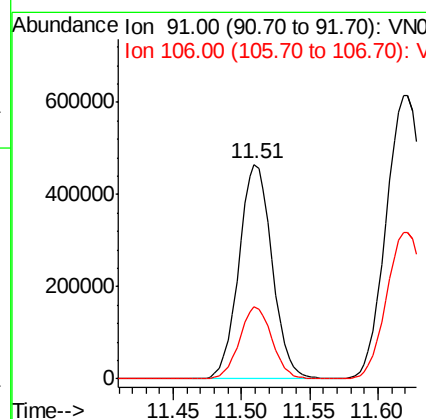
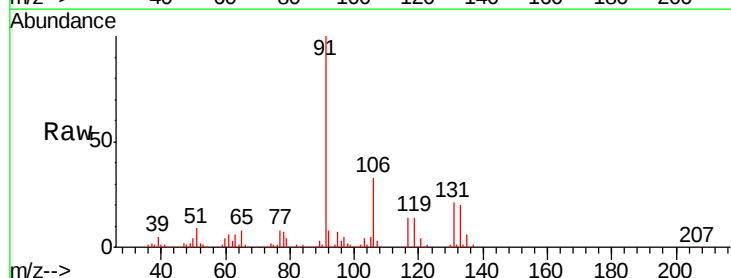
RT: 11.51 min Scan# 3028

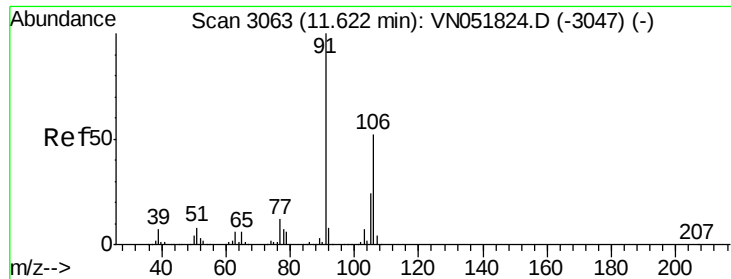
Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Tgt Ion:	91	Resp:	785160
Ion Ratio	Lower	Upper	
91	100		
106	33.5	25.9	38.9





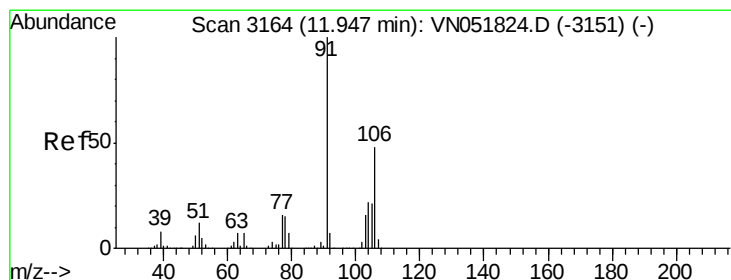
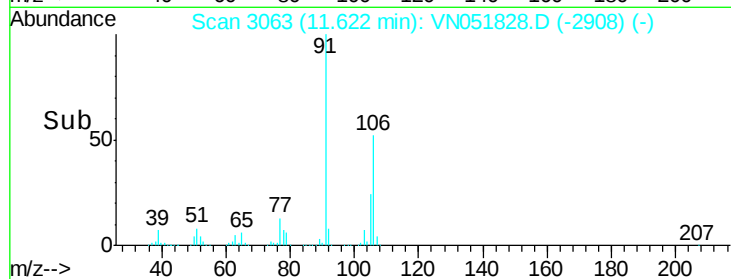
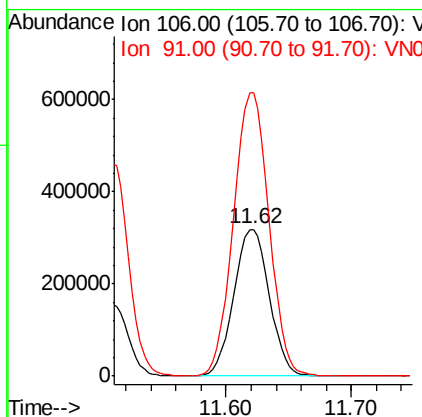
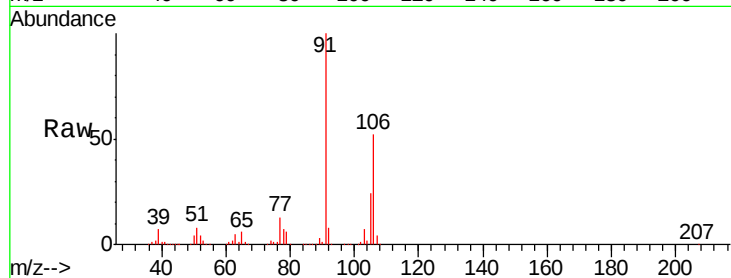
#67
m/p-Xylenes
Concen: 40.16 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101218

Tgt Ion:106 Resp: 627700
Ion Ratio Lower Upper
106 100
91 192.7 158.8 238.2

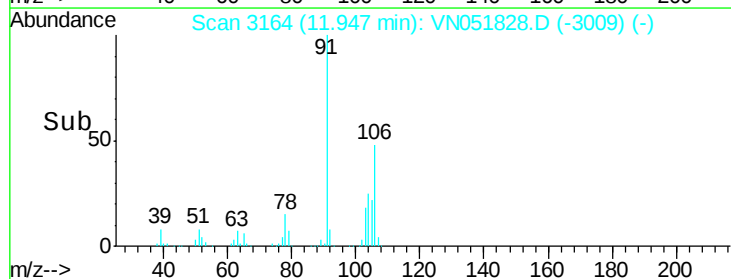
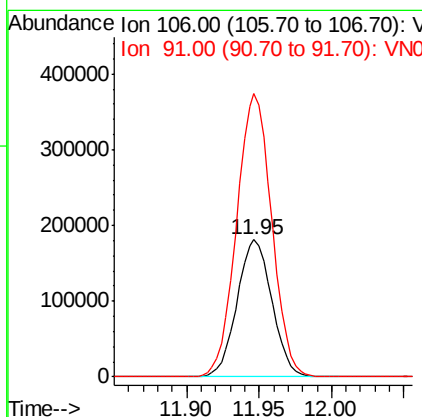
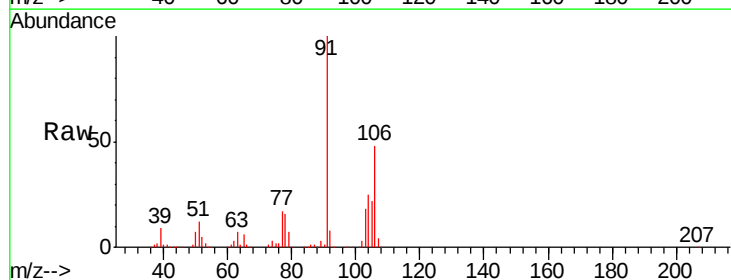
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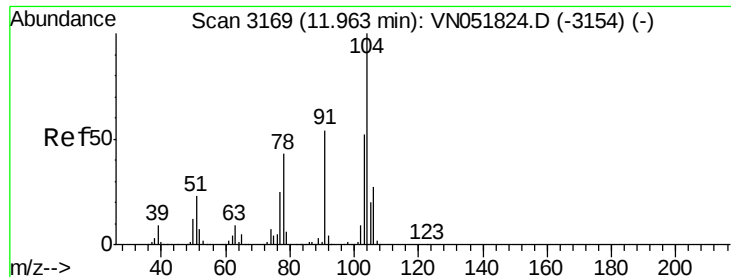
MMDadoda
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#68
o-Xylene
Concen: 19.69 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion:106 Resp: 303437
Ion Ratio Lower Upper
106 100
91 206.7 111.1 333.3





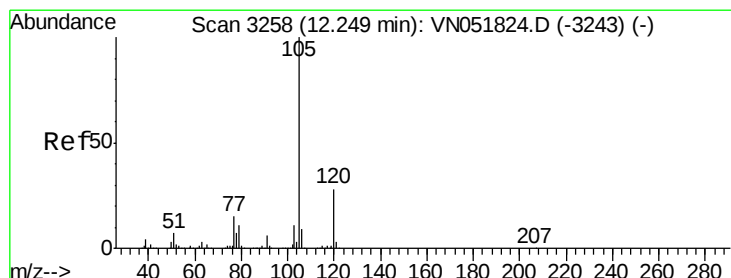
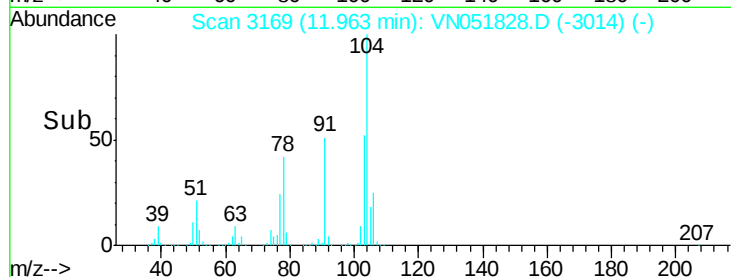
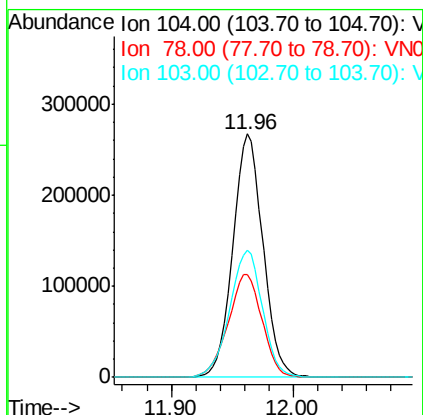
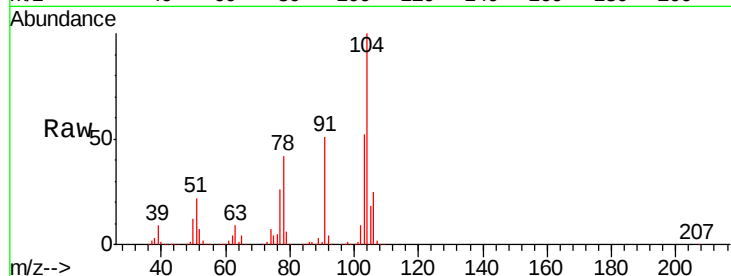
#69
 Styrene
 Concen: 19.38 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	458081		
78	47.9	40.6	60.8	
103	57.0	44.0	66.0	

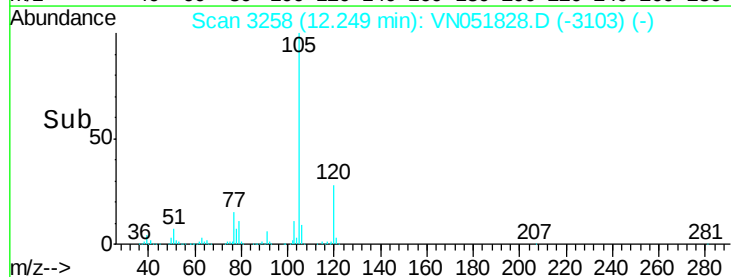
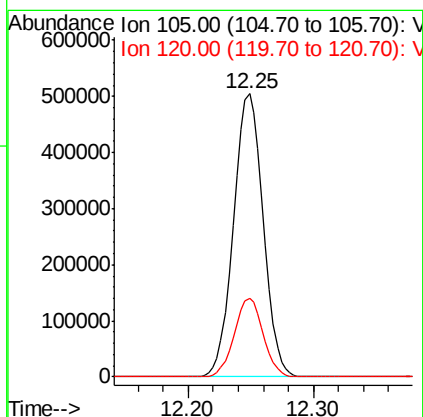
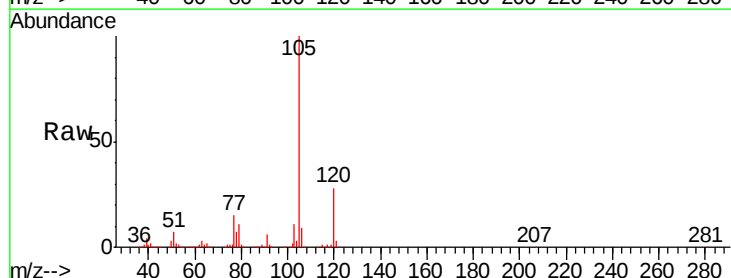
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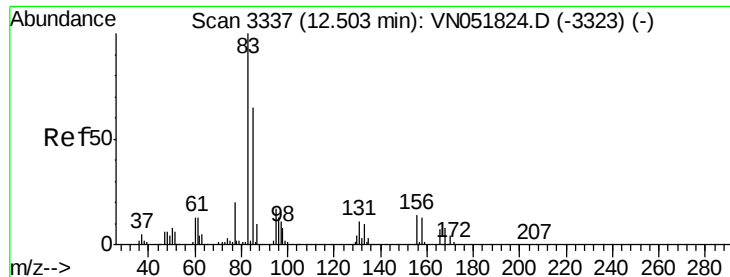
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 10/15/2018 11:27:52 AM



#70
 Isopropylbenzene
 Concen: 20.12 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	826585		
120	27.1	19.0	35.4	





#71

1,1,2,2-Tetrachloroethane

Concen: 20.11 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

ICVFN101218

Tgt Ion: 83 Resp: 163205
Ion Ratio Lower Upper

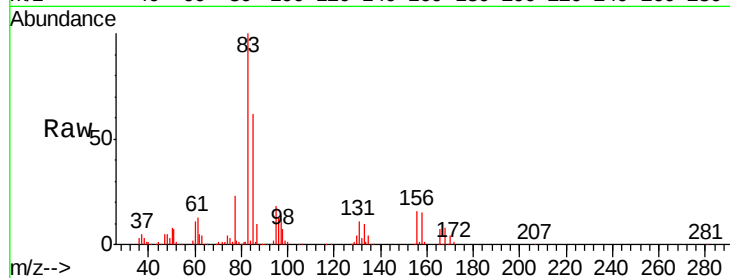
83 100

131 11.6 5.5 16.4

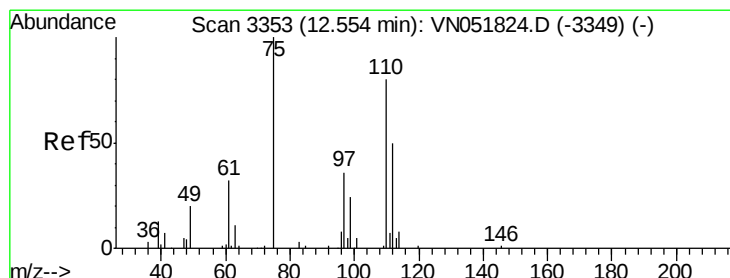
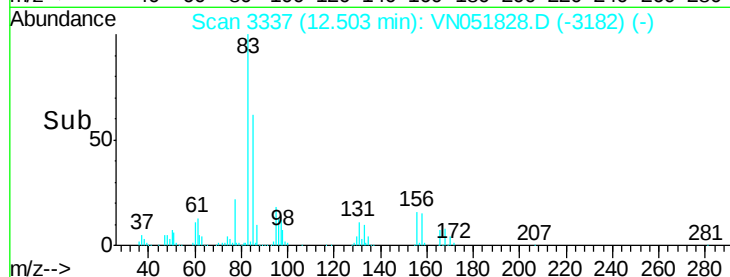
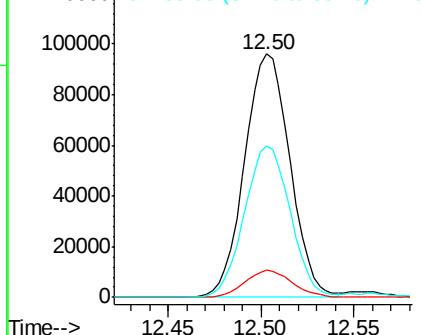
85 62.9 30.6 91.8

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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 131.00 (130.70 to 131.70): VN
Ion 85.00 (84.70 to 85.70): VN



#72

1,2,3-Trichloropropane

Concen: 18.48 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

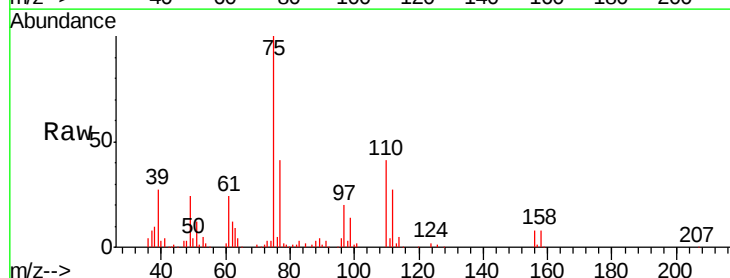
Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

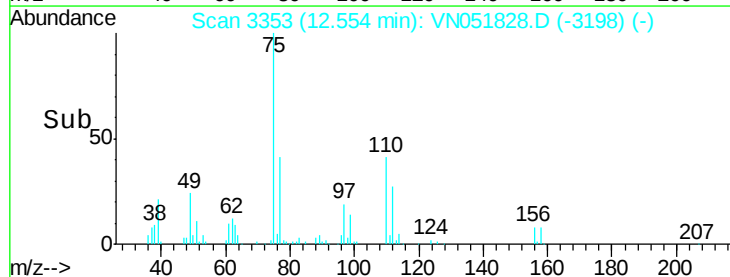
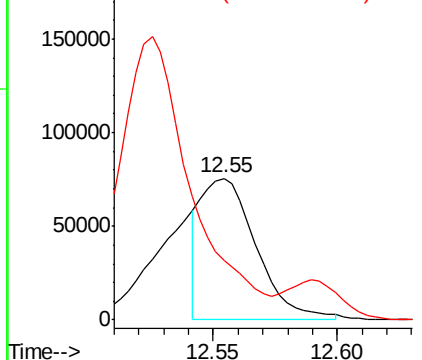
Tgt Ion: 75 Resp: 117998
Ion Ratio Lower Upper

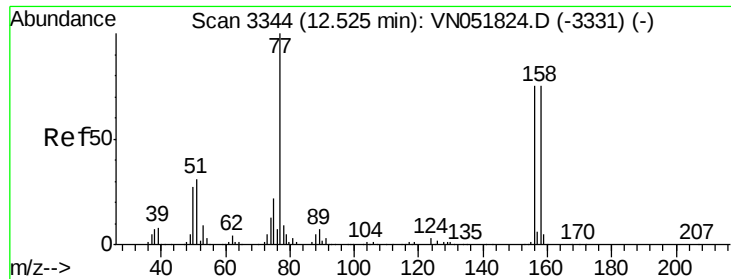
75 100

77 258.1 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN





#73

Bromobenzene

Concen: 19.36 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

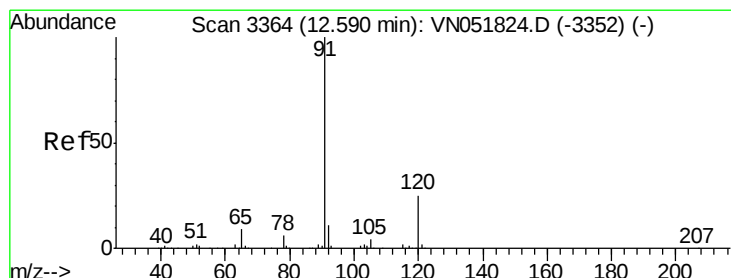
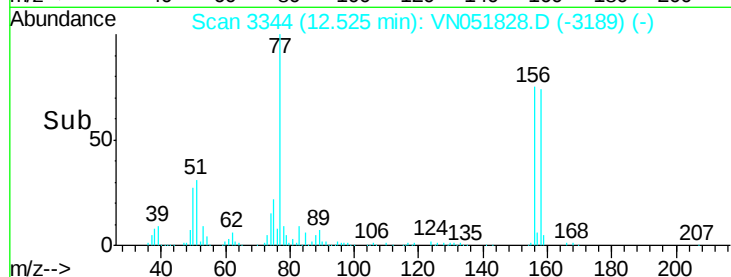
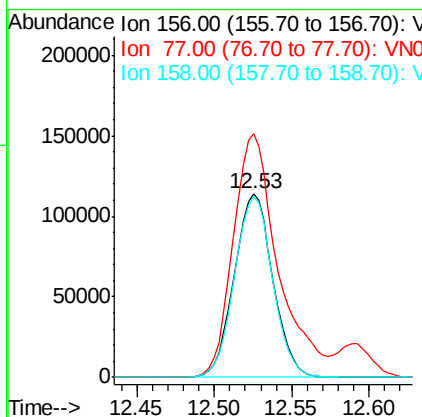
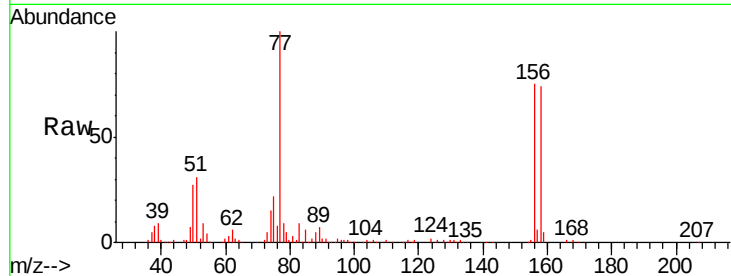
ClientSampleId :

ICVVN101218

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	197077		
77	154.5	0.0	377.4	
158	97.8	0.0	203.0	

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#74

n-propylbenzene

Concen: 19.94 ug/l

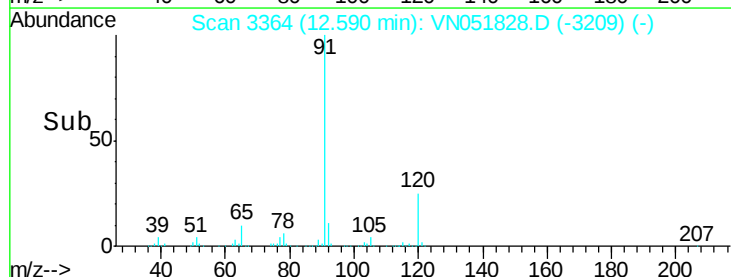
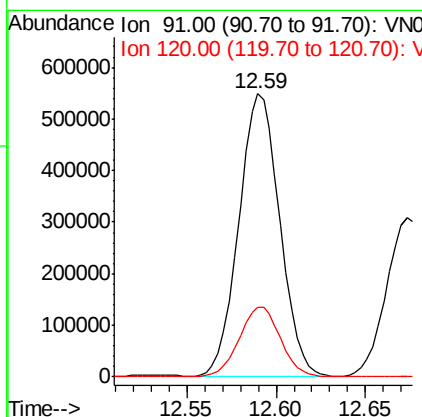
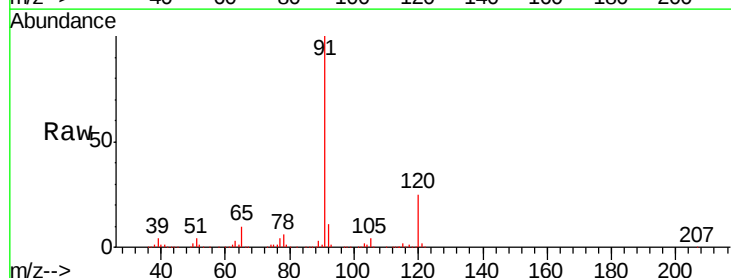
RT: 12.59 min Scan# 3364

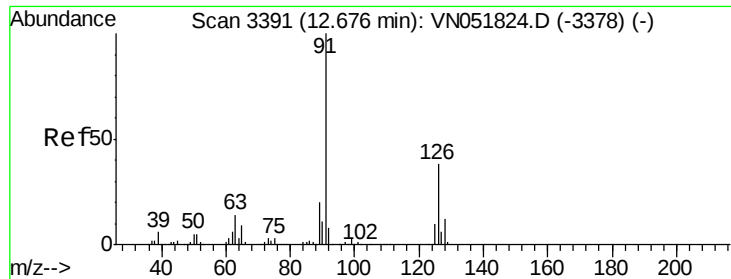
Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	881370		
120	24.7	0.0	45.0	





#75

2-Chlorotoluene

Concen: 19.88 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

ClientSampleId :

ICVVN101218

Tgt Ion: 91 Resp: 515217

Ion Ratio Lower Upper

91 100

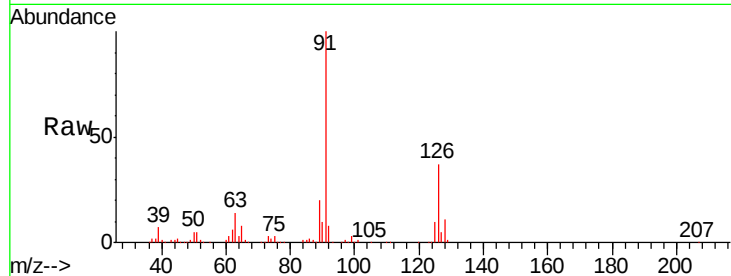
126 36.8 0.0 67.6

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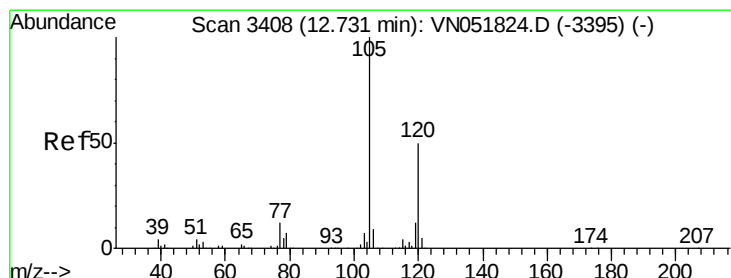
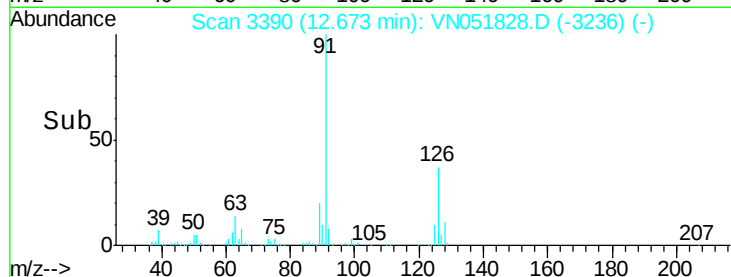
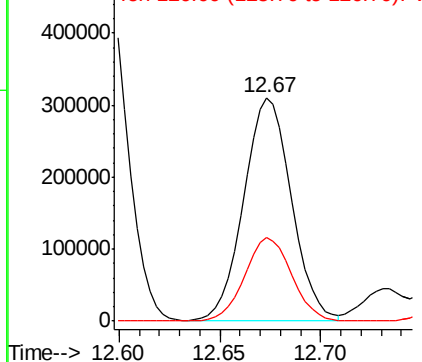
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN051828.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051828.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.76 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051828.D

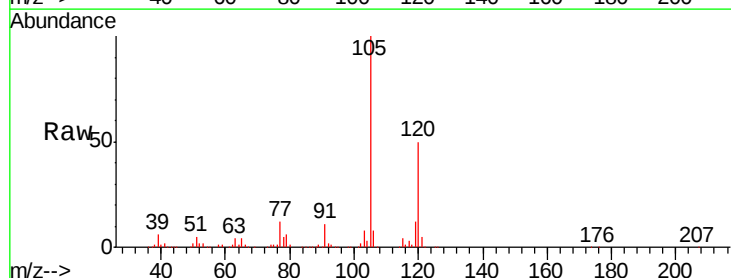
Acq: 12 Oct 2018 11:41

Tgt Ion: 105 Resp: 671406

Ion Ratio Lower Upper

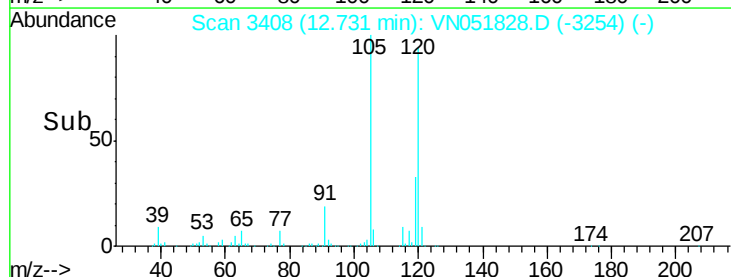
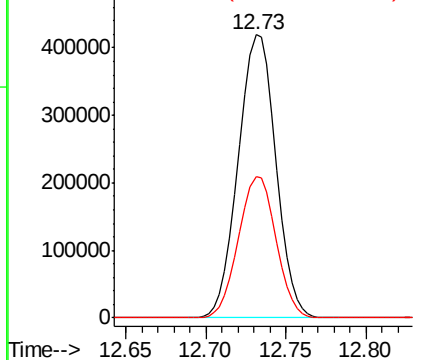
105 100

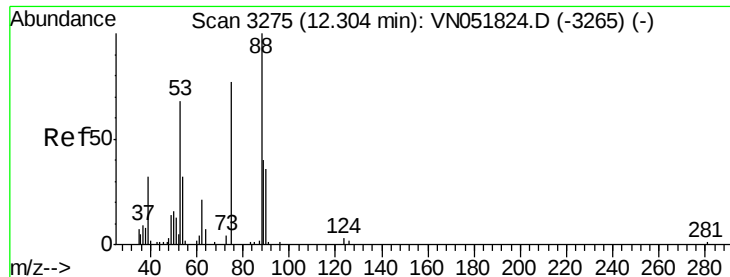
120 49.8 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051828.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051828.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.30 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

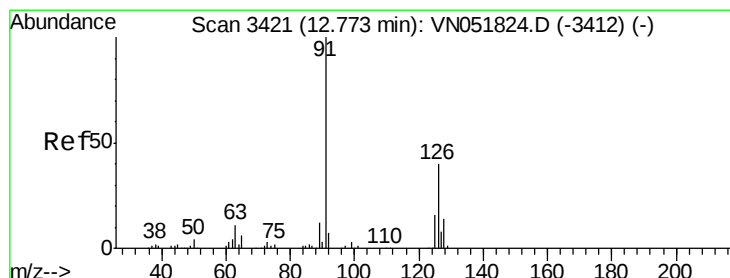
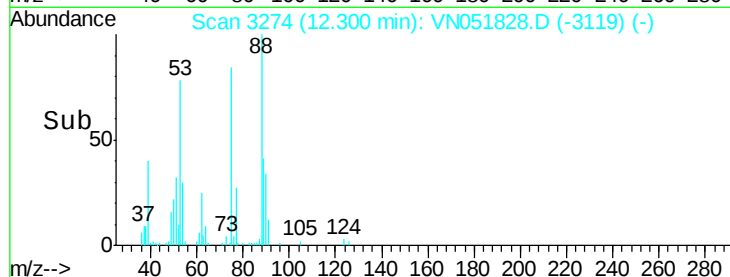
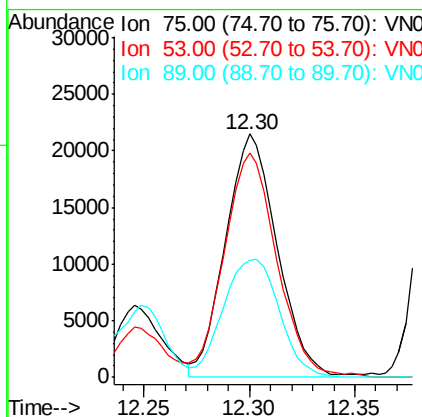
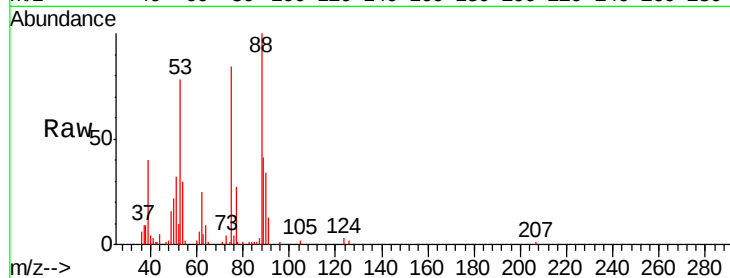
ClientSampleId :

ICVVN101218

Tgt Ion:	75	Resp:	36533
Ion Ratio	Lower	Upper	
75	100		
53	91.7	46.3	138.9
89	48.7	24.6	73.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.45 ug/l

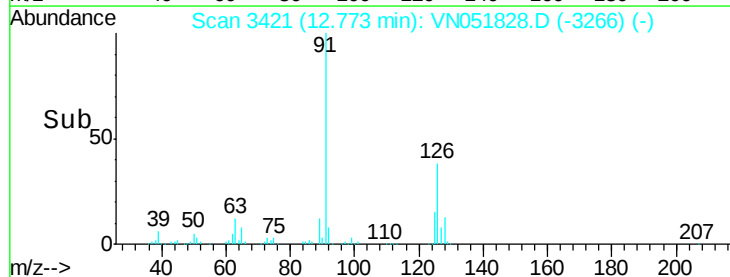
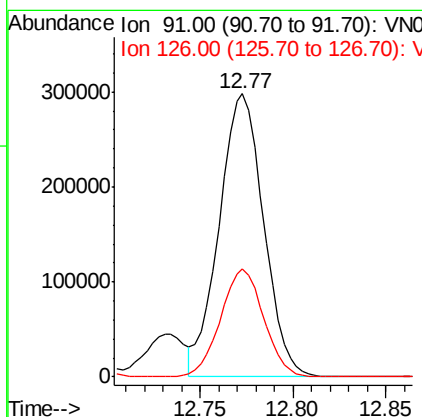
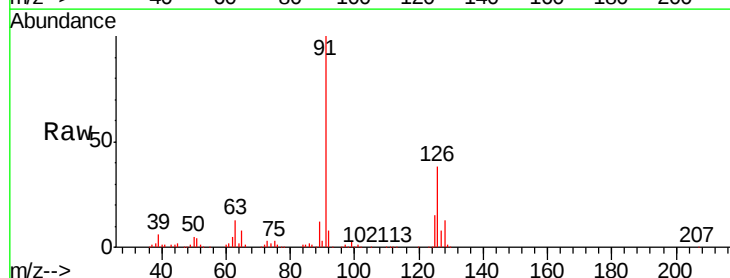
RT: 12.77 min Scan# 3421

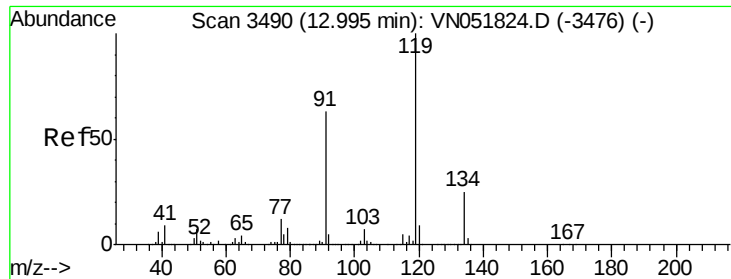
Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Tgt Ion:	91	Resp:	495316
Ion Ratio	Lower	Upper	
91	100		
126	37.0	0.0	65.2





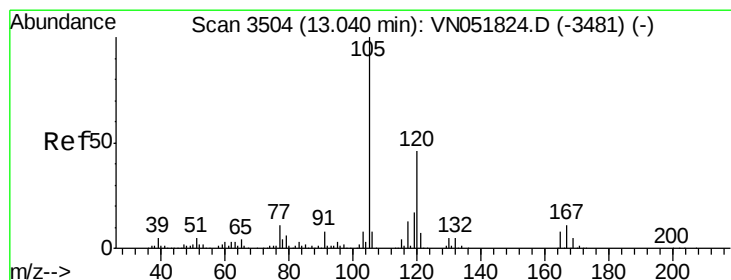
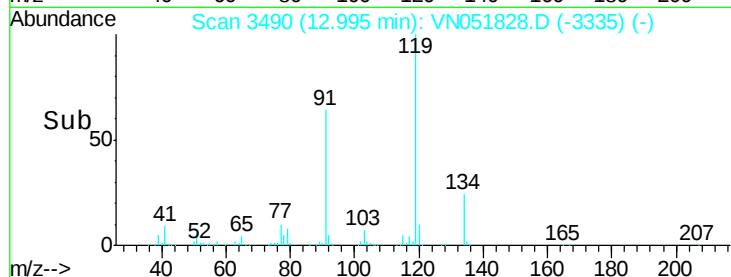
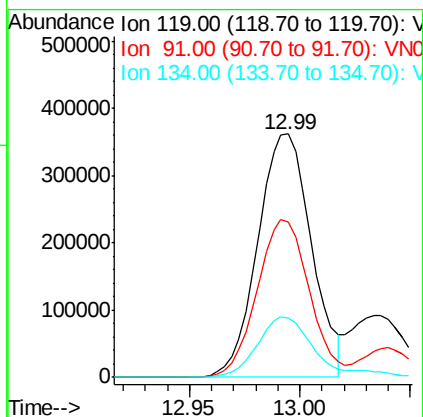
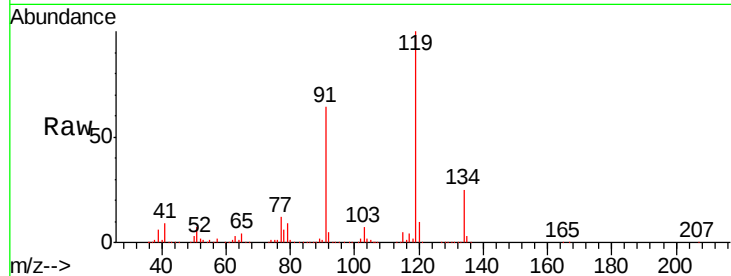
#79
tert-butylbenzene
Concen: 19.53 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101218

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	610285		
91	63.2	0.0	131.6	
134	26.8	0.0	46.2	

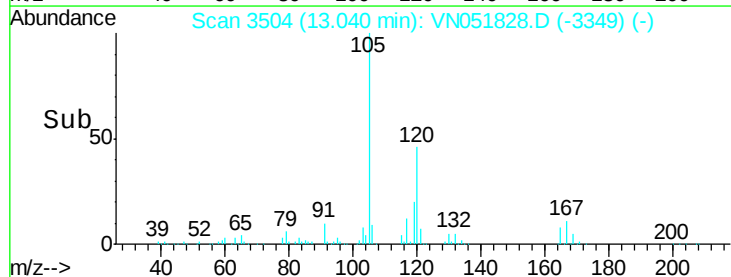
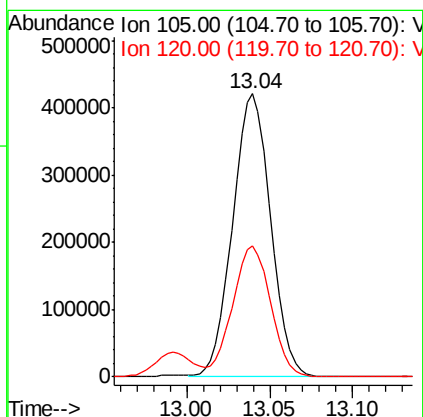
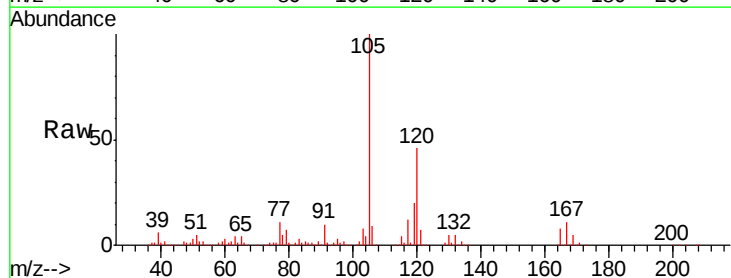
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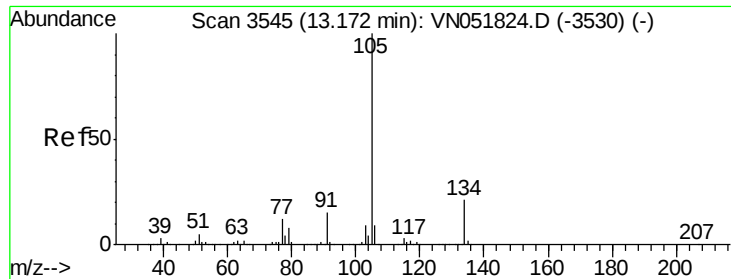
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#80
1,2,4-Trimethylbenzene
Concen: 19.73 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	670082		
120	46.3	0.0	89.6	





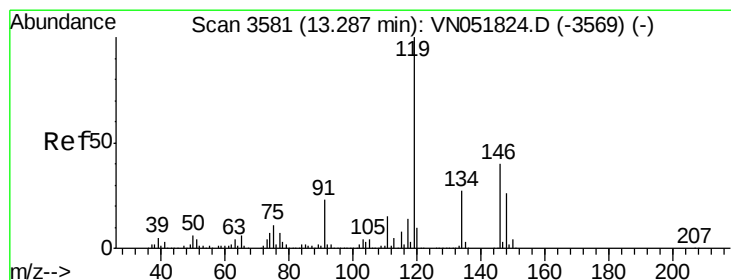
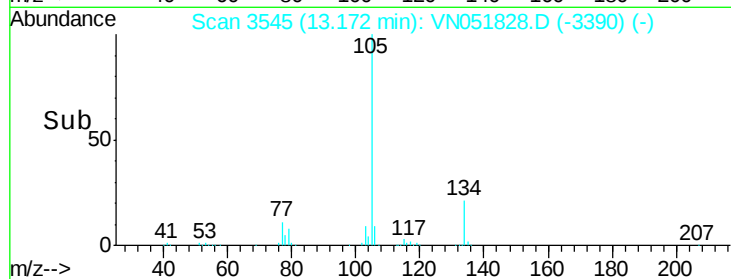
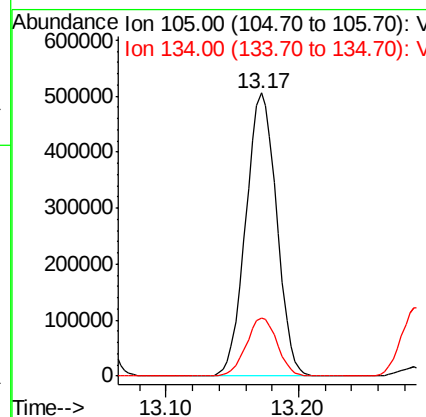
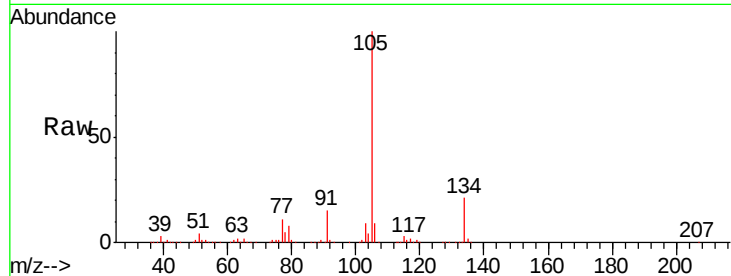
#81
 sec-Butylbenzene
 Concen: 19.97 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	816505		
134	20.6	0.0	39.4	

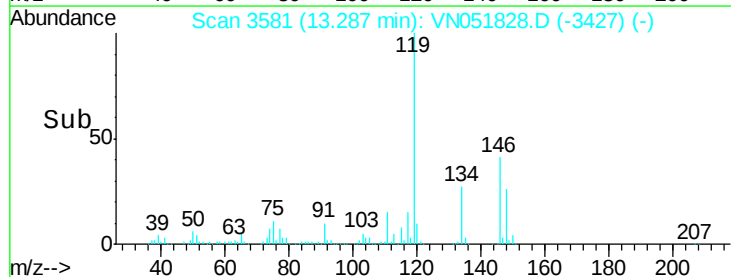
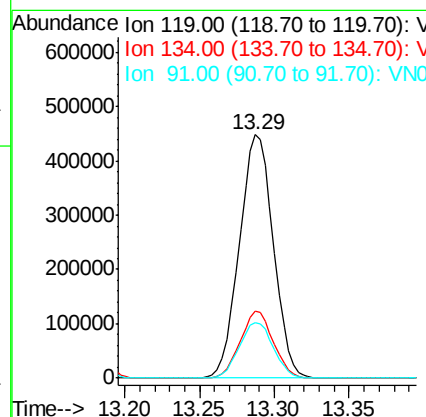
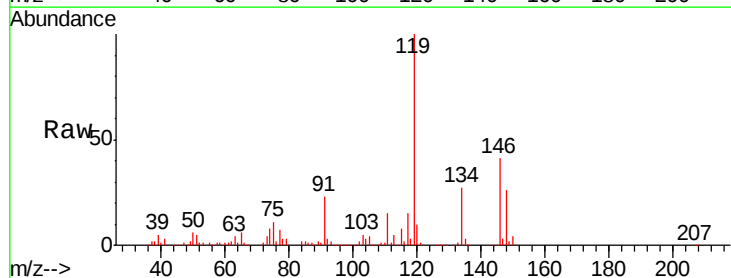
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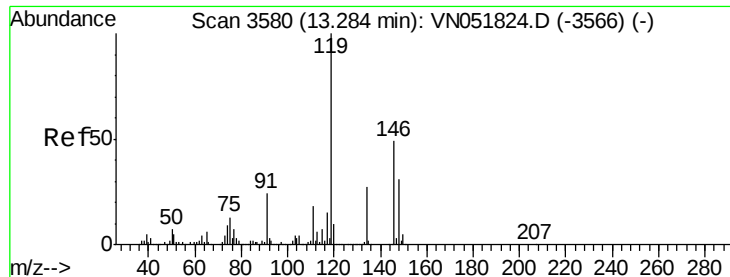
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#82
 p-Isopropyltoluene
 Concen: 19.30 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	705858		
134	26.9	0.0	53.6	
91	22.9	0.0	52.0	





#83

1,3-Dichlorobenzene

Concen: 18.77 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

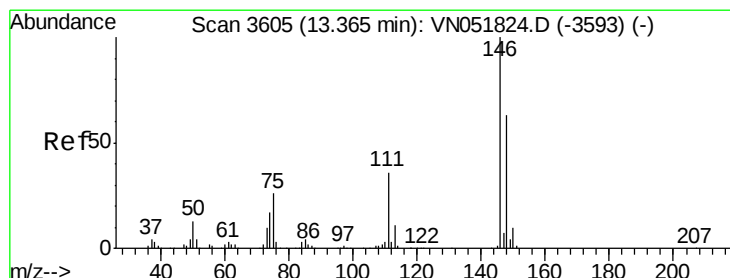
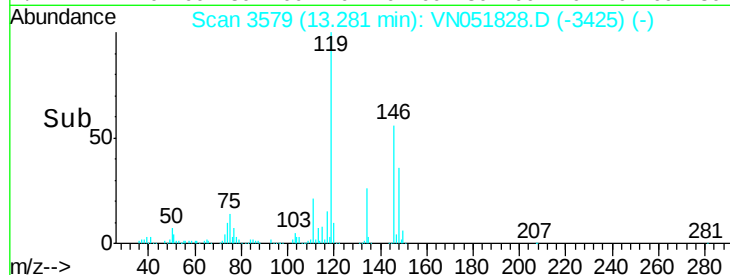
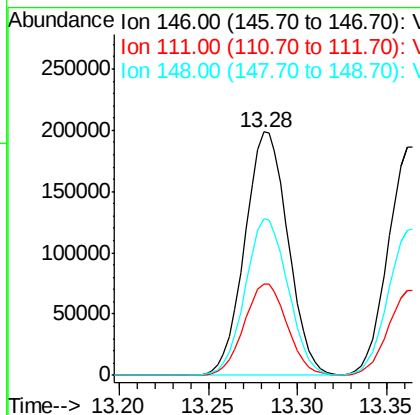
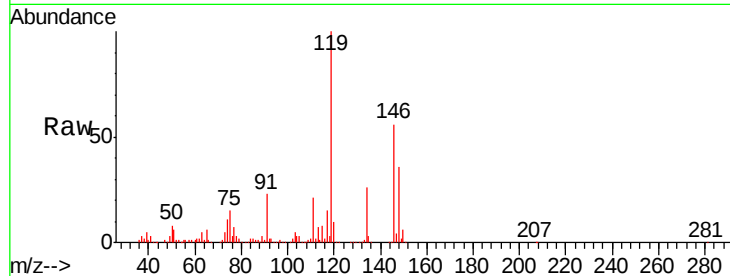
ClientSampleId :

ICVVN101218

Tgt Ion:	146	Resp:	337018
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.1	54.3
148	63.8	31.3	93.8

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#84

1,4-Dichlorobenzene

Concen: 18.62 ug/l

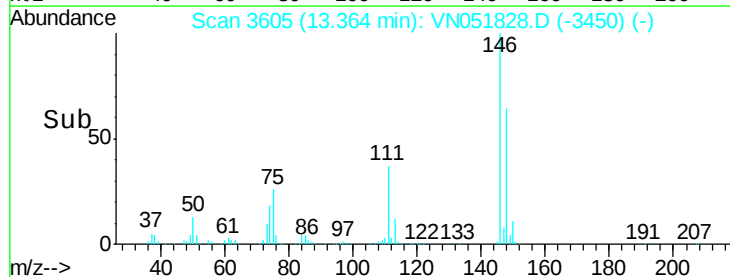
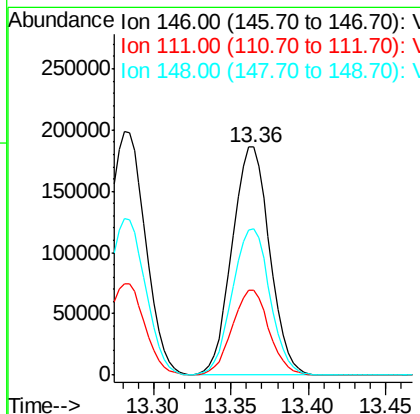
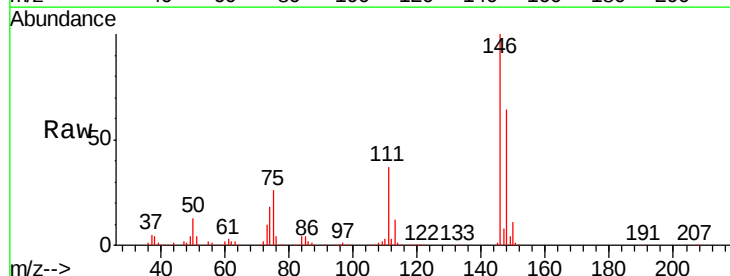
RT: 13.36 min Scan# 3605

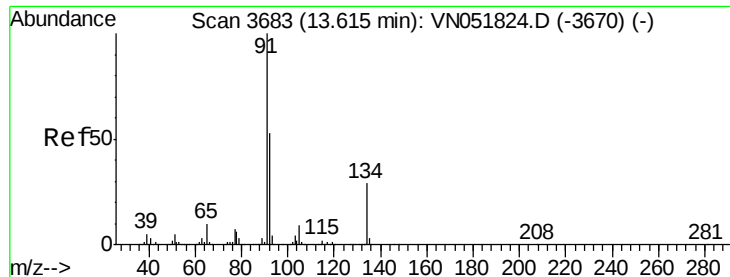
Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Tgt Ion:	146	Resp:	314746
Ion Ratio	Lower	Upper	
146	100		
111	36.1	17.4	52.2
148	64.3	32.8	98.3





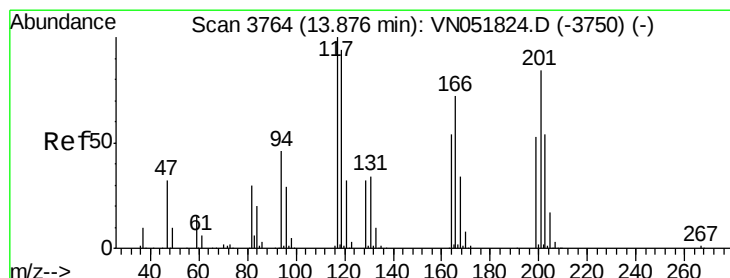
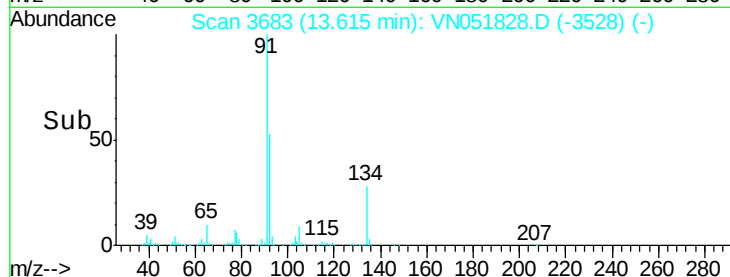
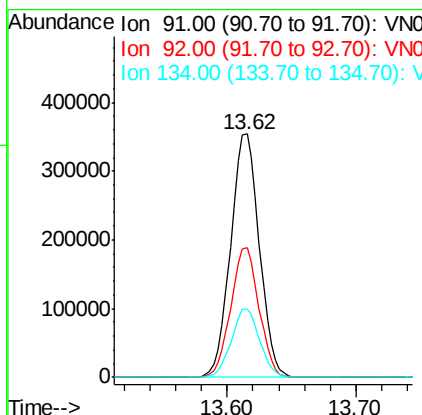
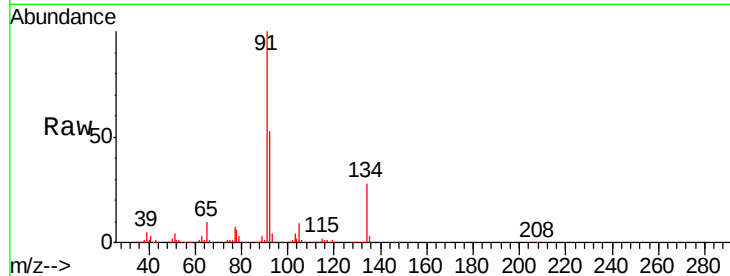
#85
n-Butylbenzene
Concen: 19.82 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVVN101218

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	546606		
92	52.2	0.0	97.4	
134	27.7	0.0	49.6	

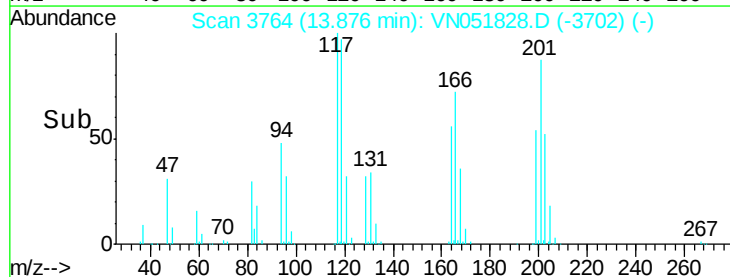
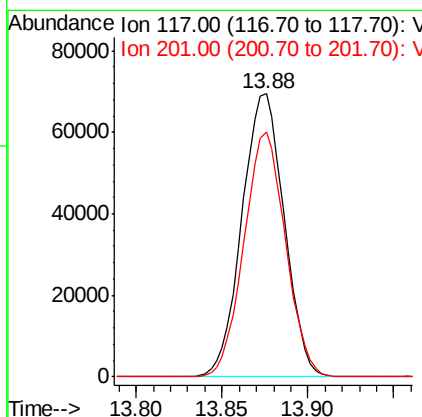
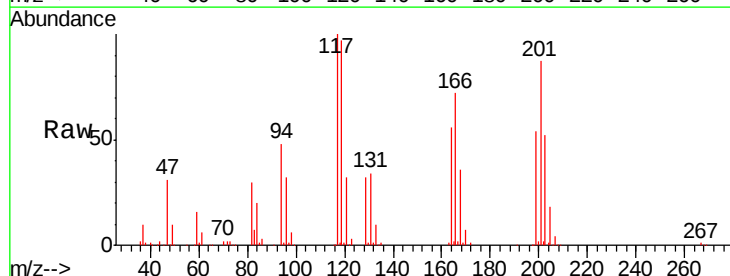
Manual Integrations
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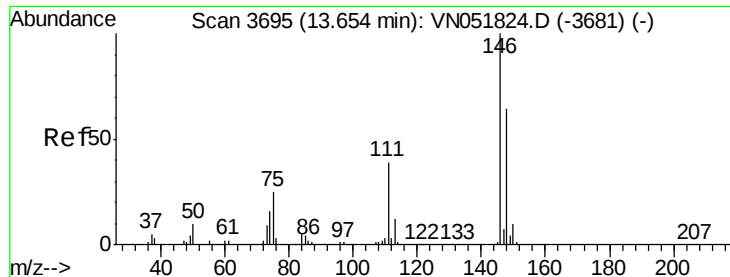
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#86
Hexachloroethane
Concen: 18.78 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	118464		
201	84.8	47.8	143.3	





#87

1,2-Dichlorobenzene

Concen: 19.22 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Instrument :

MSVOA_N

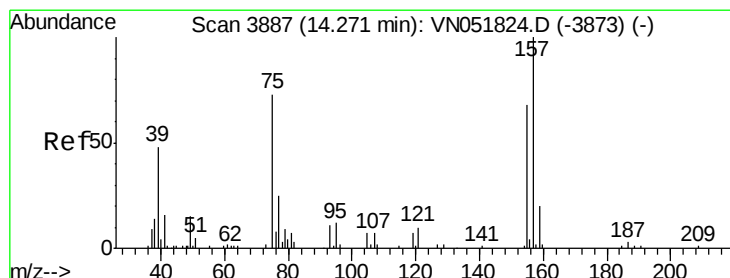
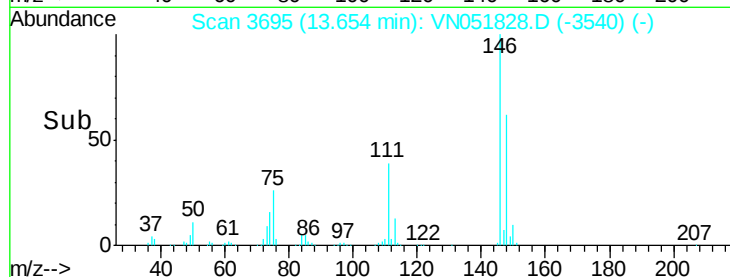
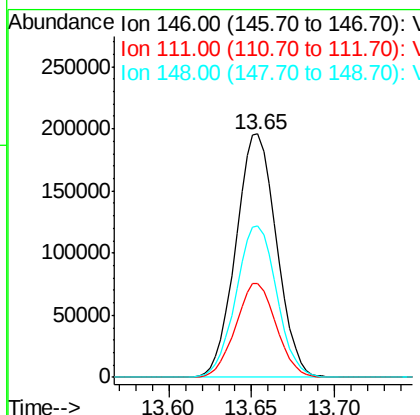
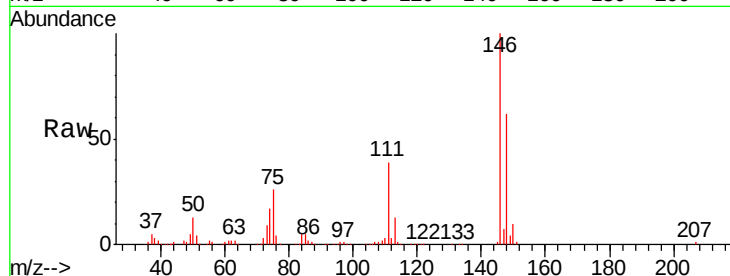
ClientSampleId :

ICVVN101218

Tgt Ion:	146	Resp:	334185
Ion Ratio	Lower	Upper	
146	100		
111	38.6	20.8	62.2
148	62.3	33.2	99.6

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.53 ug/l

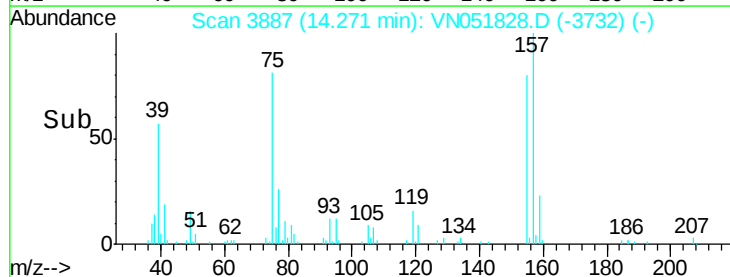
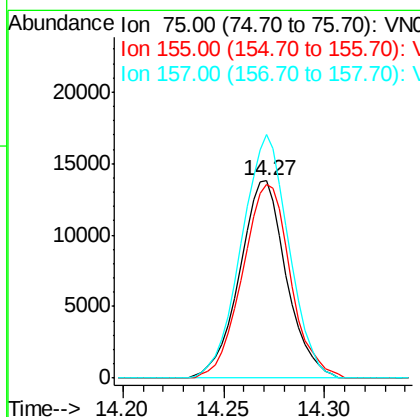
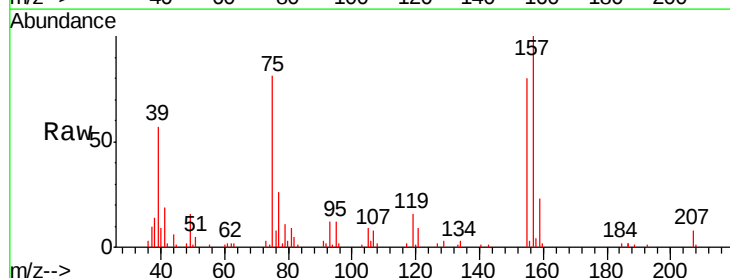
RT: 14.27 min Scan# 3887

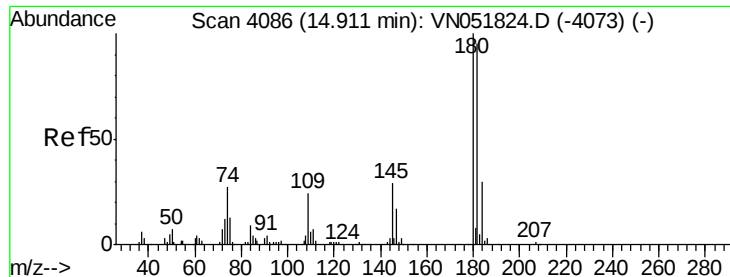
Delta R.T. -0.00 min

Lab File: VN051828.D

Acq: 12 Oct 2018 11:41

Tgt Ion:	75	Resp:	22450
Ion Ratio	Lower	Upper	
75	100		
155	100.5	57.0	85.6#
157	125.2	87.4	131.0





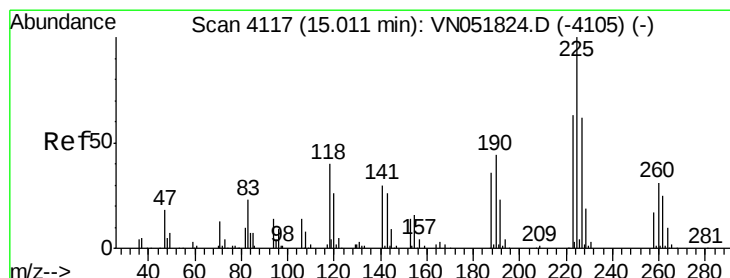
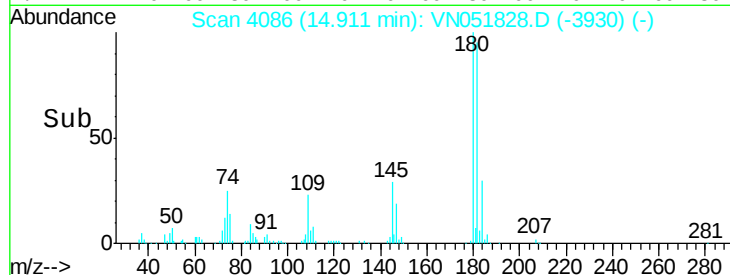
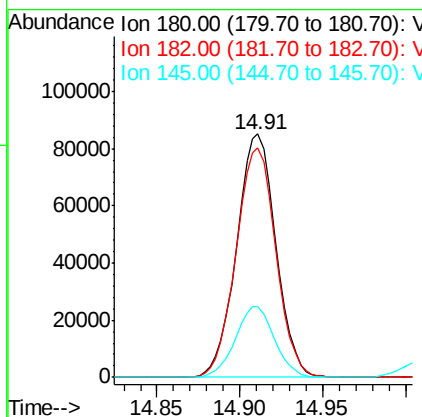
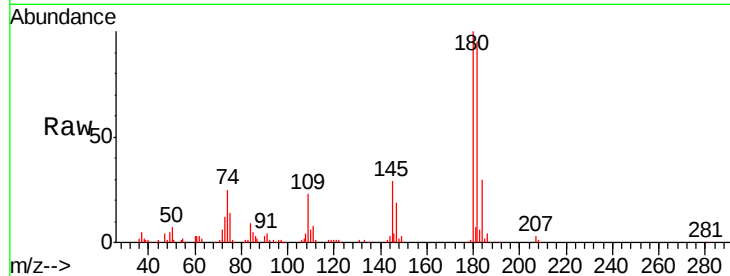
#89
 1,2,4-Trichlorobenzene
 Concen: 19.93 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.7	116.5
145	28.9	23.4	35.2

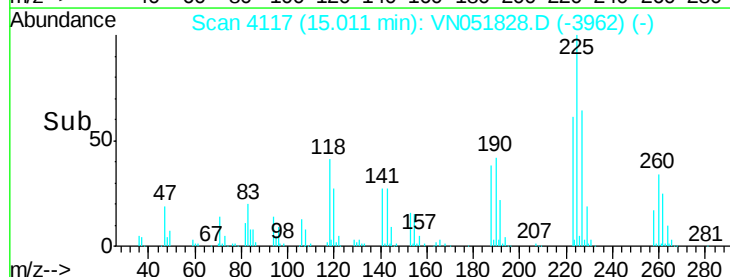
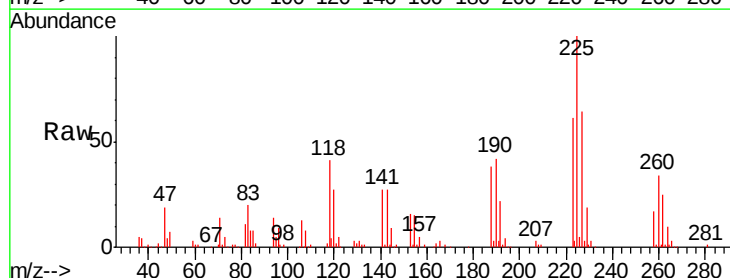
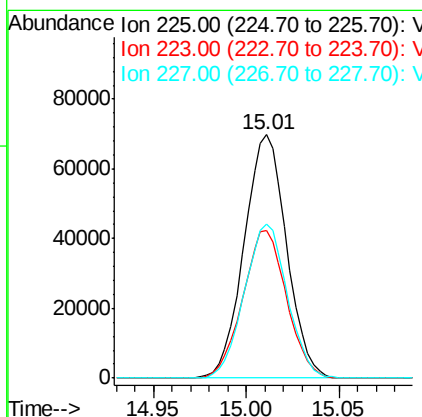
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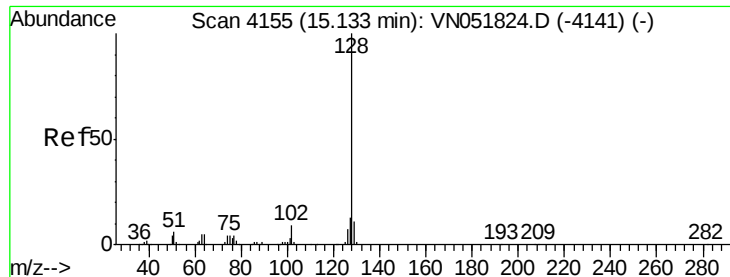
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#90
 Hexachlorobutadiene
 Concen: 19.89 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051828.D
 Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	0.0	117.0
227	63.8	0.0	127.0





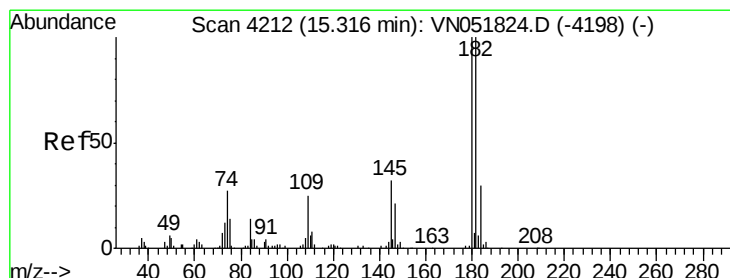
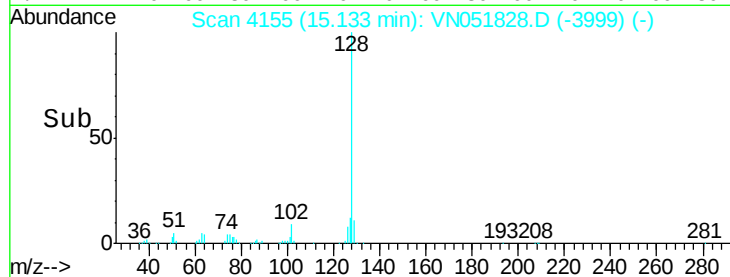
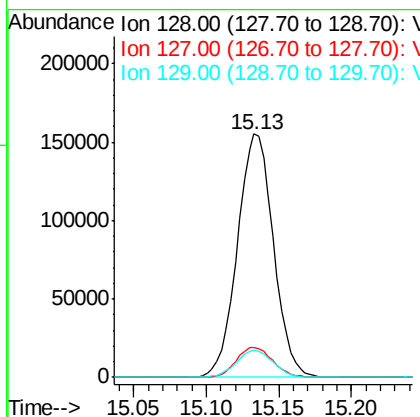
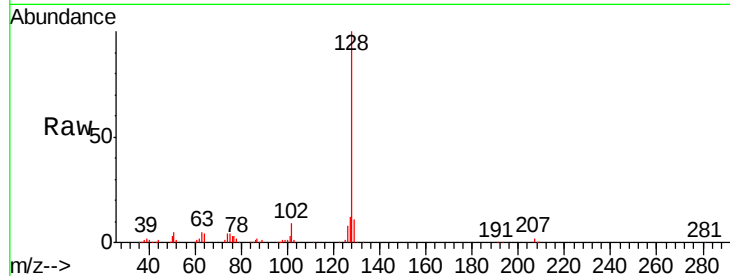
#91
Naphthalene
Concen: 19.78 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Instrument :
MSVOA_N
ClientSampleId :
ICVFN101218

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	267574		
127	12.5	10.1	15.1	
129	11.5	8.4	12.6	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 18.38 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051828.D
Acq: 12 Oct 2018 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	145412		
182	95.7	0.0	198.0	
145	30.8	0.0	36.8	

