

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101718\
 Data File : VN051903.D
 Acq On : 17 Oct 2018 10:59
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 3:29:31 PM

Quant Time: Oct 19 04:56:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 19 04:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1071716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1534125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1466056	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	801555	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	1366091	137.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.00%	
35) Dibromofluoromethane	7.59	113	1466349	150.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.76%	
50) Toluene-d8	10.09	98	5395810	152.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.04%	
62) 4-Bromofluorobenzene	12.40	95	1932536	163.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	903373	139.31	ug/l	99
3) Chloromethane	2.06	50	838659	132.36	ug/l	99
4) Vinyl Chloride	2.18	62	1281880	133.95	ug/l	99
5) Bromomethane	2.54	94	1147248	125.87	ug/l	98
6) Chloroethane	2.69	64	904226	130.20	ug/l	99
7) Trichlorofluoromethane	3.01	101	2098869	142.33	ug/l	98
8) Diethyl Ether	3.41	74	615677	142.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1187032	140.29	ug/l	99
10) Methyl Iodide	3.95	142	1766708	171.05	ug/l	100
11) Tert butyl alcohol	4.79	59	377027	718.64	ug/l	100
12) 1,1-Dichloroethene	3.73	96	1098959	142.48	ug/l	97
13) Acrolein	3.61	56	276263	634.65	ug/l	98
14) Allyl chloride	4.32	41	1243707	153.63	ug/l	98
15) Acrylonitrile	4.99	53	1576021	749.68	ug/l	100
16) Acetone	3.82	43	1138930	647.38	ug/l	97
17) Carbon Disulfide	4.05	76	2834211	147.38	ug/l	99
18) Methyl Acetate	4.32	43	733428	125.06	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	3162735	142.29	ug/l	99
20) Methylene Chloride	4.55	84	1238123	138.44	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	1292910	145.86	ug/l	98
22) Diisopropyl ether	5.95	45	2826141	145.16	ug/l	99
23) Vinyl Acetate	5.90	43	10068999	751.22	ug/l	98
24) 1,1-Dichloroethane	5.85	63	1980823	140.49	ug/l	99
25) 2-Butanone	6.84	43	1730320	688.18	ug/l	96
26) 2,2-Dichloropropane	6.83	77	1944548	145.83	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	1513720	146.95	ug/l	98
28) Bromochloromethane	7.20	49	829950	144.96	ug/l	95
29) Tetrahydrofuran	7.21	42	1082204	704.69	ug/l	100
30) Chloroform	7.37	83	2451297	145.33	ug/l	98
31) Cyclohexane	7.65	56	1627478	106.18	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	2345670	149.10	ug/l	98
36) 1,1-Dichloropropene	7.79	75	1731480	145.42	ug/l	99
37) Ethyl Acetate	6.93	43	789710	151.09	ug/l	99
38) Carbon Tetrachloride	7.78	117	2156105	153.76	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2190615	148.57	ug/l	99
40) Benzene	8.04	78	5145570	147.93	ug/l	100
41) Methacrylonitrile	7.18	41	412374	152.55	ug/l	84
42) 1,2-Dichloroethane	8.12	62	1609108	144.40	ug/l	98
43) Isopropyl Acetate	8.17	43	1558540	147.49	ug/l #	90
44) Trichloroethene	8.84	130	1677864	153.71	ug/l	98
45) 1,2-Dichloropropane	9.12	63	1184261	147.23	ug/l	98
46) Dibromomethane	9.21	93	936179	152.70	ug/l	96
47) Bromodichloromethane	9.40	83	1929539	157.03	ug/l	98
48) Methyl methacrylate	9.20	41	730675	152.01	ug/l	98
49) 1,4-Dioxane	9.20	88	265424	2907.27	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	4133566	745.73	ug/l	99
52) Toluene	10.16	92	3687160	158.46	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1956279	168.00	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2107454	162.31	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	1336283	156.73	ug/l	99
56) Ethyl methacrylate	10.43	69	1531283	160.65	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1999403	154.02	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	3283604	813.09	ug/l	98
59) 2-Hexanone	10.75	43	2794330	751.83	ug/l	99
60) Dibromochloromethane	10.90	129	1771942	177.09	ug/l	99
61) 1,2-Dibromoethane	11.00	107	1450126	162.16	ug/l	99
64) Tetrachloroethene	10.63	164	1682911	143.01	ug/l	98
65) Chlorobenzene	11.43	112	4411952	150.52	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	1731082	158.67	ug/l	99
67) Ethyl Benzene	11.51	91	7215049	150.26	ug/l	99
68) m/p-Xylenes	11.62	106	5996576	311.02	ug/l	98
69) o-Xylene	11.95	106	2920039	155.41	ug/l	99
70) Styrene	11.96	104	4775511	165.23	ug/l	98
71) Bromoform	12.13	173	1301828	191.59	ug/l #	99
73) Isopropylbenzene	12.25	105	7837854	126.31	ug/l	99
74) N-amyl acetate	12.07	43	1444949	135.43	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1533493	122.29	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1221682m	120.53	ug/l	
77) Bromobenzene	12.53	156	2188933	138.63	ug/l	95
78) n-propylbenzene	12.59	91	8486323	131.38	ug/l	98
79) 2-Chlorotoluene	12.67	91	4880126	124.14	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	6586792	131.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	440554	163.65	ug/l	97
82) 4-Chlorotoluene	12.77	91	5067687	134.26	ug/l	96
83) tert-Butylbenzene	12.99	119	6007185	127.45	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	6632824	134.50	ug/l	99
85) sec-Butylbenzene	13.17	105	7970064	133.02	ug/l	99
86) p-Isopropyltoluene	13.29	119	7404020	142.57	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	3970613	149.20	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	3898757	149.06	ug/l	97
89) n-Butylbenzene	13.62	91	5812741	154.30	ug/l	99
90) Hexachloroethane	13.88	117	1280696	147.45	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	3788110	146.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	233461	138.97	ug/l	89

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2118045	189.69	ug/l	99
94) Hexachlorobutadiene	15.01	225	1145375	140.35	ug/l	99
95) Naphthalene	15.13	128	4242392	190.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1981267	179.02	ug/l	100

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

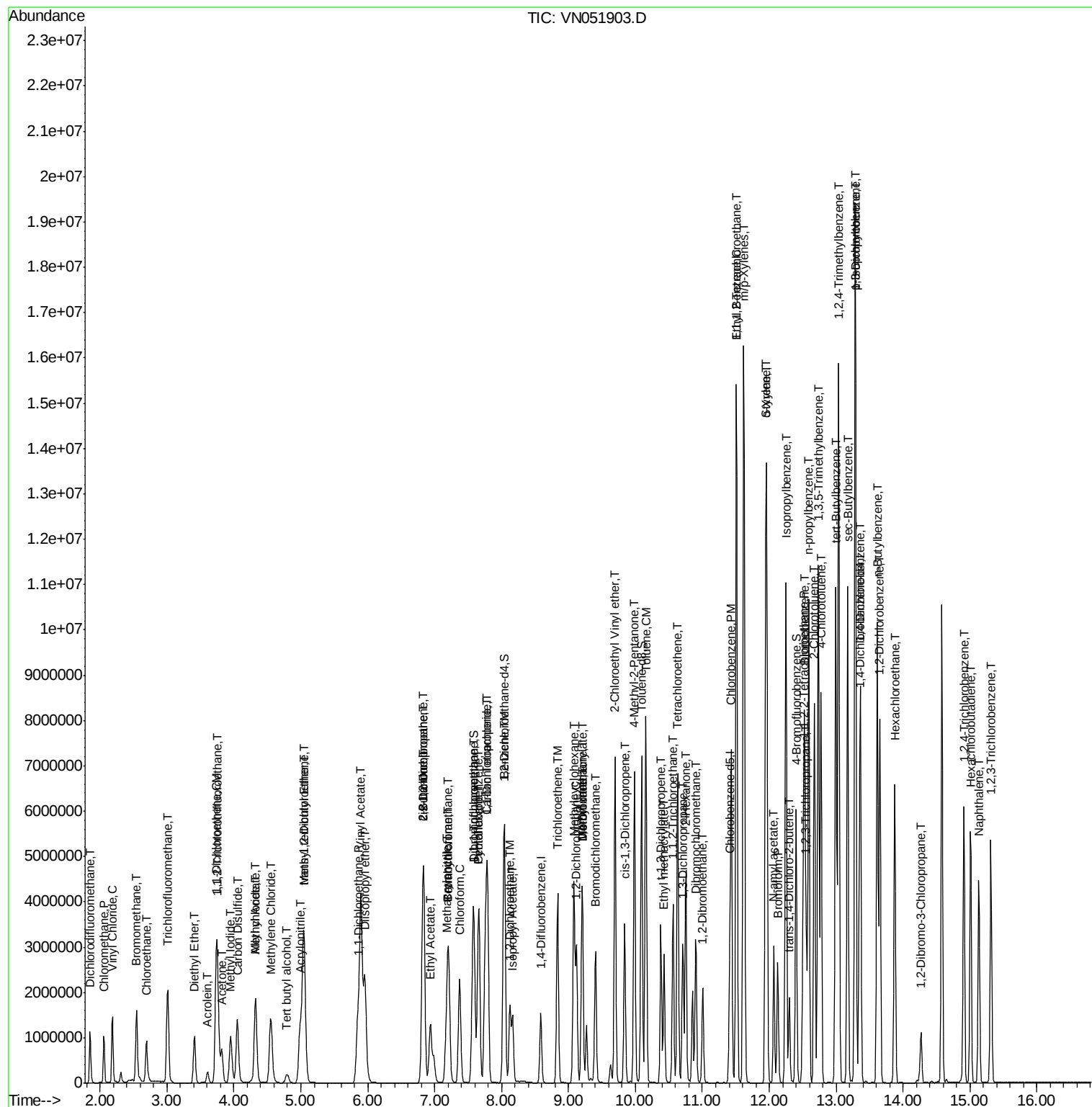
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101718\
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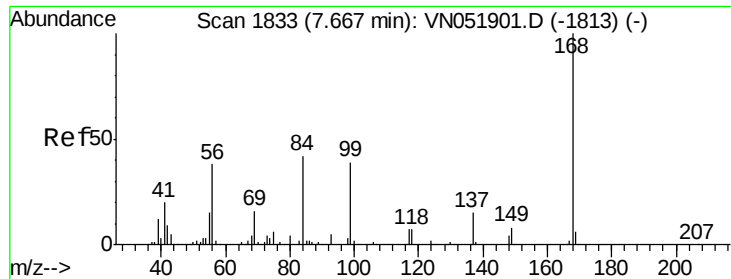
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

MMDadoda
10/19/2018 3:29:31 PM

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 1071716

Ion Ratio Lower Upper

168 100

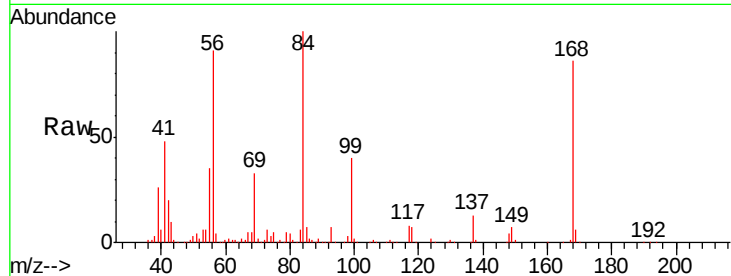
99 46.8 39.2 58.8

Manual Integrations

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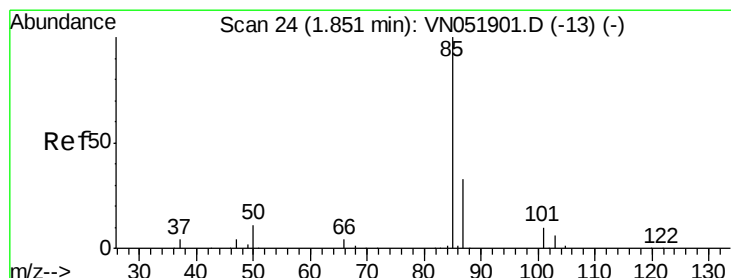
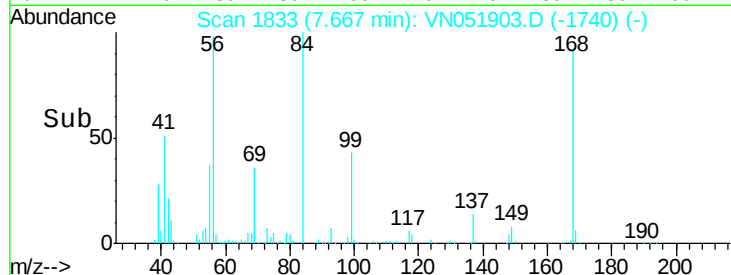
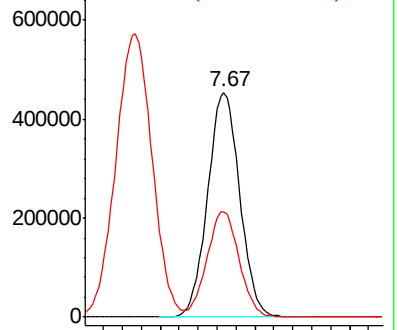
MMDadoda

10/19/2018 3:29:31 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 139.31 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051903.D

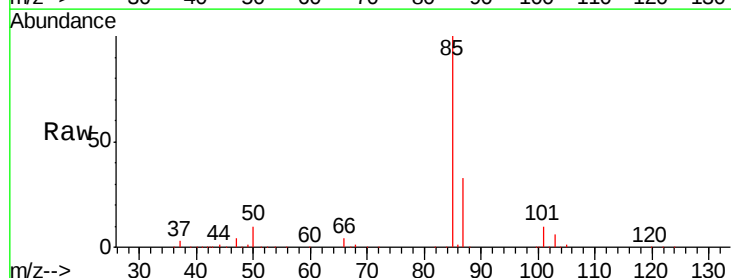
Acq: 17 Oct 2018 10:59

Tgt Ion: 85 Resp: 903373

Ion Ratio Lower Upper

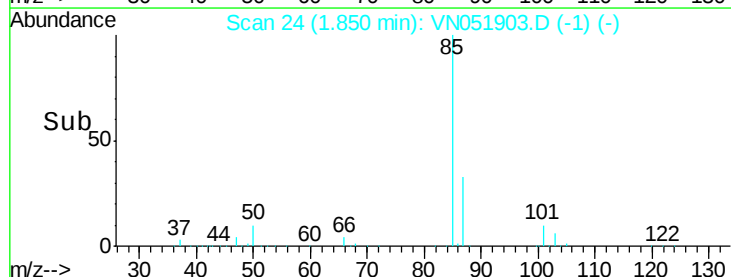
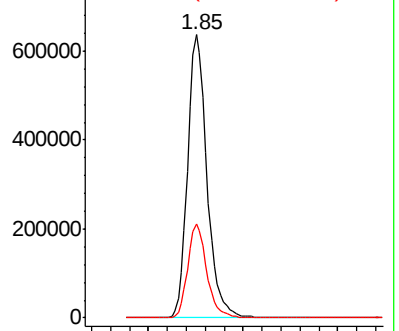
85 100

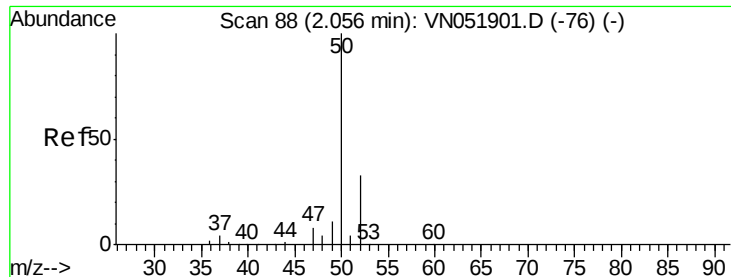
87 33.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 132.36 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 838659

Ion Ratio Lower Upper

50 100

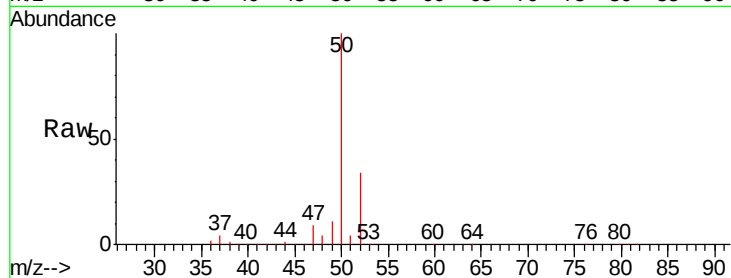
52 33.5 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

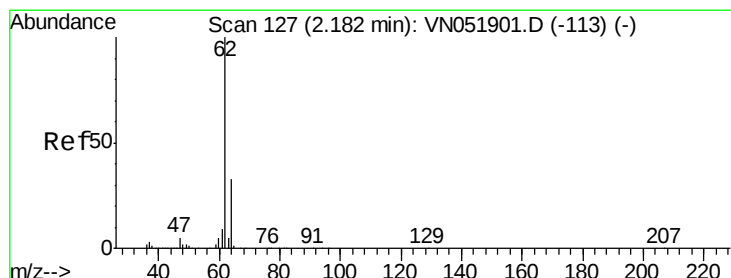
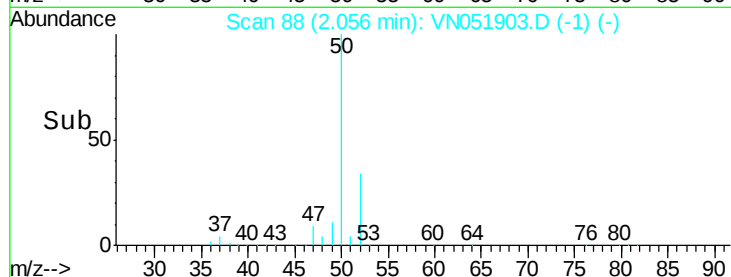
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 133.95 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051903.D

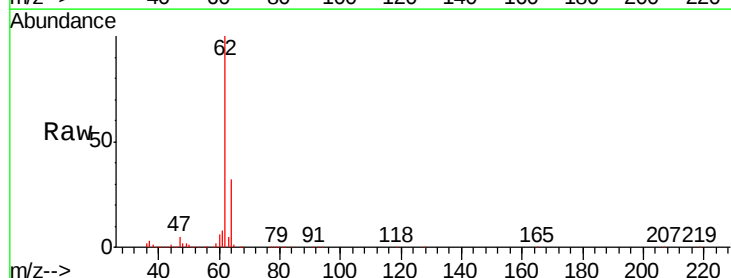
Acq: 17 Oct 2018 10:59

Tgt Ion: 62 Resp: 1281880

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

1000000

800000

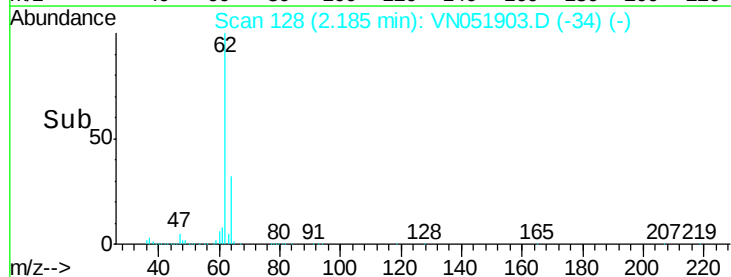
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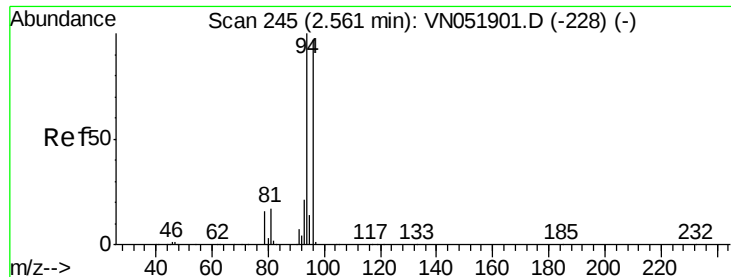
400000

200000

0

Time-->





#5

Bromomethane

Concen: 125.87 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

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VSTDIC150

Tgt Ion: 94 Resp: 1147248

Ion Ratio Lower Upper

94 100

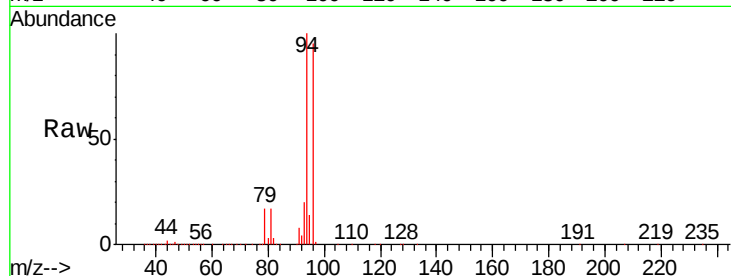
96 95.2 77.5 116.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

600000

500000

400000

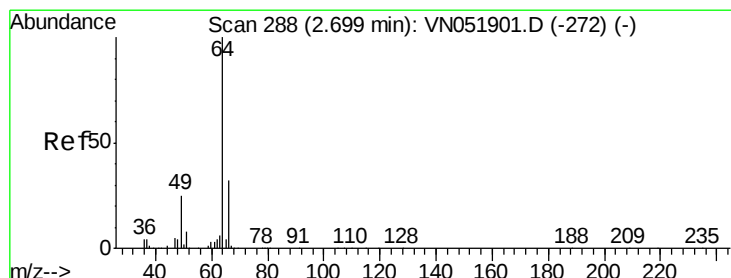
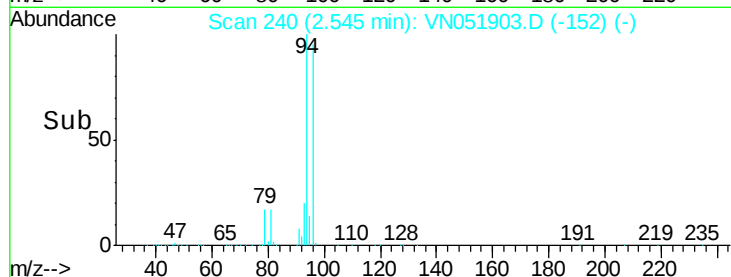
300000

200000

100000

0

Time--> 2.40 2.50 2.60 2.70



#6

Chloroethane

Concen: 130.20 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN051903.D

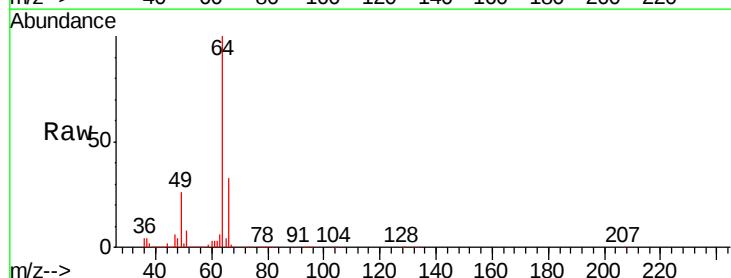
Acq: 17 Oct 2018 10:59

Tgt Ion: 64 Resp: 904226

Ion Ratio Lower Upper

64 100

66 33.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

500000

400000

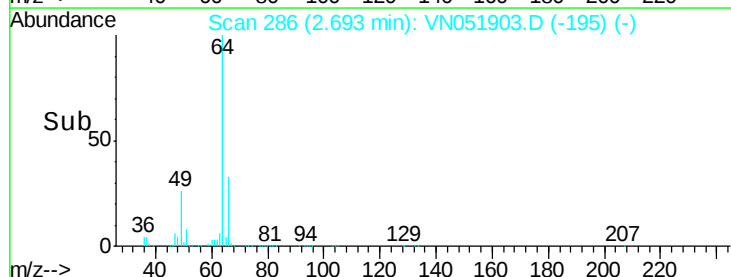
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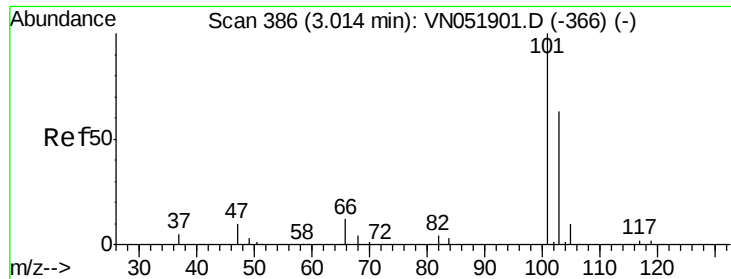
200000

100000

0

Time--> 2.60 2.70 2.80





#7

Trichlorofluoromethane

Concen: 142.33 ug/l

RT: 3.01 min Scan# 385

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:101 Resp: 2098869

Ion Ratio Lower Upper

101 100

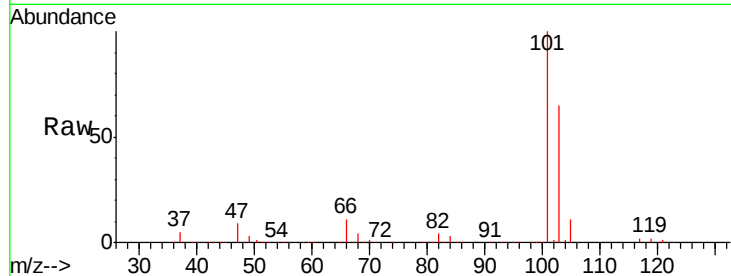
103 65.0 50.8 76.2

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

800000

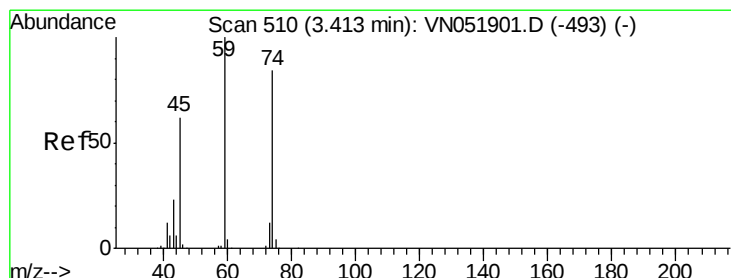
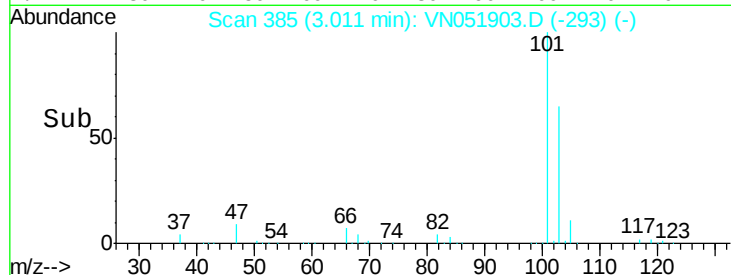
600000

400000

200000

0

Time-->



#8

Diethyl Ether

Concen: 142.51 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN051903.D

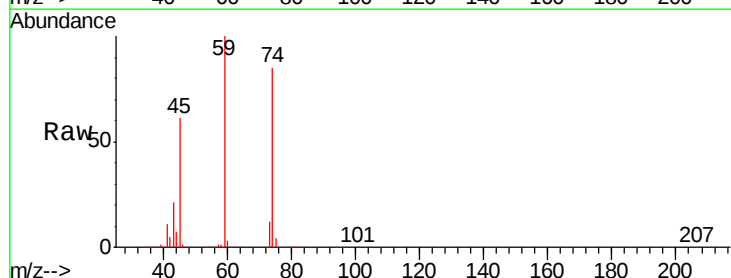
Acq: 17 Oct 2018 10:59

Tgt Ion: 74 Resp: 615677

Ion Ratio Lower Upper

74 100

45 72.5 36.8 110.3



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

300000

250000

200000

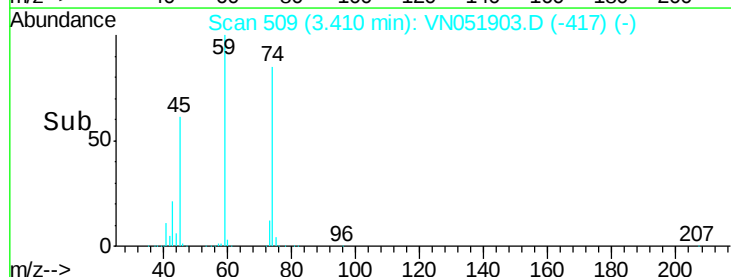
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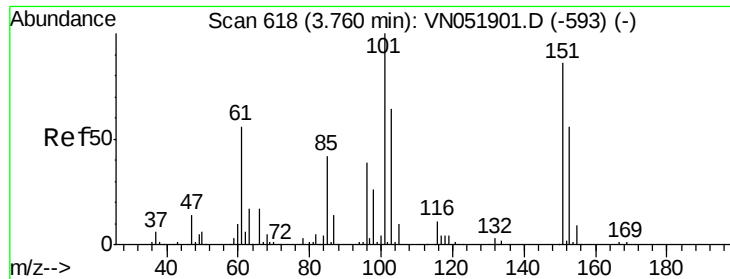
100000

50000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 140.29 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:101 Resp: 1187032

Ion Ratio Lower Upper

101 100

85 43.1 34.8 52.2

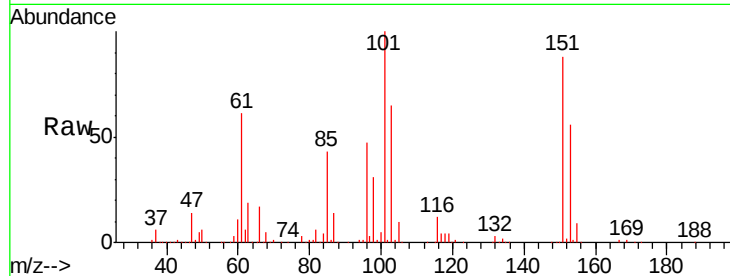
151 86.3 68.0 102.0

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

500000

400000

300000

200000

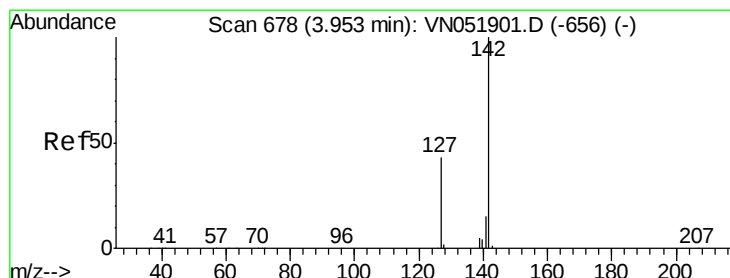
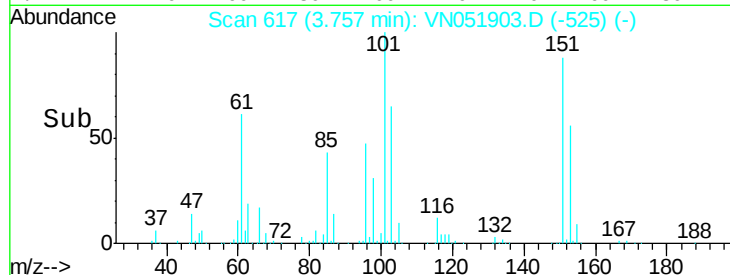
100000

0

3.76

3.60 3.70 3.80 3.90

Time-->



#10

Methyl Iodide

Concen: 171.05 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

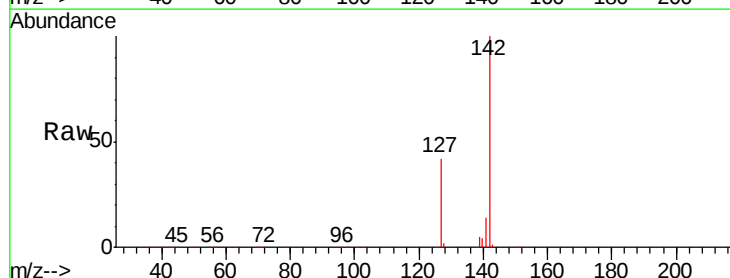
Tgt Ion:142 Resp: 1766708

Ion Ratio Lower Upper

142 100

127 42.7 34.3 51.5

141 14.1 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

800000

600000

400000

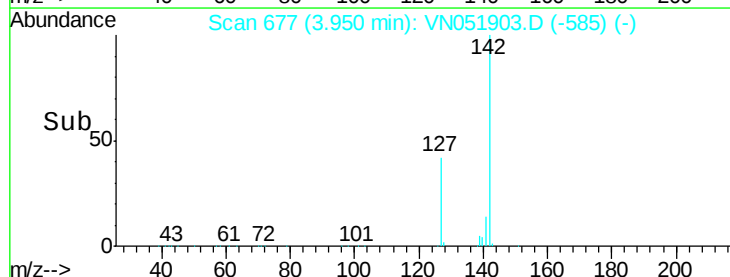
200000

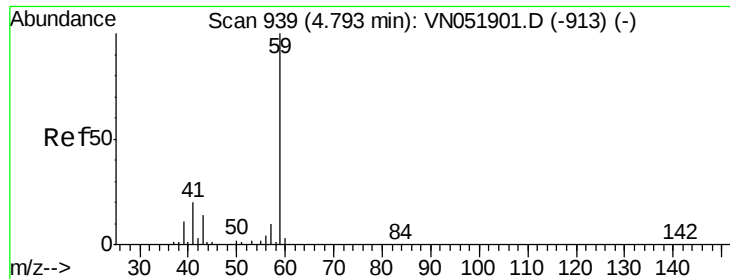
0

3.95

3.80 3.90 4.00 4.10

Time-->





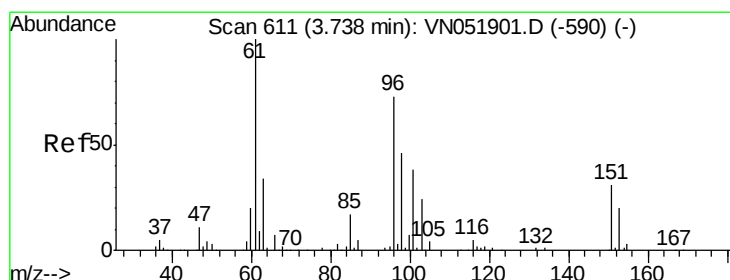
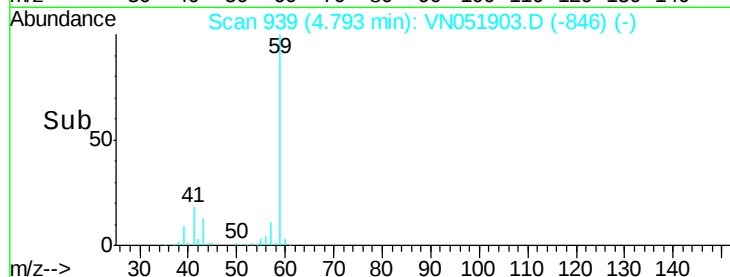
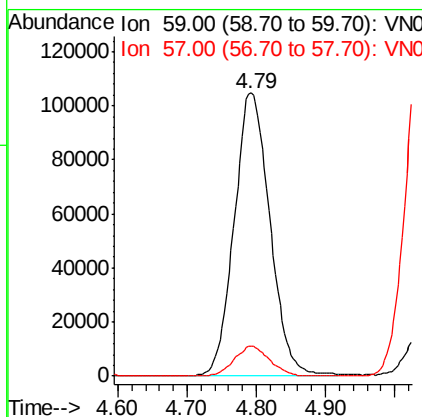
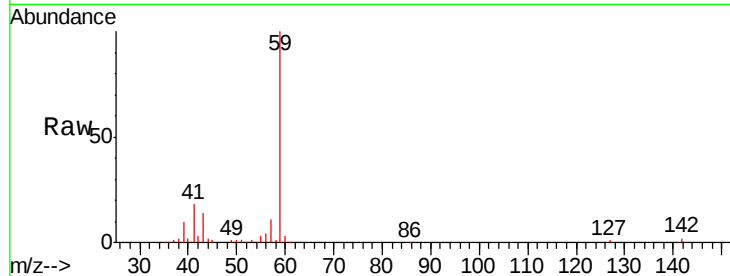
#11
Tert butyl alcohol
Concen: 718.64 ug/l
RT: 4.79 min Scan# 939
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 377027
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5

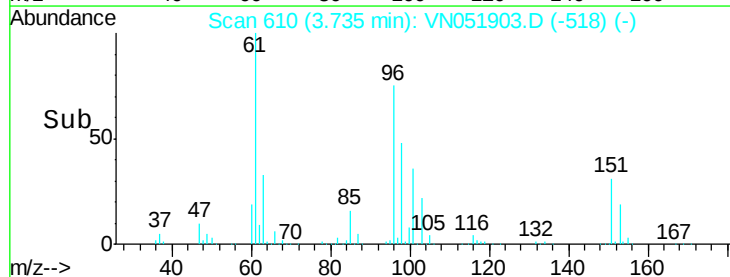
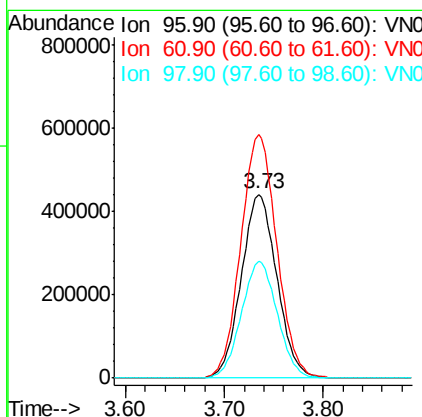
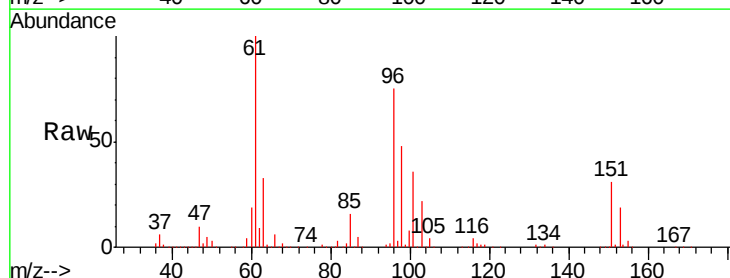
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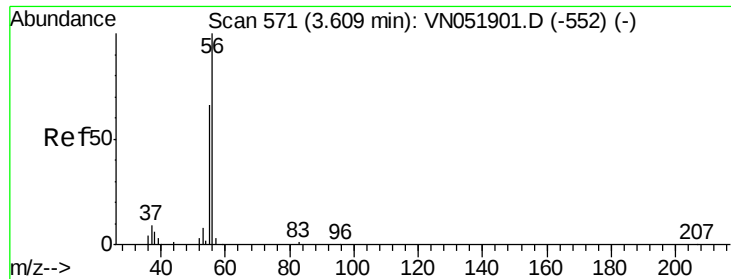
MMDadoda
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#12
1,1-Dichloroethene
Concen: 142.48 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion: 96 Resp: 1098959
Ion Ratio Lower Upper
96 100
61 132.5 109.8 164.6
98 63.5 50.9 76.3





#13

Acrolein

Concen: 634.65 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 276263

Ion Ratio Lower Upper

56 100

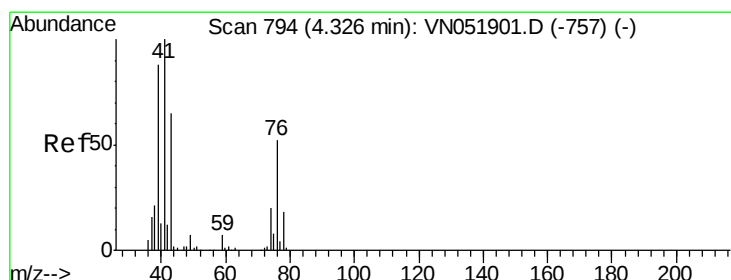
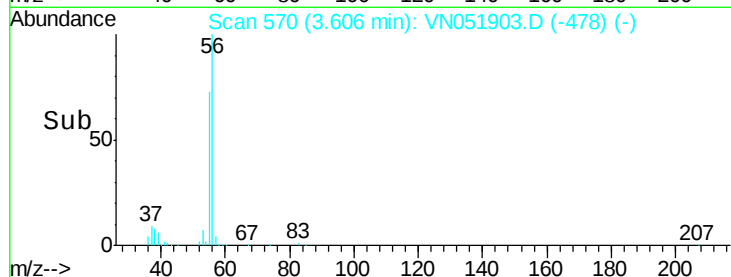
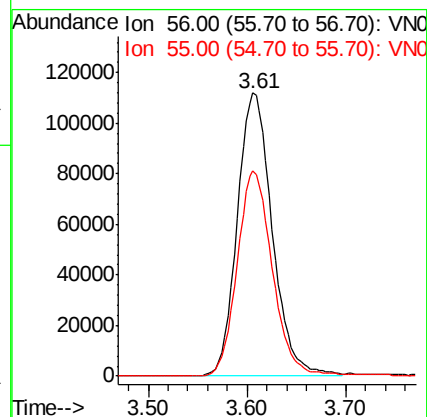
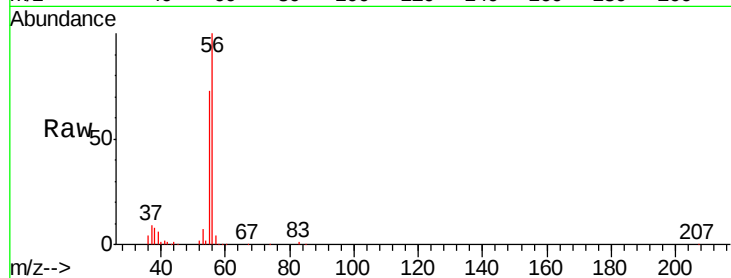
55 72.9 56.7 85.1

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#14

Allyl chloride

Concen: 153.63 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

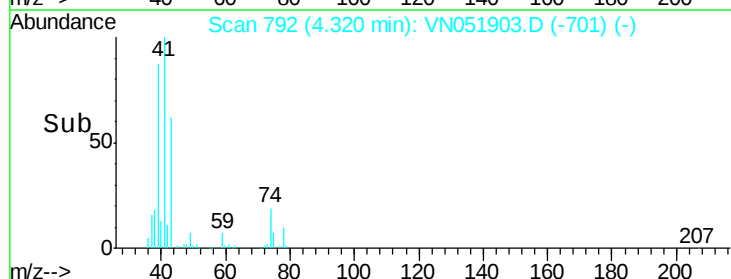
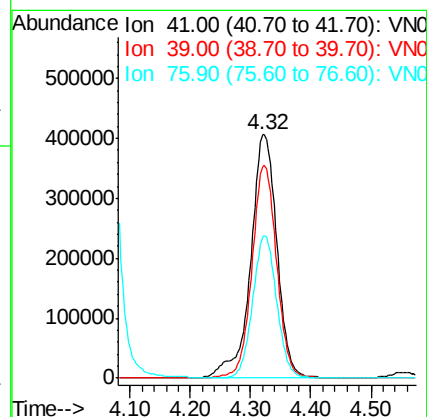
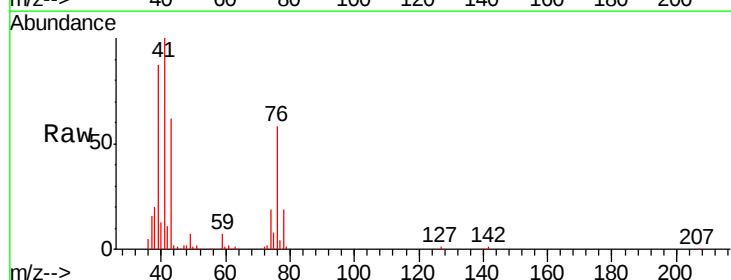
Tgt Ion: 41 Resp: 1243707

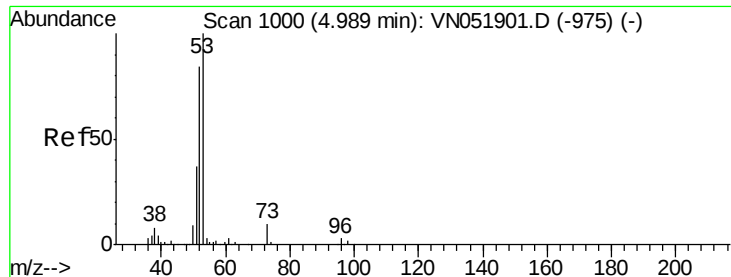
Ion Ratio Lower Upper

41 100

39 81.9 65.4 98.0

76 52.8 39.6 59.4





#15

Acrylonitrile

Concen: 749.68 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 1576021

Ion Ratio Lower Upper

53 100

52 82.3 65.8 98.8

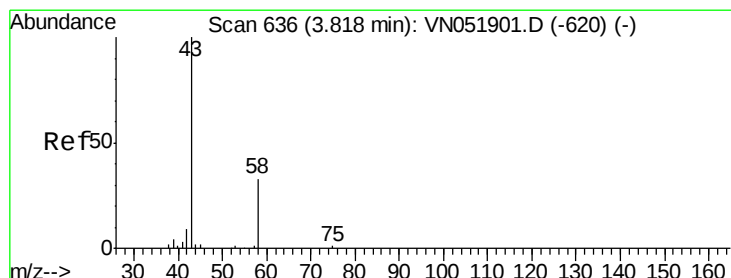
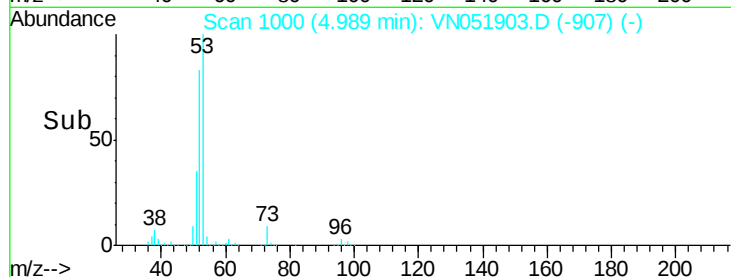
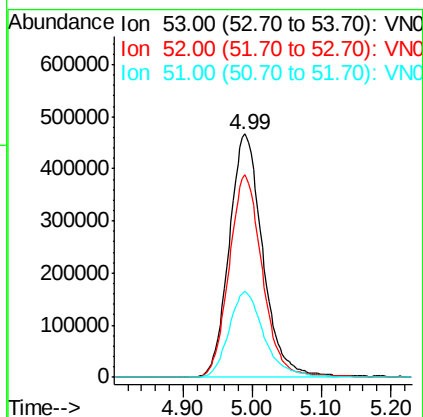
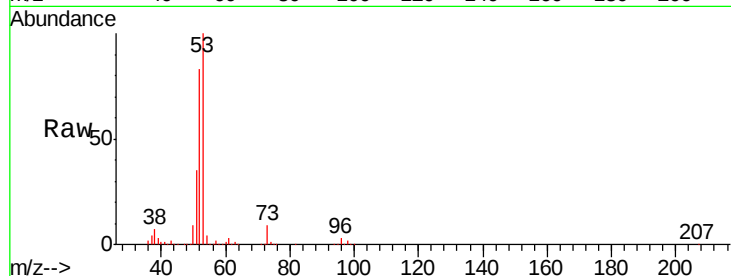
51 37.2 29.4 44.2

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#16

Acetone

Concen: 647.38 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051903.D

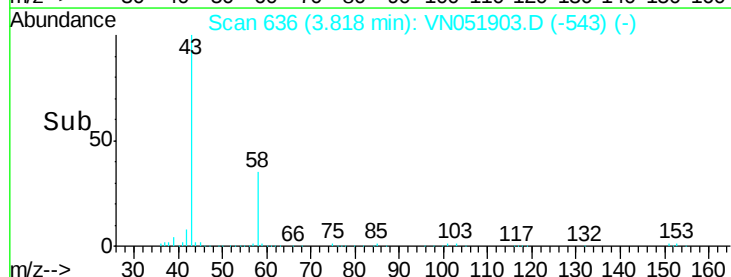
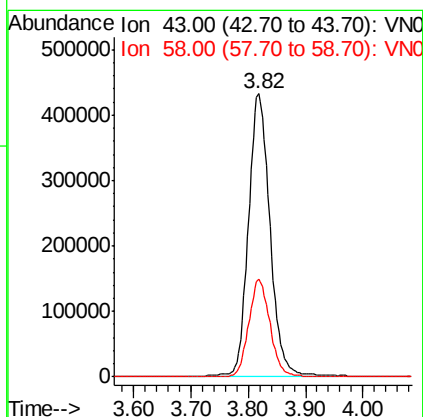
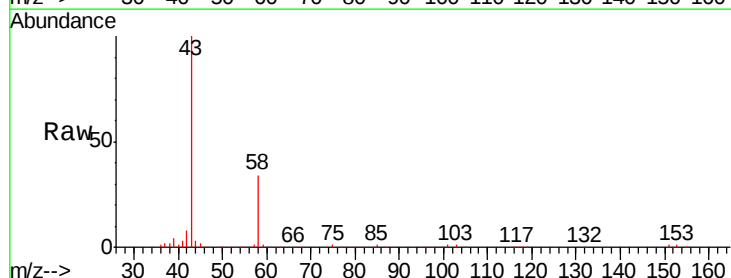
Acq: 17 Oct 2018 10:59

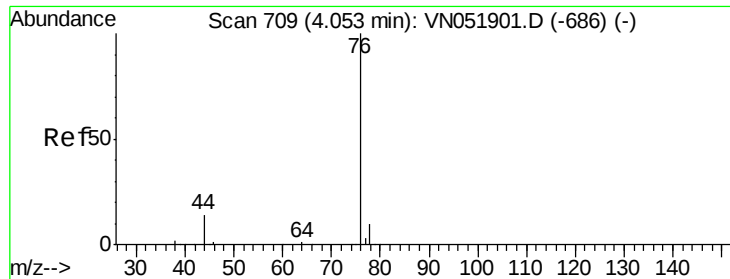
Tgt Ion: 43 Resp: 1138930

Ion Ratio Lower Upper

43 100

58 34.4 25.9 38.9





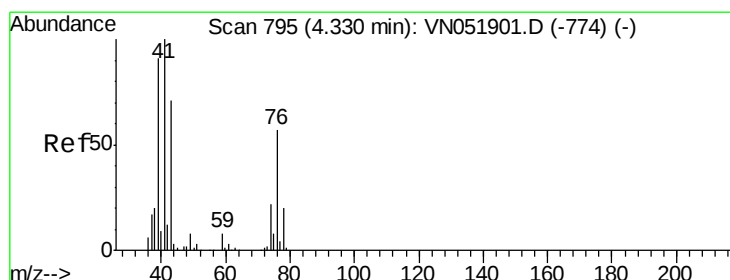
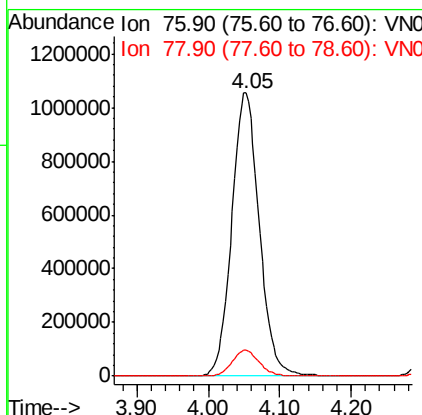
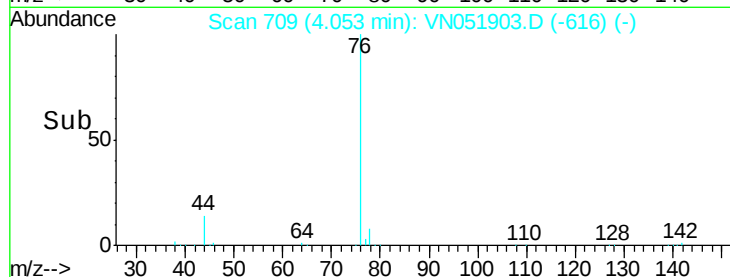
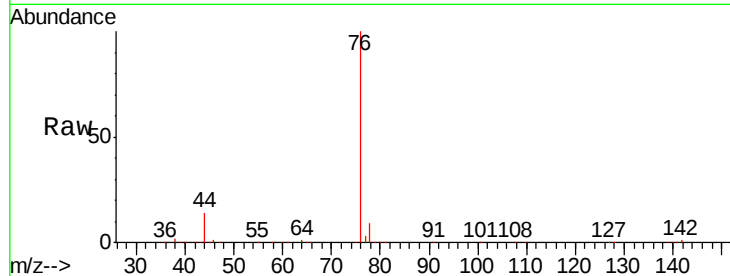
#17
Carbon Disulfide
Concen: 147.38 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 76 Resp: 2834211
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4

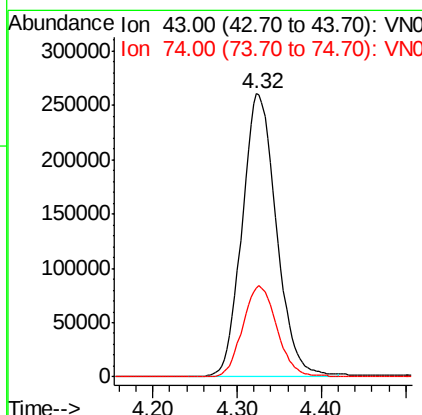
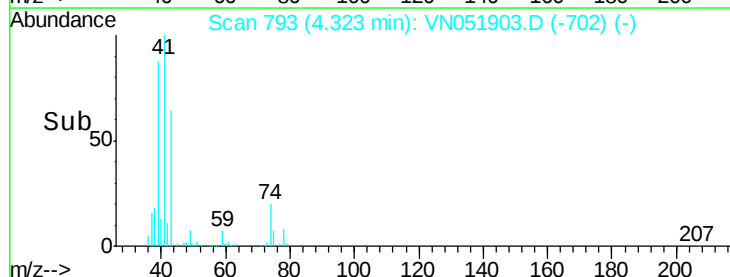
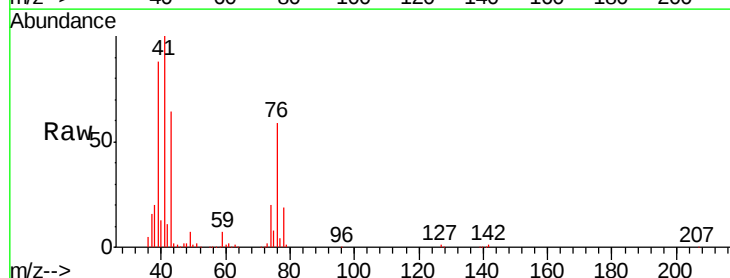
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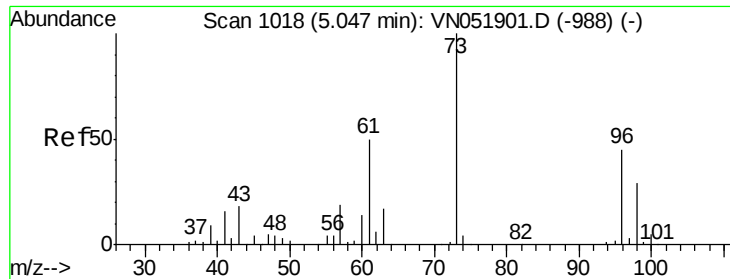
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#18
Methyl Acetate
Concen: 125.06 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion: 43 Resp: 733428
Ion Ratio Lower Upper
43 100
74 32.1 24.9 37.3





#19

Methyl tert-butyl Ether

Concen: 142.29 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 3162735

Ion Ratio Lower Upper

73 100

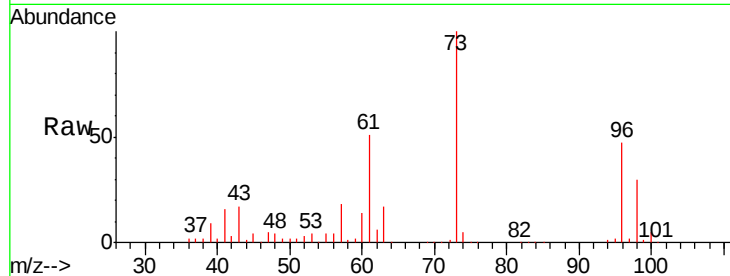
57 18.5 15.3 22.9

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Abundance Ion 73.00 (72.70 to 73.70): VN051901.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN051901.D (-988) (-)

5.05

800000

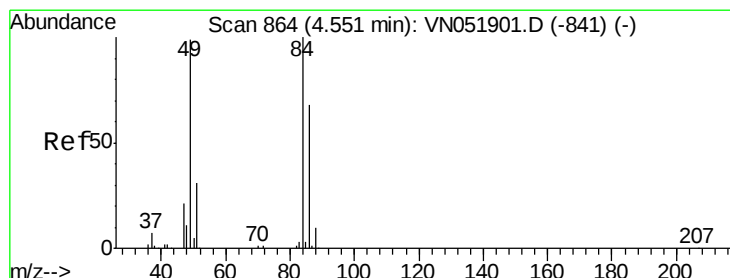
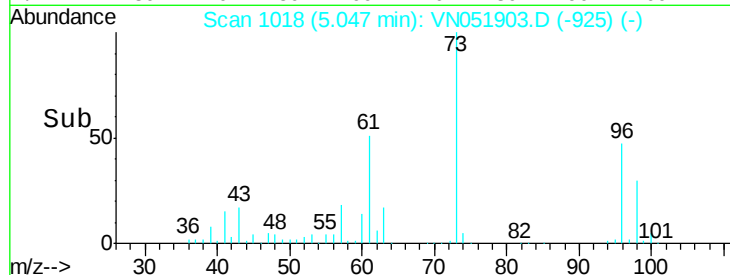
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 138.44 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Tgt Ion: 84 Resp: 1238123

Ion Ratio Lower Upper

84 100

49 94.1 79.0 118.4

51 29.0 24.9 37.3

86 65.4 54.6 82.0

Abundance Ion 83.90 (83.60 to 84.60): VN051901.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN051901.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN051901.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN051901.D (-841) (-)

4.55

600000

500000

400000

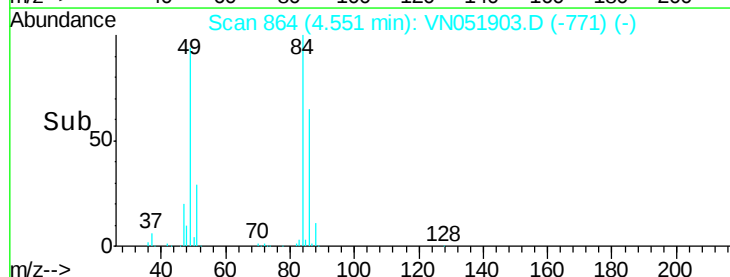
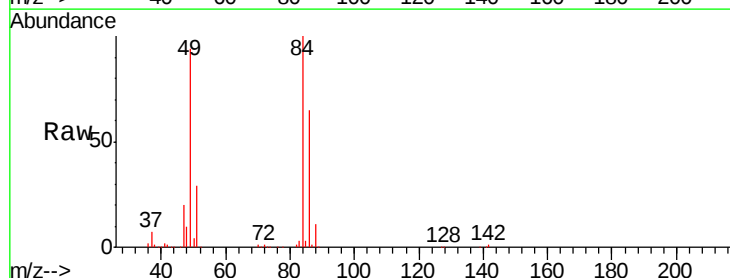
300000

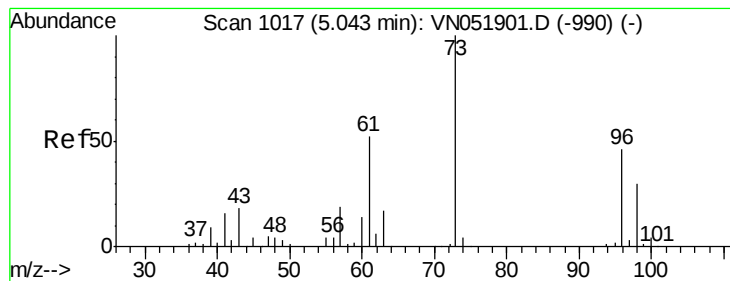
200000

100000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 145.86 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 1292910

Ion Ratio Lower Upper

96 100

61 109.7 89.8 134.6

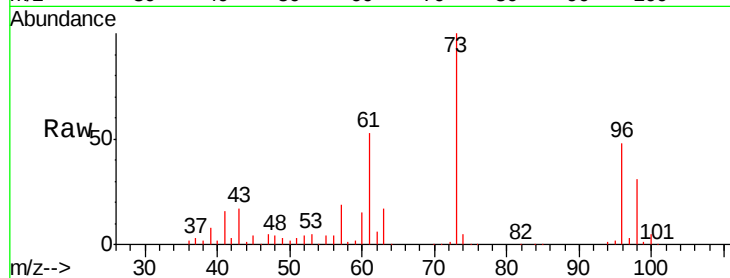
98 64.5 51.7 77.5

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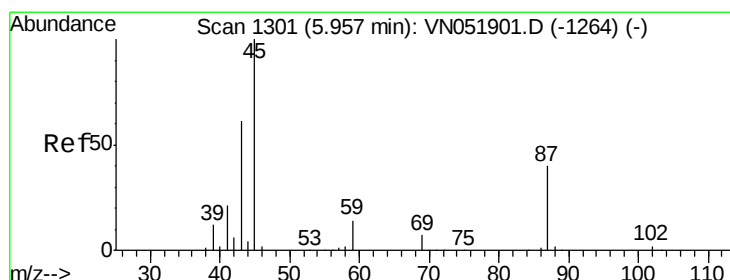
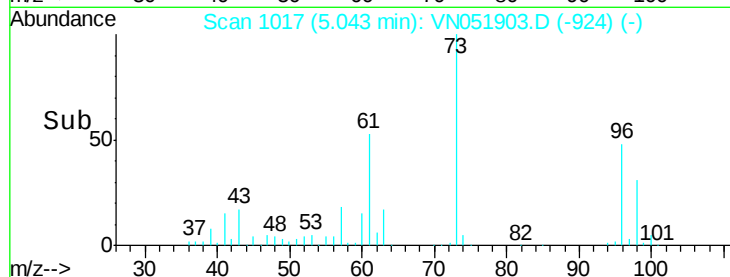
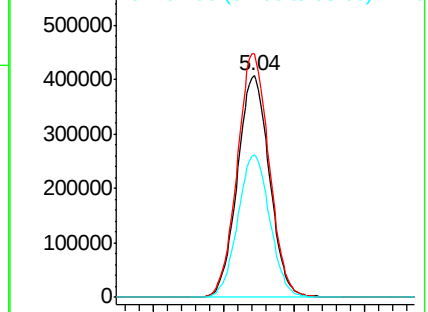


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 145.16 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Tgt Ion: 45 Resp: 2826141

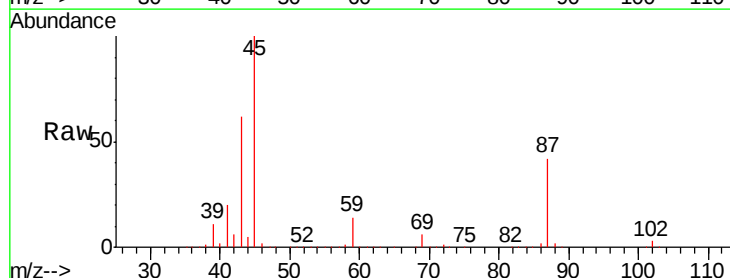
Ion Ratio Lower Upper

45 100

43 61.8 48.9 73.3

87 41.8 32.6 48.8

59 13.5 11.0 16.6



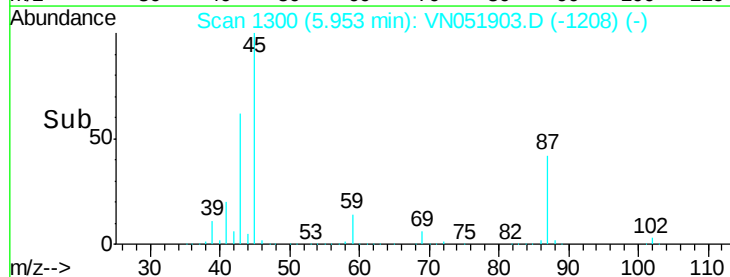
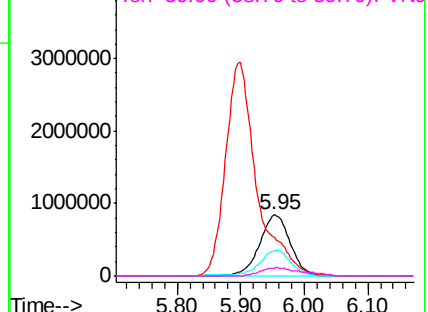
Abundance

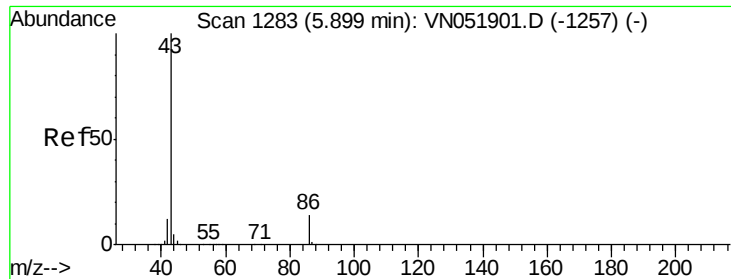
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





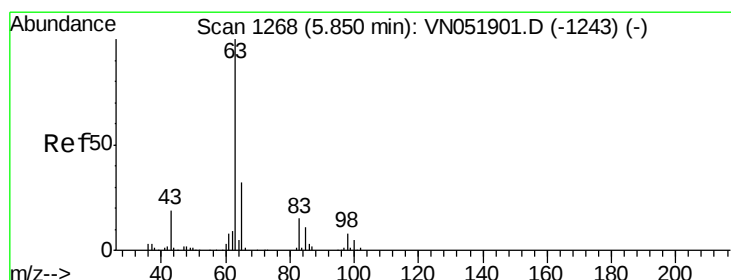
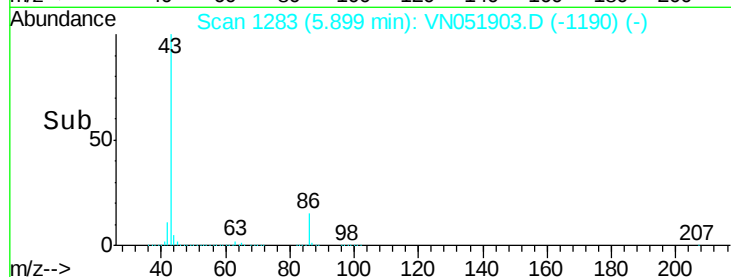
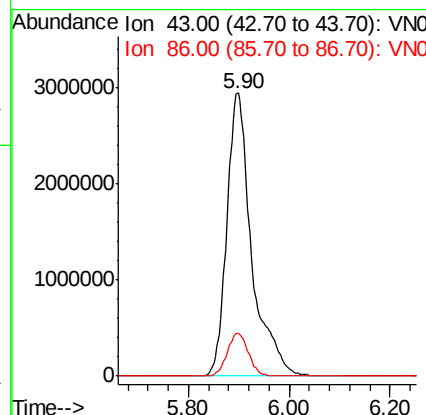
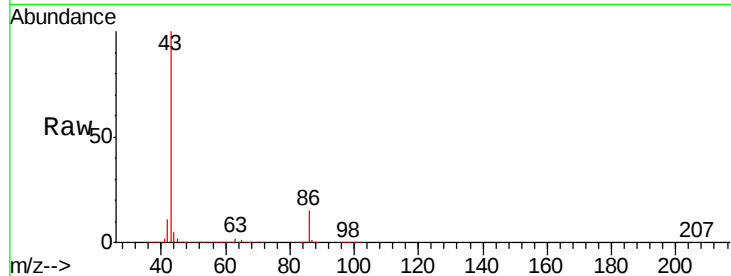
#23
 Vinyl Acetate
 Concen: 751.22 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp:10068999
 Ion Ratio Lower Upper
 43 100
 86 15.1 11.5 17.3

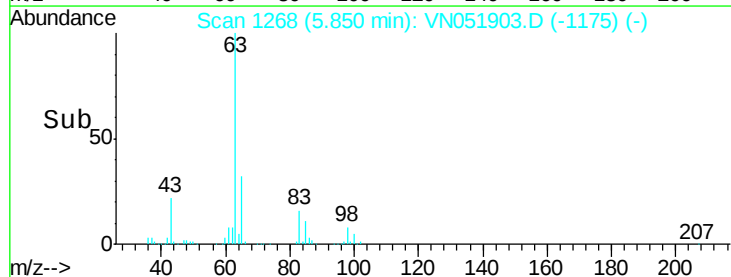
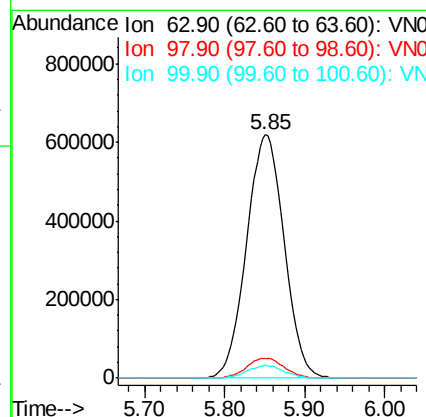
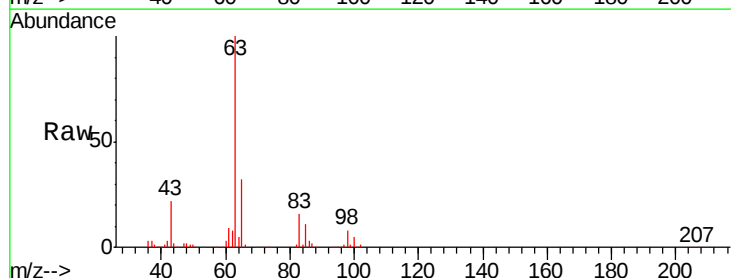
Manual Integrations
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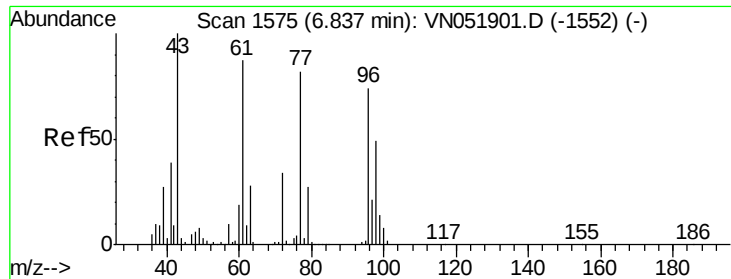
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 140.49 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Tgt Ion: 63 Resp: 1980823
 Ion Ratio Lower Upper
 63 100
 98 8.2 4.0 12.0
 100 5.2 2.4 7.1





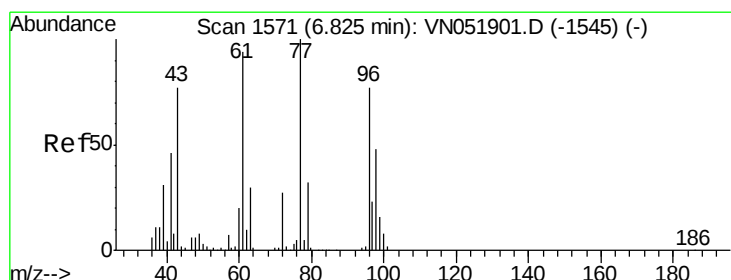
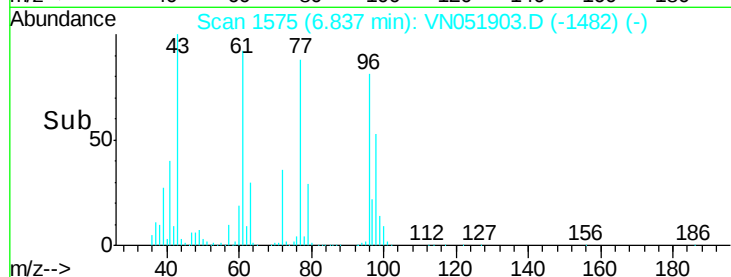
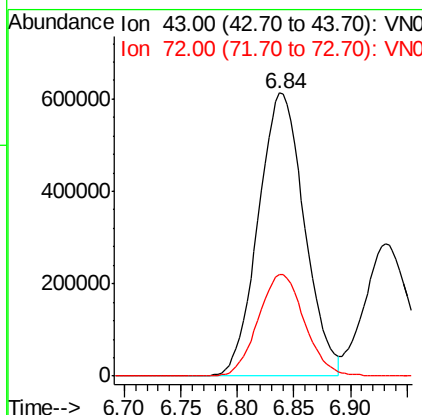
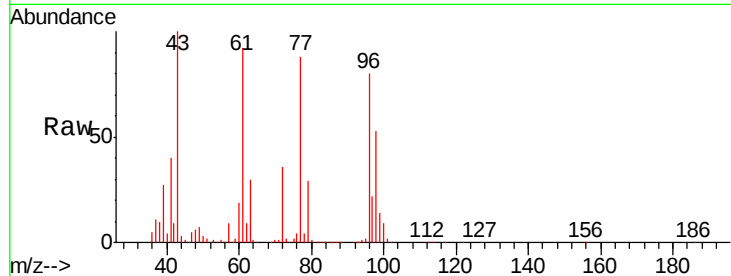
#25
2-Butanone
Concen: 688.18 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1730320
Ion Ratio Lower Upper
43 100
72 36.0 27.0 40.6

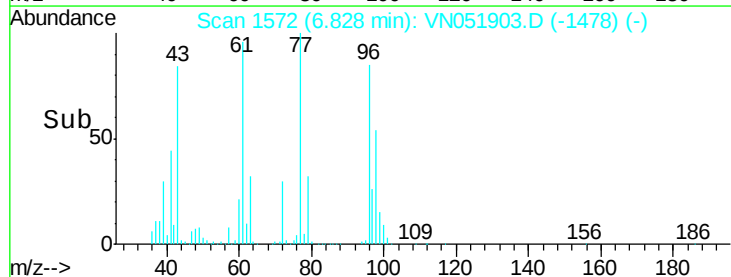
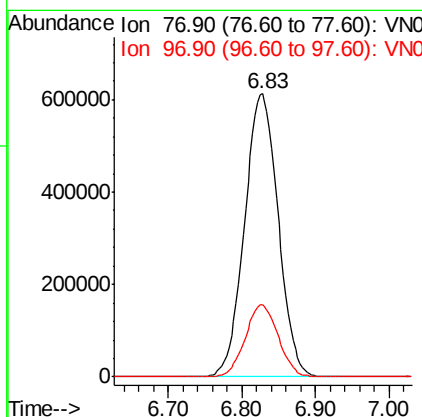
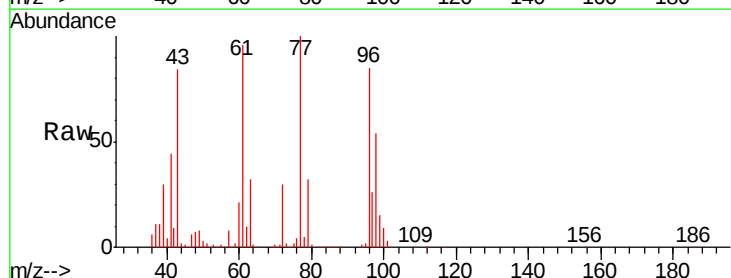
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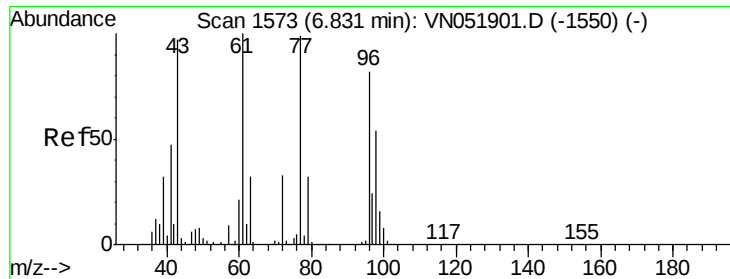
MMDadoda
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#26
2,2-Dichloropropane
Concen: 145.83 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion: 77 Resp: 1944548
Ion Ratio Lower Upper
77 100
97 24.9 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 146.95 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 1513720

Ion Ratio Lower Upper

96 100

61 116.4 0.0 240.2

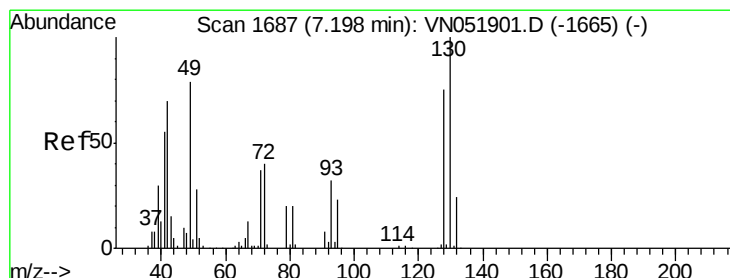
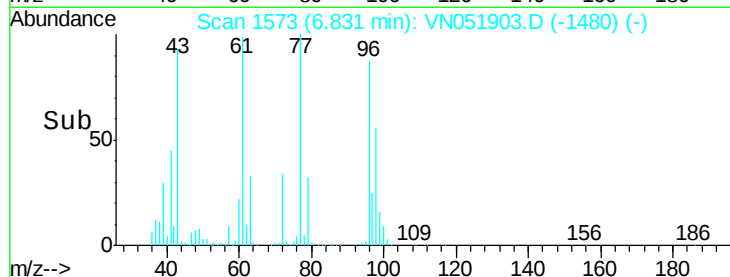
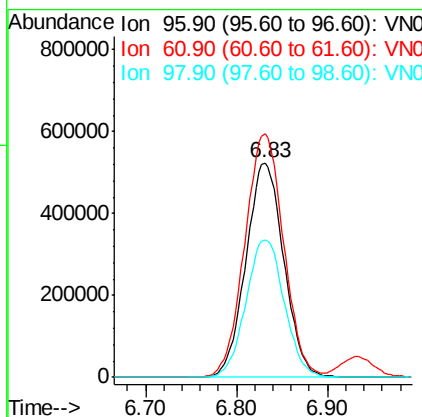
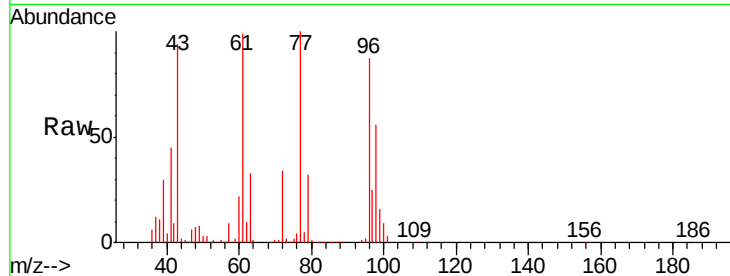
98 65.2 0.0 129.8

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#28

Bromochloromethane

Concen: 144.96 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

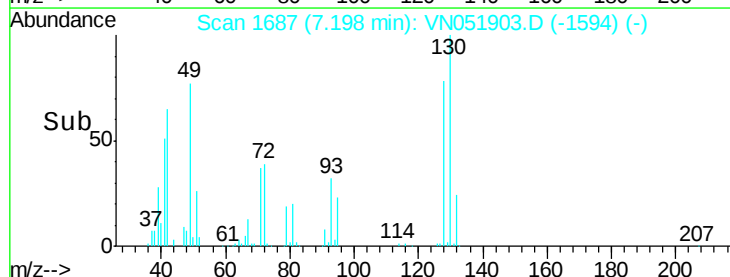
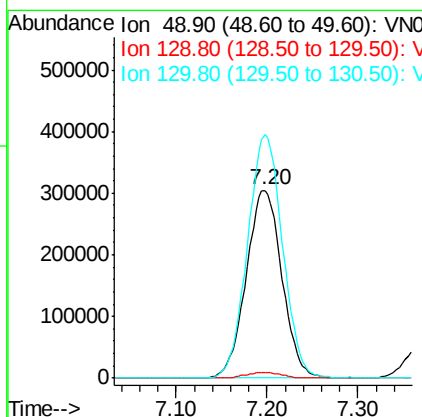
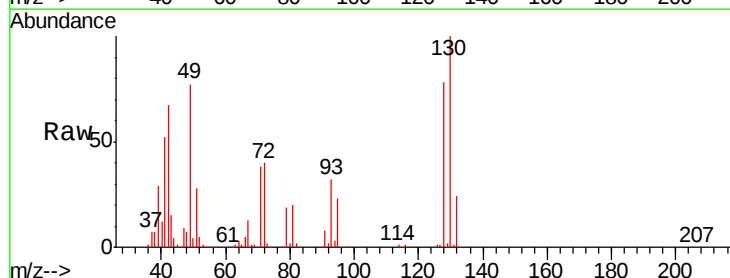
Tgt Ion: 49 Resp: 829950

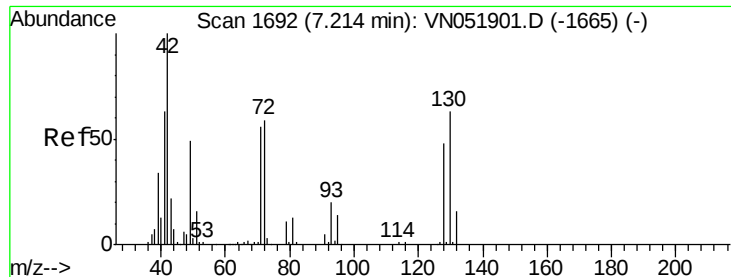
Ion Ratio Lower Upper

49 100

129 3.2 0.0 6.0

130 127.1 96.7 145.1





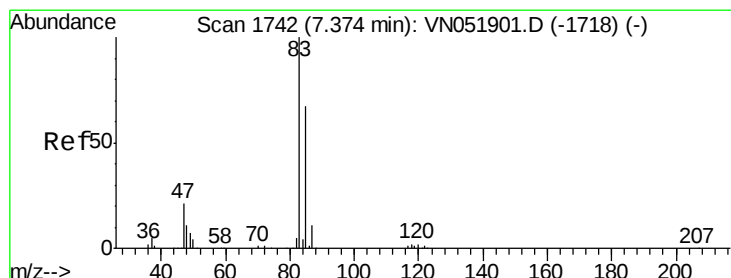
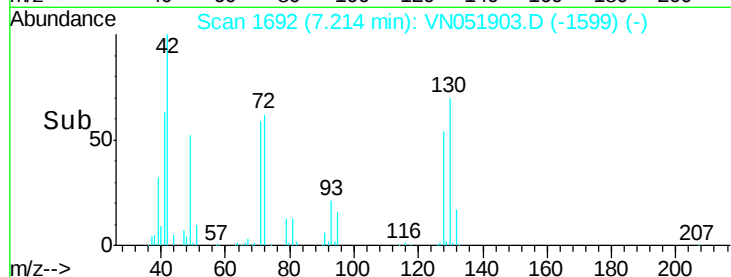
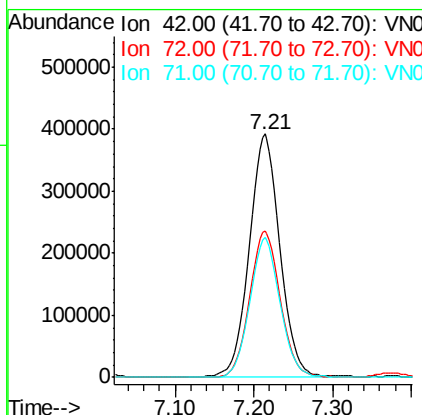
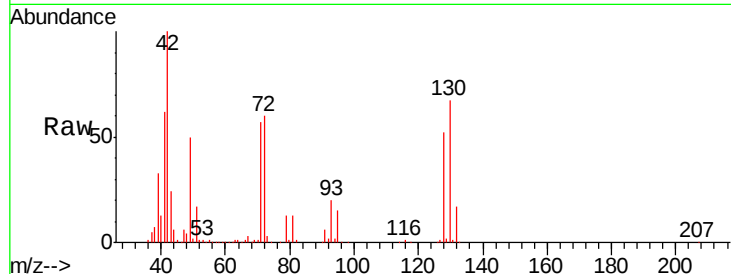
#29
Tetrahydrofuran
Concen: 704.69 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 42 Resp: 1082204
Ion Ratio Lower Upper
42 100
72 60.0 47.7 71.5
71 56.9 45.4 68.0

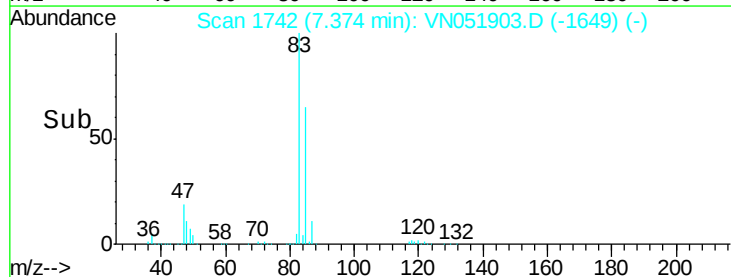
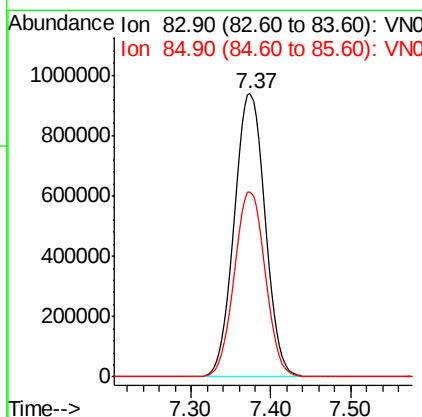
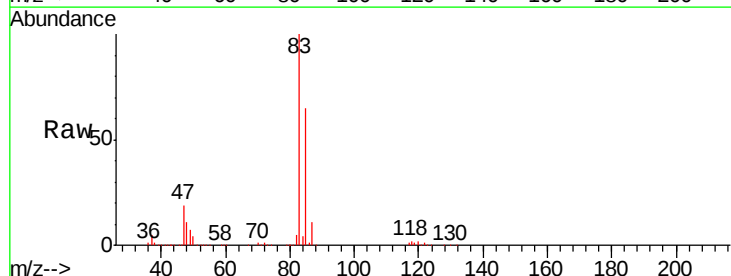
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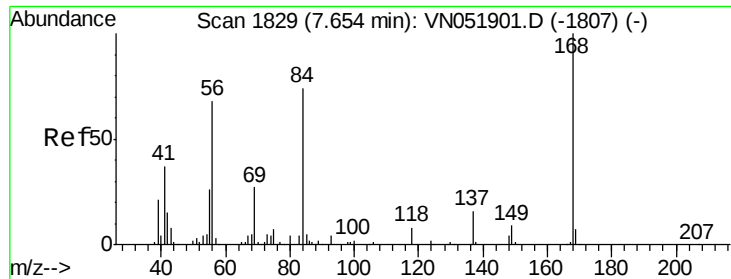
MMDadoda
10/19/2018 3:29:31 PM



#30
Chloroform
Concen: 145.33 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion: 83 Resp: 2451297
Ion Ratio Lower Upper
83 100
85 65.5 53.4 80.2





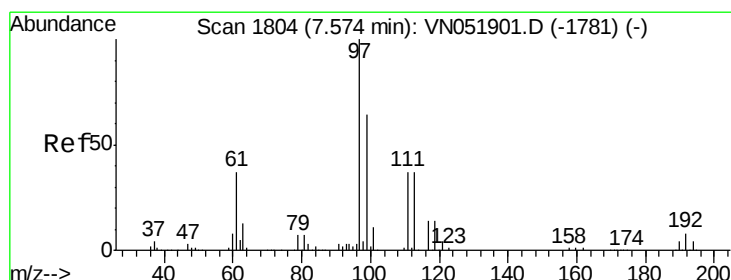
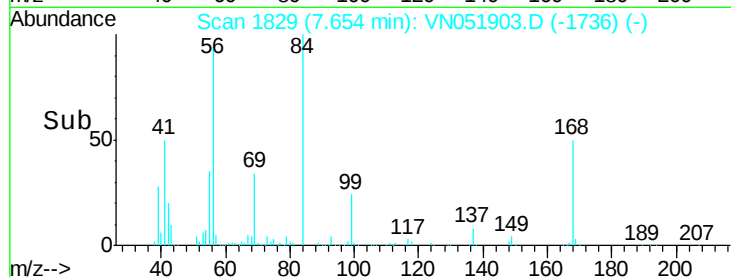
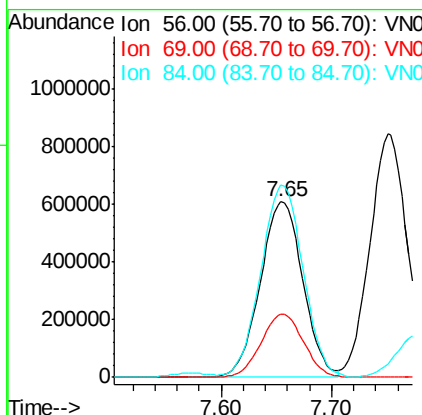
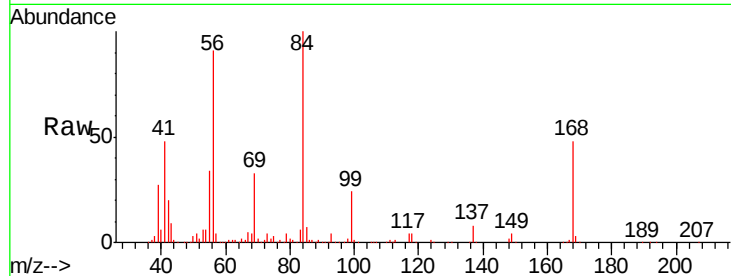
#31
Cyclohexane
Concen: 106.18 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 56 Resp: 1627478
Ion Ratio Lower Upper
56 100
69 36.2 31.2 46.8
84 107.4 86.6 130.0

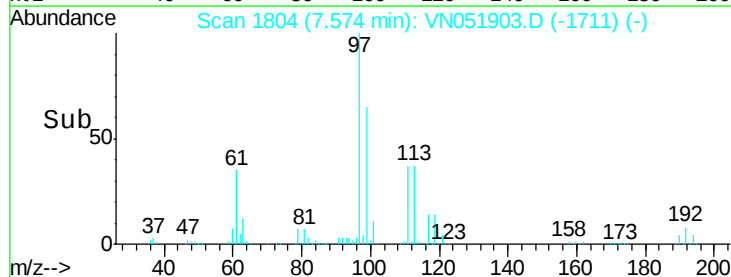
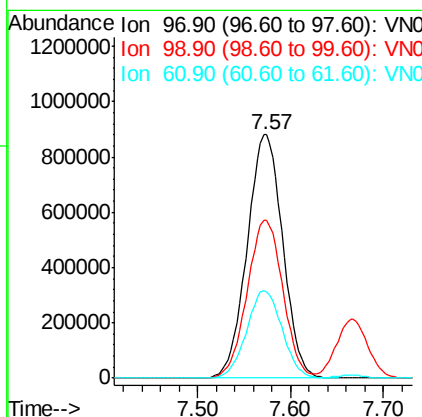
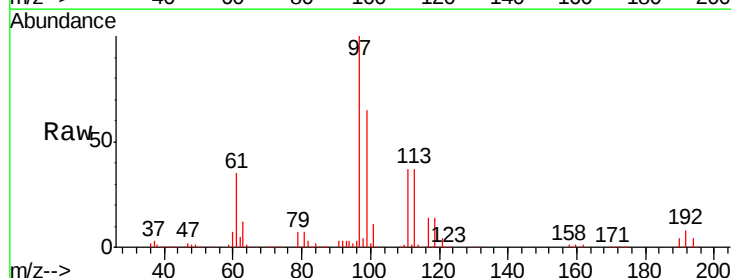
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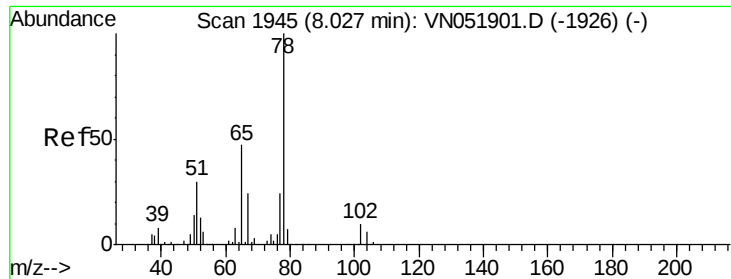
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#32
1,1,1-Trichloroethane
Concen: 149.10 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion: 97 Resp: 2345670
Ion Ratio Lower Upper
97 100
99 65.2 51.3 76.9
61 35.9 29.8 44.6





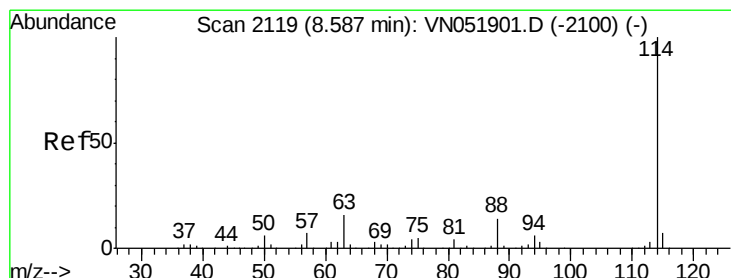
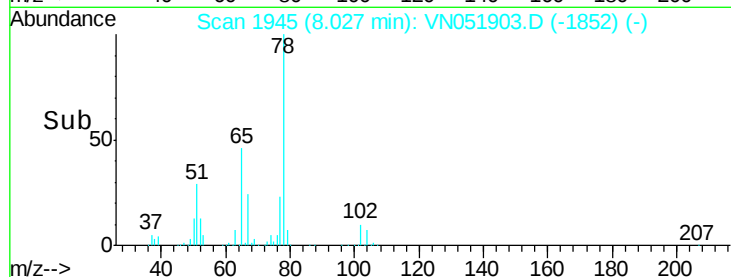
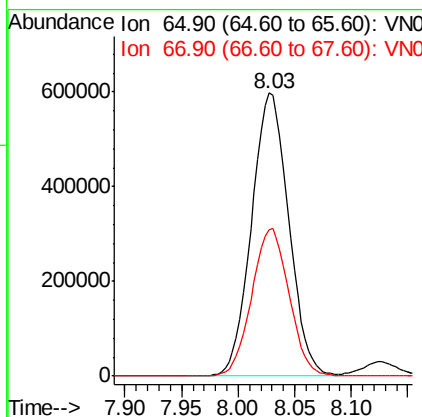
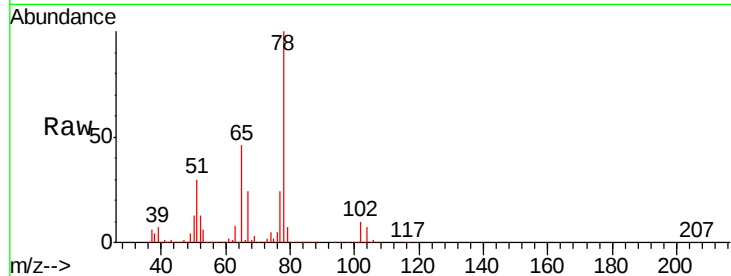
#33
 1,2-Dichloroethane-d4
 Concen: 149.10 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 65 Resp: 1366091
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0

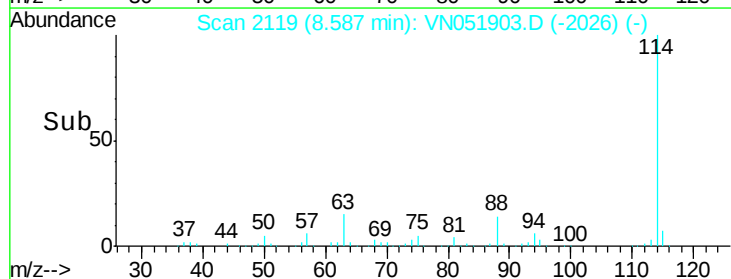
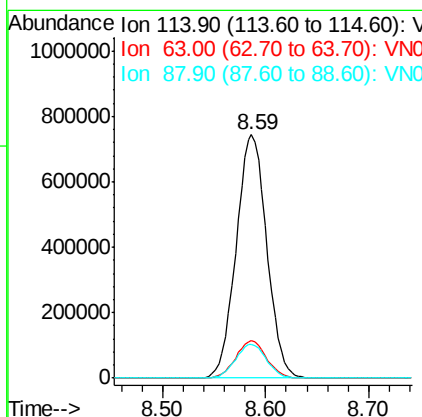
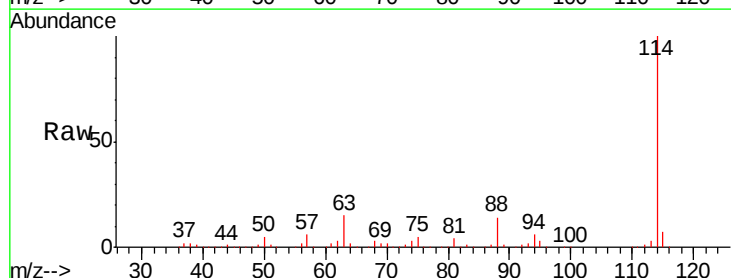
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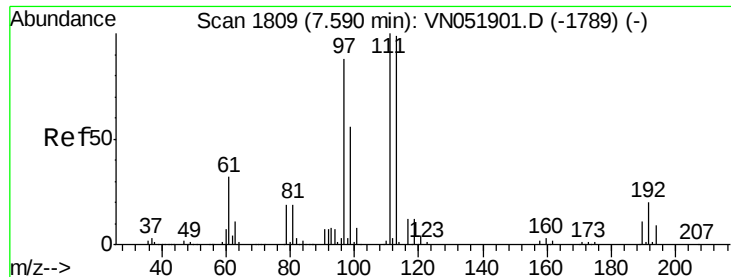
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Tgt Ion: 114 Resp: 1534125
 Ion Ratio Lower Upper
 114 100
 63 15.3 0.0 31.8
 88 13.9 0.0 28.0





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 113 Resp: 1466349

Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

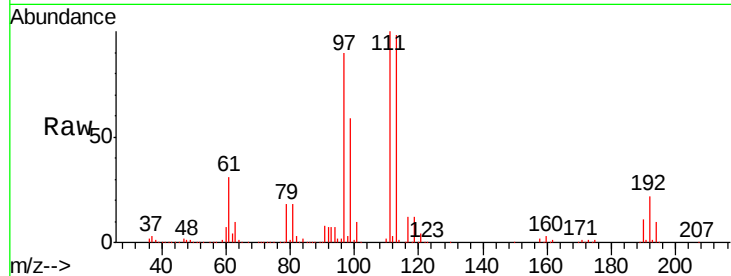
192 22.3 17.3 25.9

Manual Integrations

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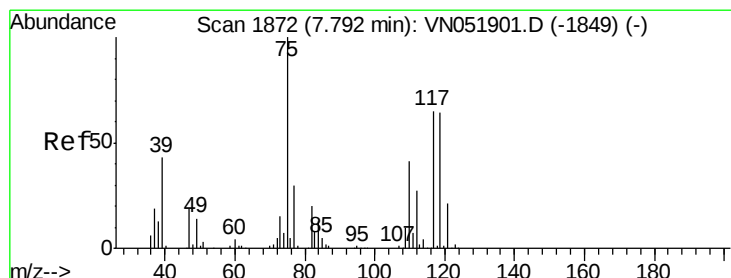
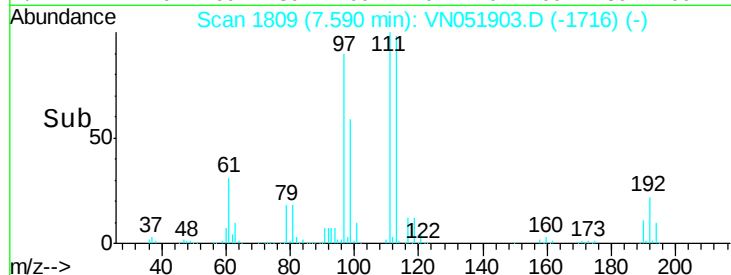
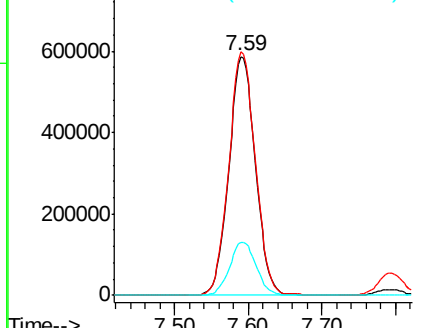
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 145.42 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

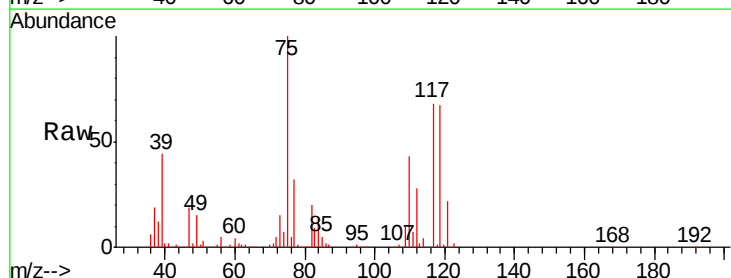
Tgt Ion: 75 Resp: 1731480

Ion Ratio Lower Upper

75 100

110 42.9 21.0 63.0

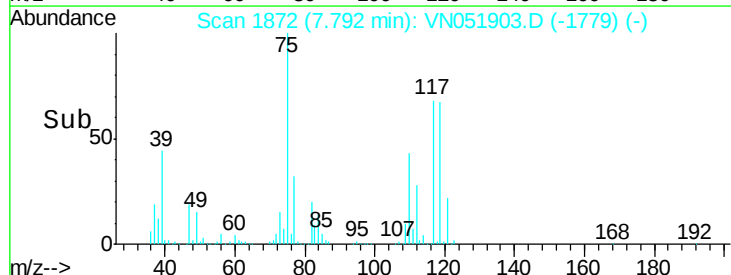
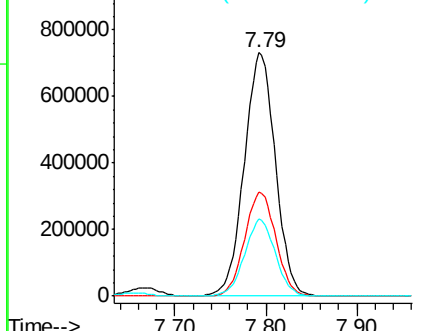
77 31.2 24.9 37.3

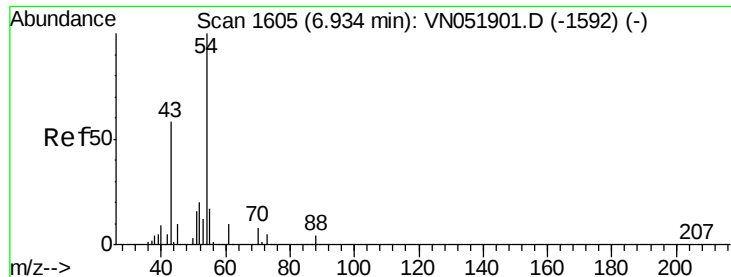


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





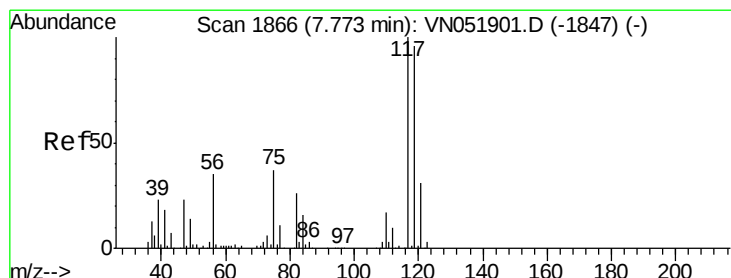
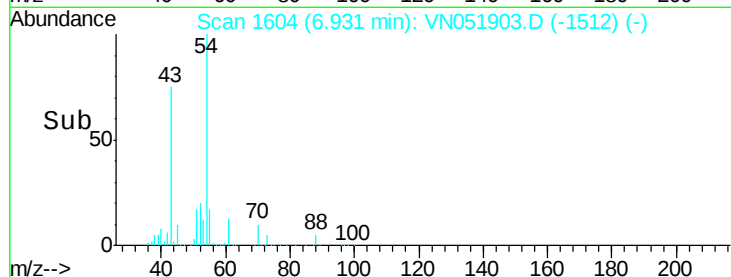
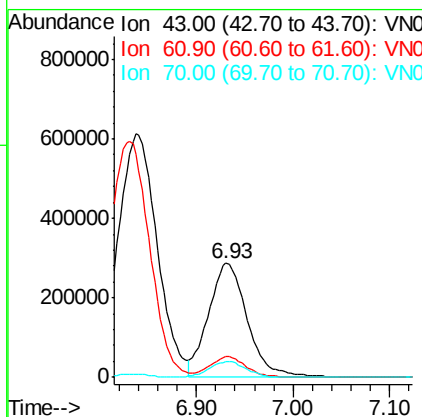
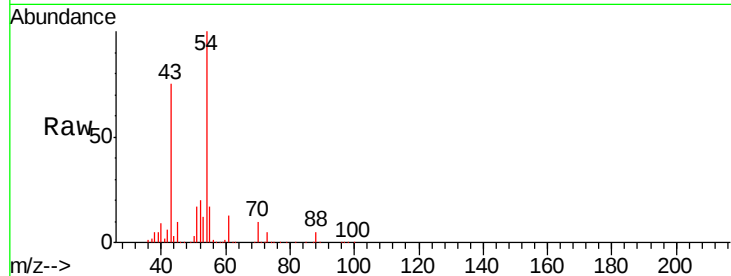
#37
Ethyl Acetate
Concen: 151.09 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.9	13.0	19.6
70	13.4	10.4	15.6

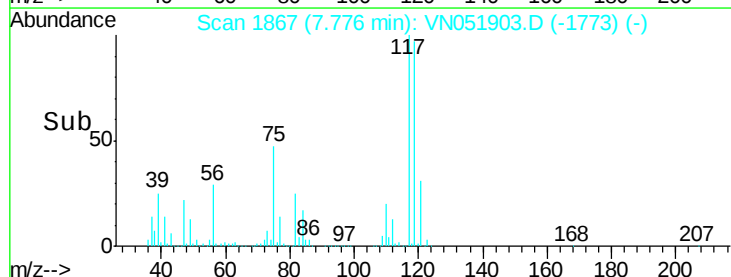
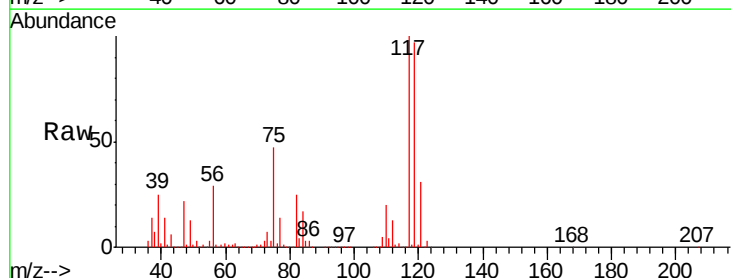
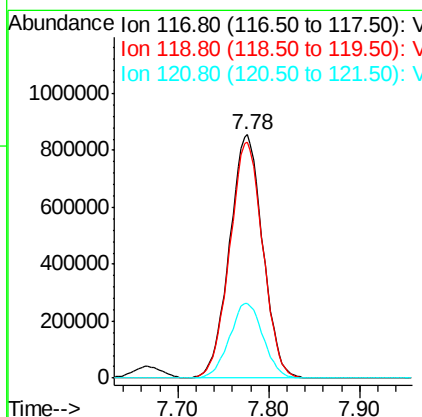
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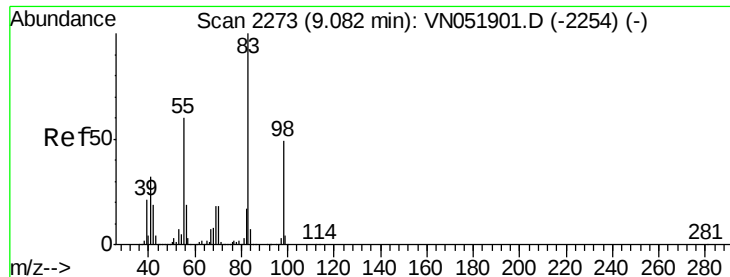
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#38
Carbon Tetrachloride
Concen: 153.76 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.0	115.6
121	30.8	25.1	37.7





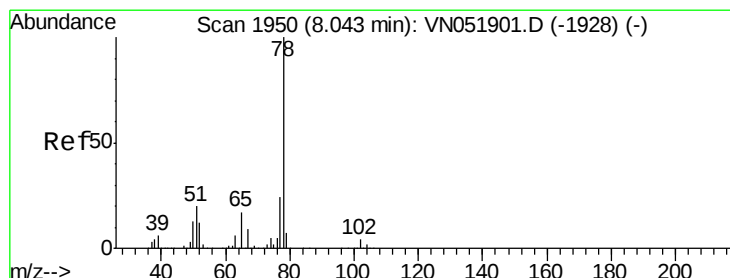
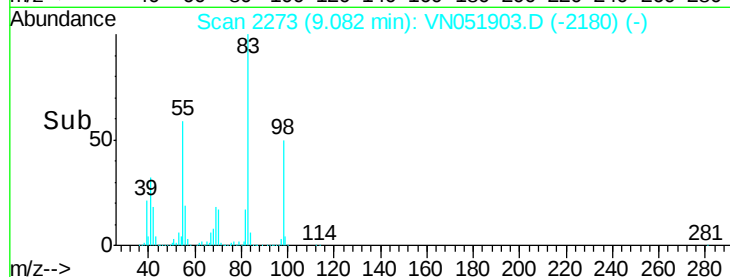
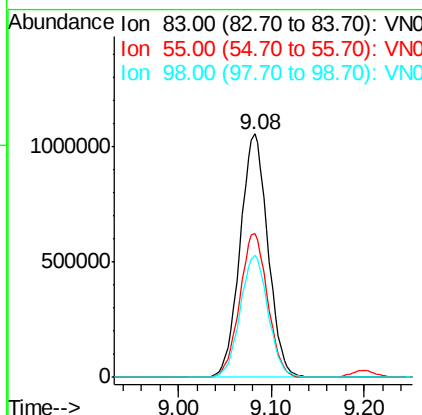
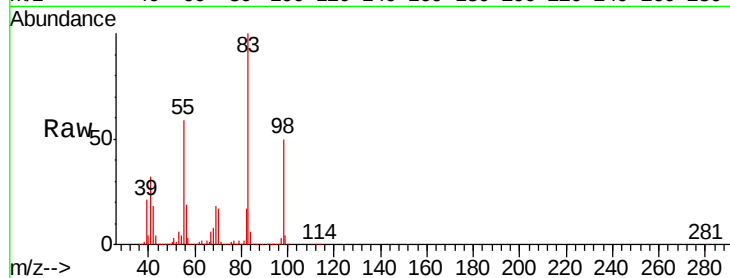
#39
Methylcyclohexane
Concen: 148.57 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 83 Resp: 2190615
Ion Ratio Lower Upper
83 100
55 59.0 47.8 71.8
98 49.9 39.0 58.4

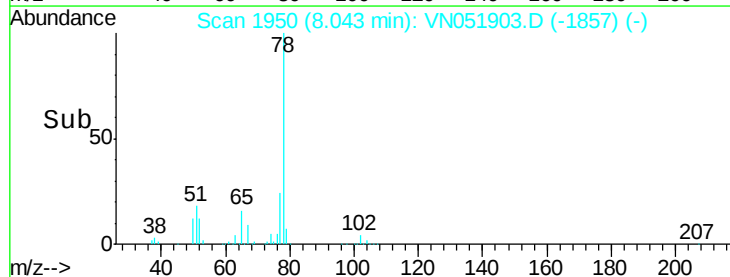
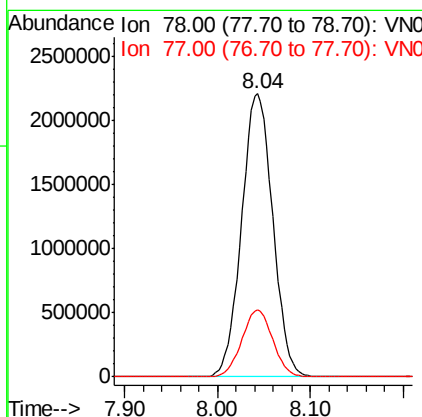
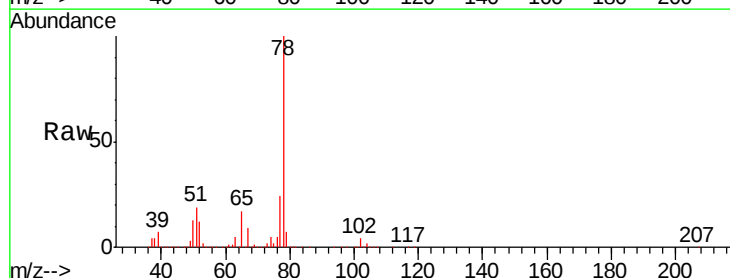
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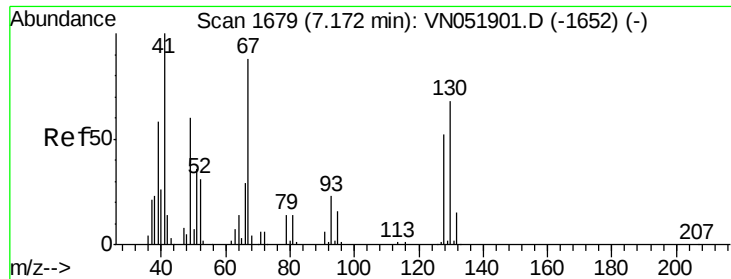
MMDadoda
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#40
Benzene
Concen: 147.93 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion: 78 Resp: 5145570
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3





#41

Methacrylonitrile

Concen: 152.55 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 412374
Ion Ratio Lower Upper

41 100

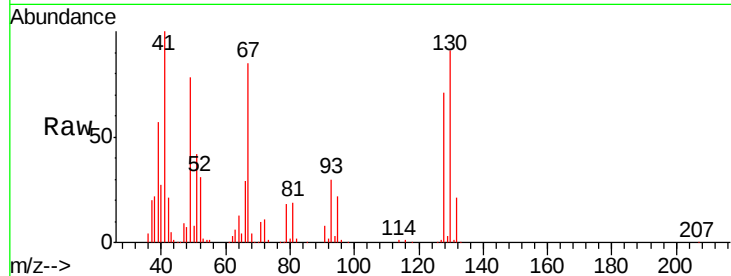
39 61.7 56.1 84.1

67 109.3 106.5 159.7

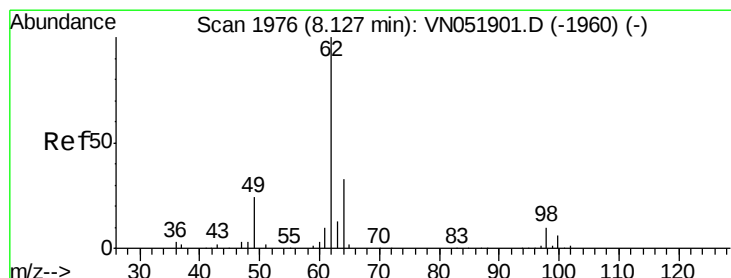
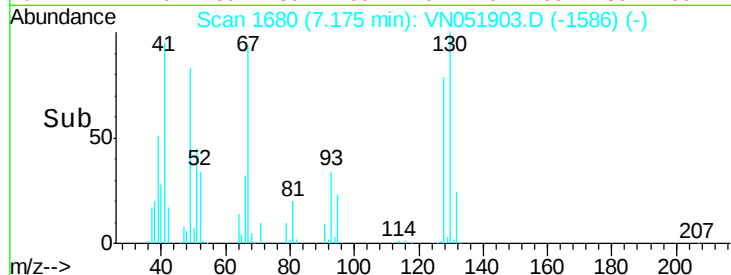
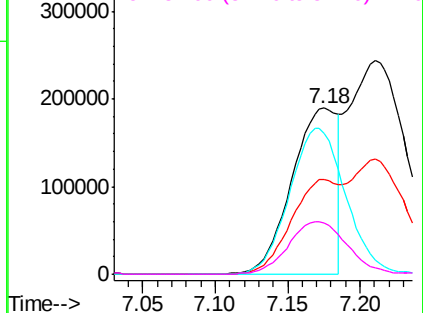
52 40.4 39.4 59.0

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Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 144.40 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

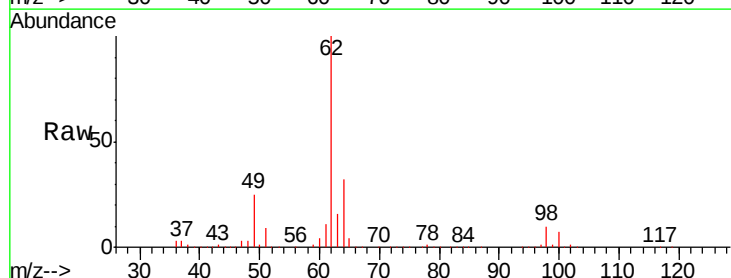
Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

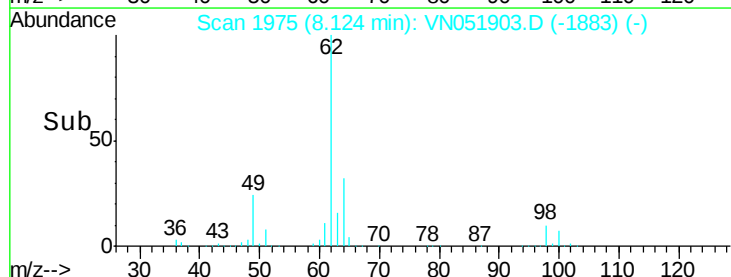
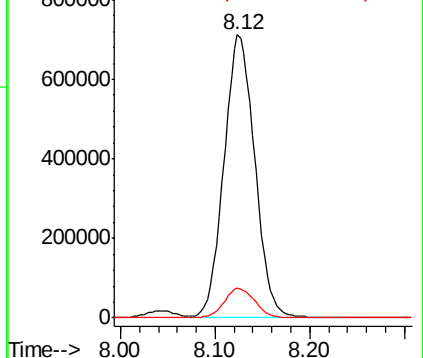
Tgt Ion: 62 Resp: 1609108
Ion Ratio Lower Upper

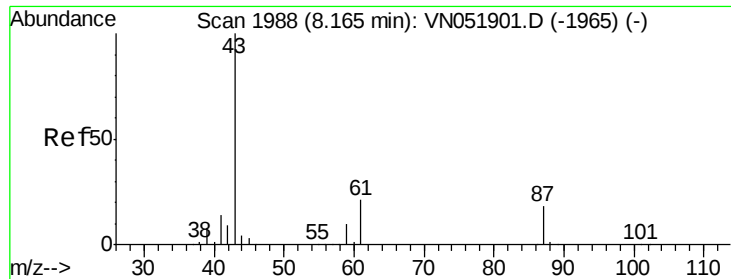
62 100

98 10.4 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 147.49 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1558540

Ion Ratio Lower Upper

43 100

61 22.8 24.9 37.3#

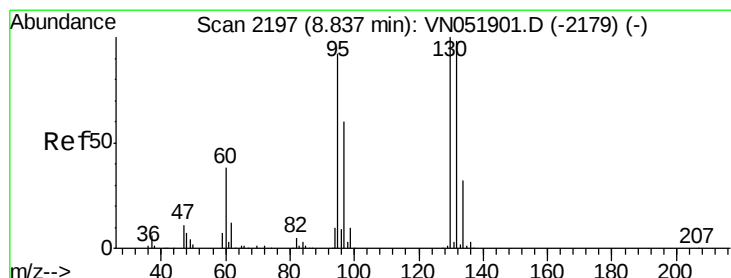
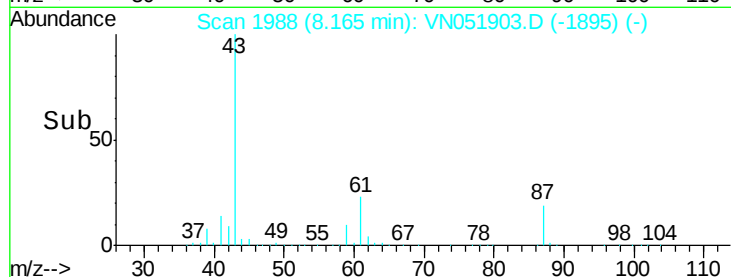
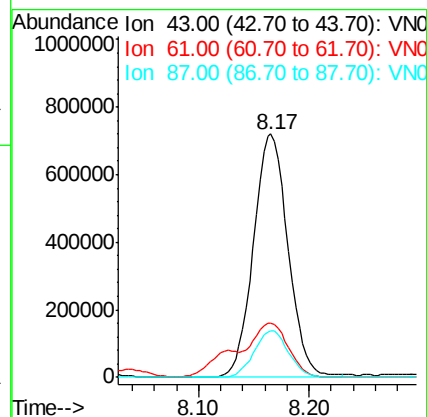
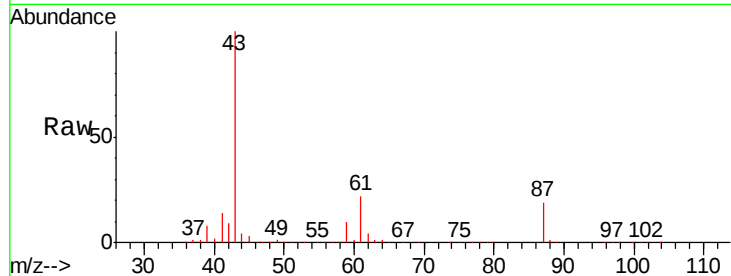
87 19.2 14.6 22.0

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#44

Trichloroethene

Concen: 153.71 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN051903.D

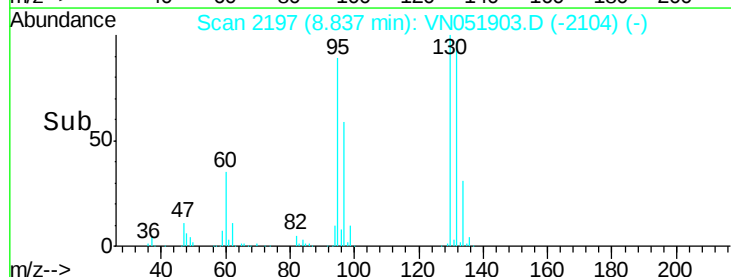
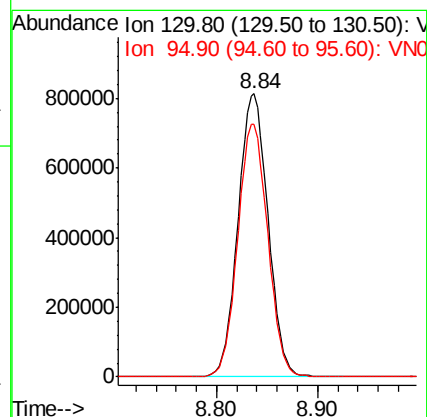
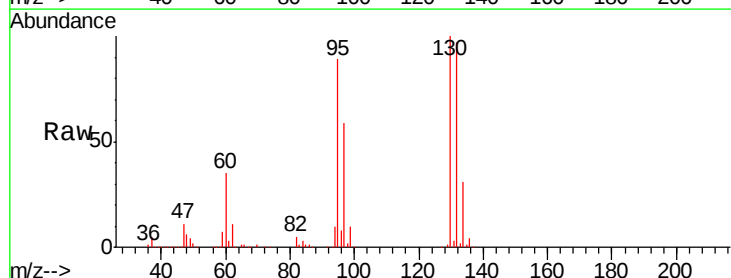
Acq: 17 Oct 2018 10:59

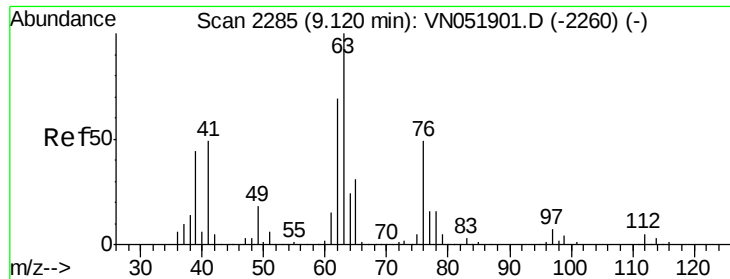
Tgt Ion: 130 Resp: 1677864

Ion Ratio Lower Upper

130 100

95 89.2 0.0 183.2





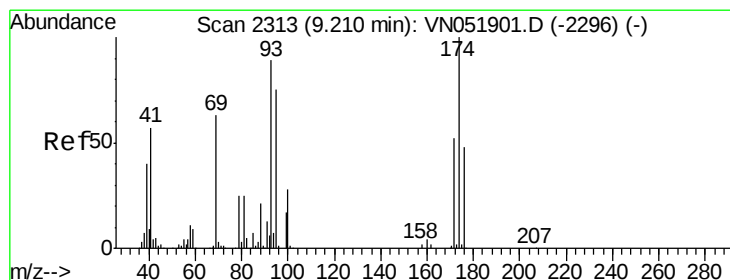
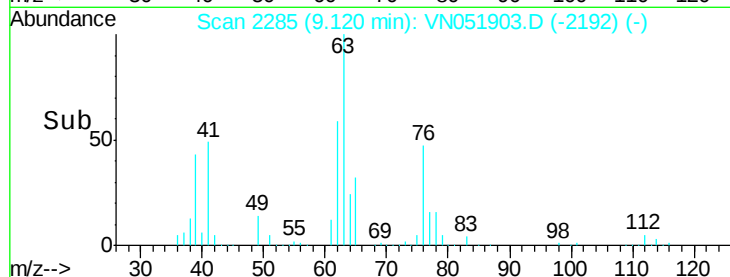
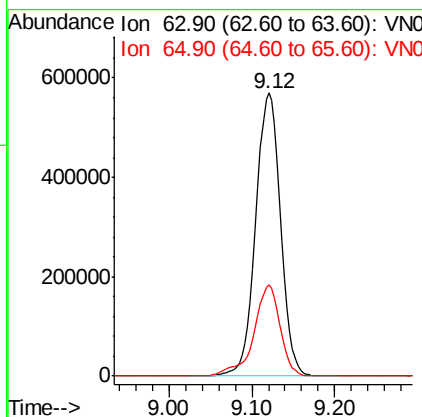
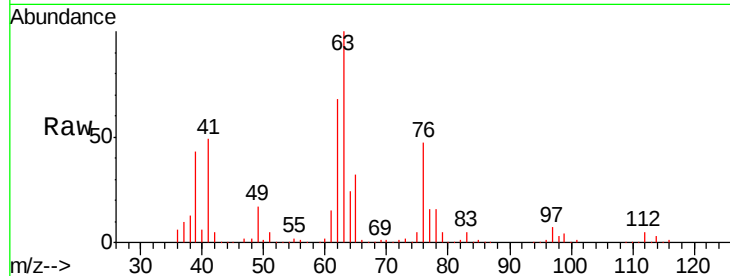
#45
 1,2-Dichloropropane
 Concen: 147.23 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 1184261
 Ion Ratio Lower Upper
 63 100
 65 32.2 24.9 37.3

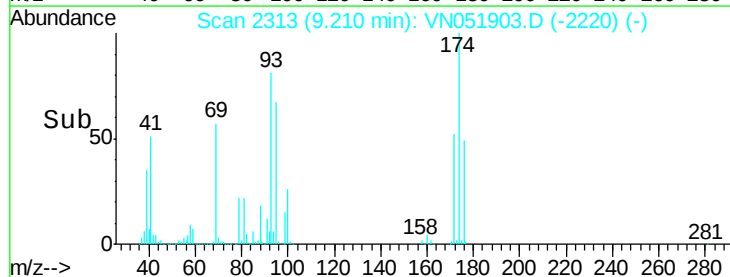
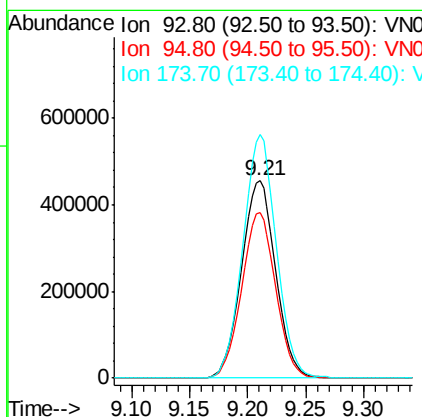
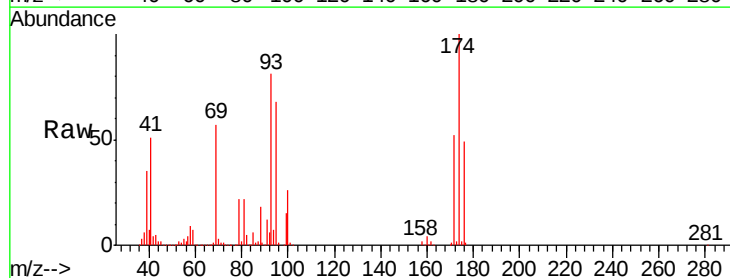
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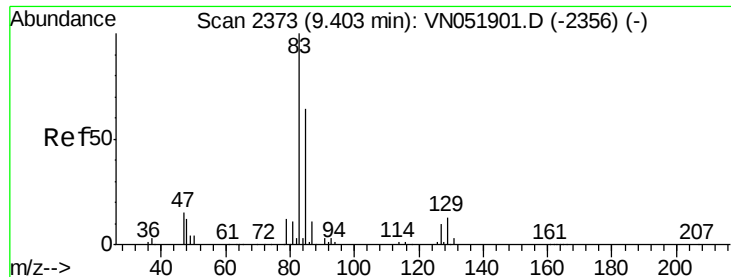
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#46
 Dibromomethane
 Concen: 152.70 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Tgt Ion: 93 Resp: 936179
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.8 101.6
 174 120.6 91.9 137.9





#47

Bromodichloromethane

Concen: 157.03 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 1929539

Ion Ratio Lower Upper

83 100

85 65.9 51.4 77.2

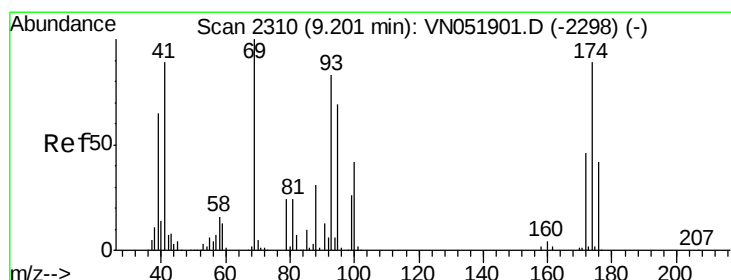
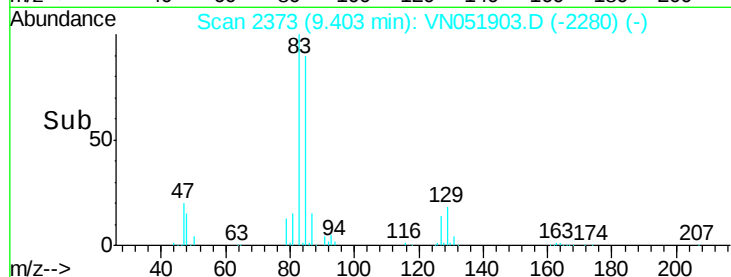
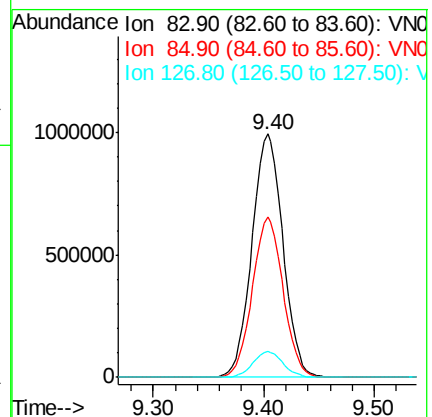
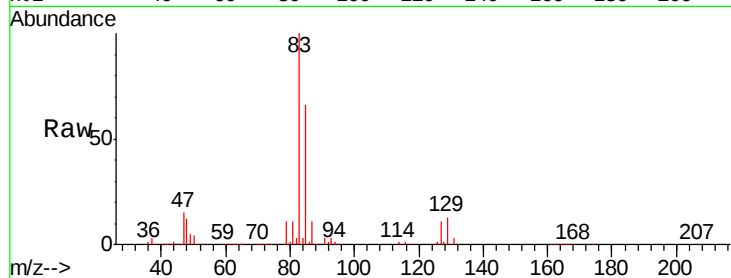
127 10.5 7.9 11.9

Manual Integrations

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#48

Methyl methacrylate

Concen: 152.01 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

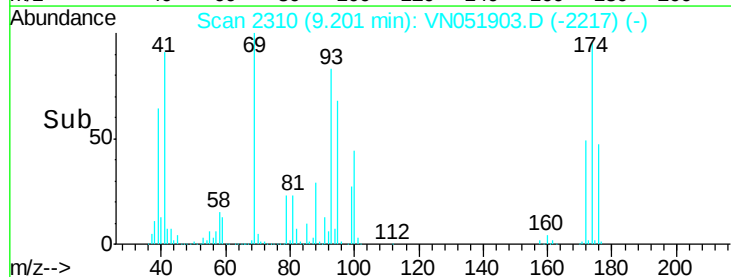
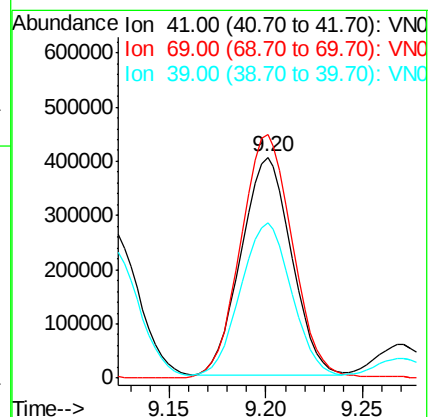
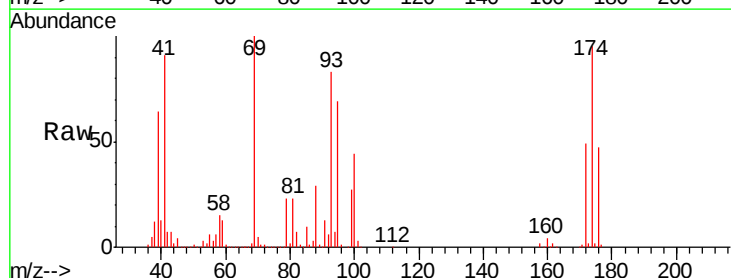
Tgt Ion: 41 Resp: 730675

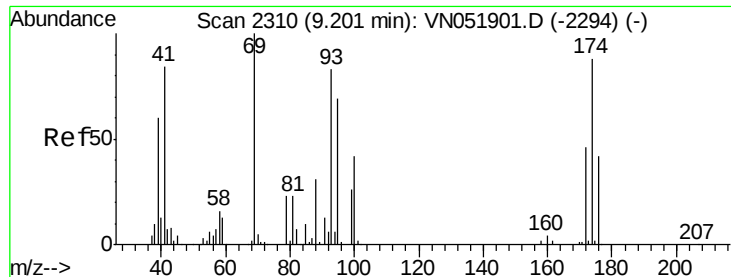
Ion Ratio Lower Upper

41 100

69 115.1 90.2 135.2

39 72.7 59.7 89.5





#49

1,4-Dioxane

Concen: 2907.27 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

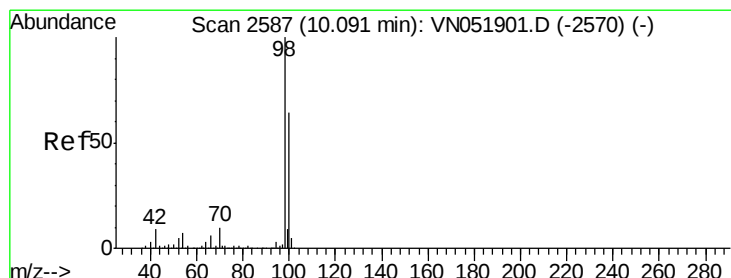
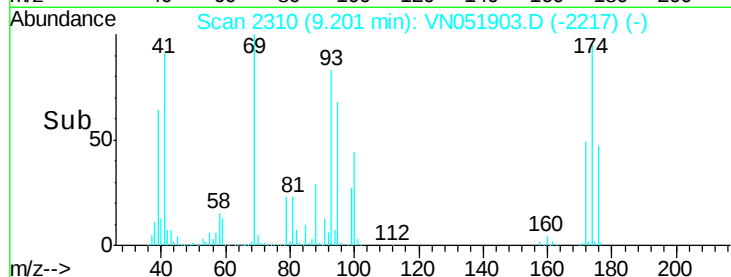
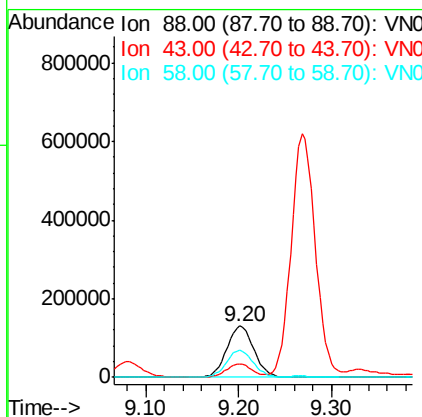
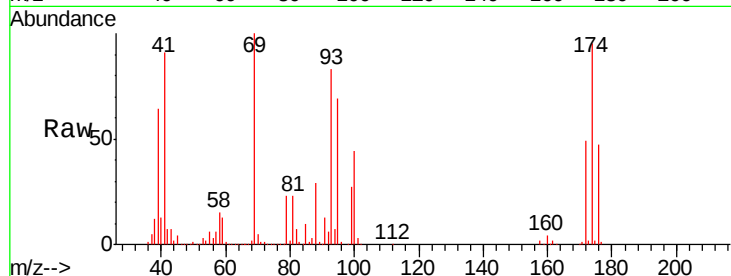
ClientSampleId :

VSTDIC150

Tgt Ion:	88	Resp:	265424
Ion	Ratio	Lower	Upper
88	100		
43	24.0	19.7	29.5
58	52.2	42.6	64.0

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#50

Toluene-d8

Concen: 2907.27 ug/l

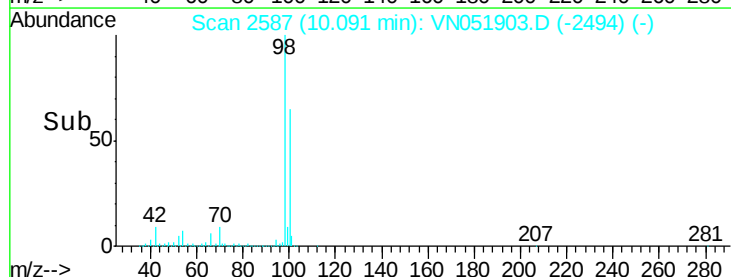
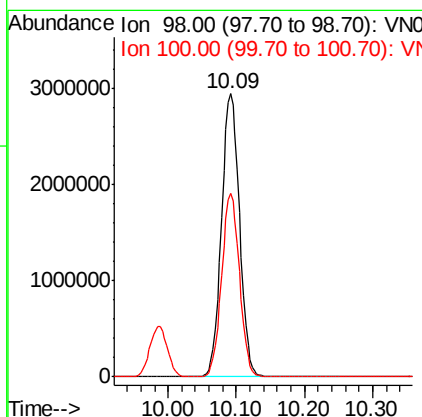
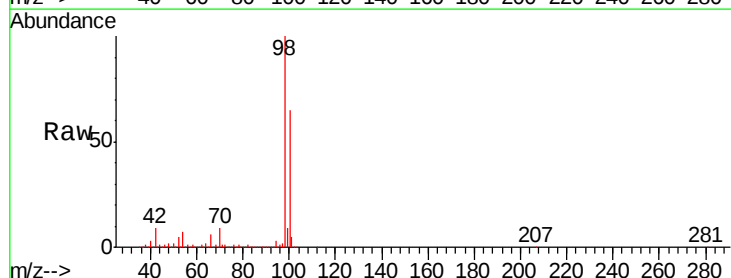
RT: 10.09 min Scan# 2587

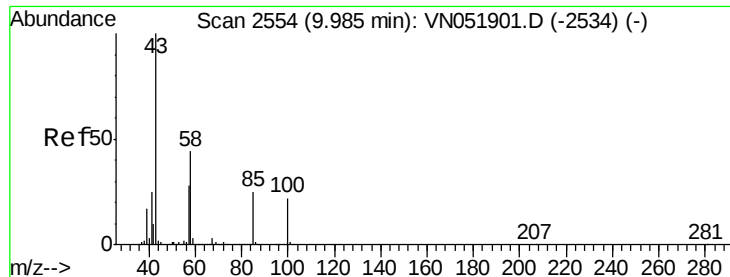
Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Tgt Ion:	98	Resp:	5395810
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.0	76.4





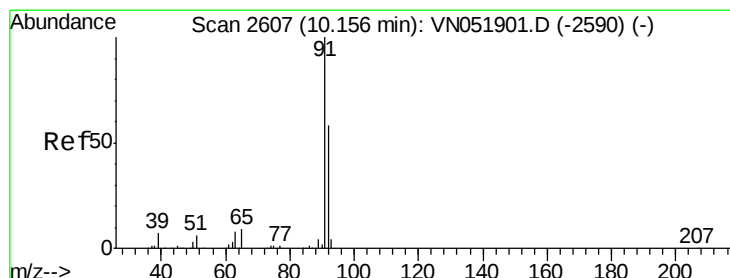
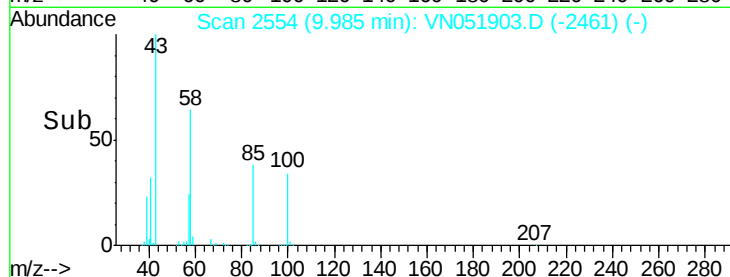
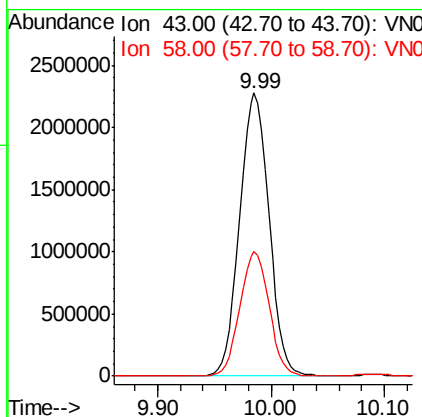
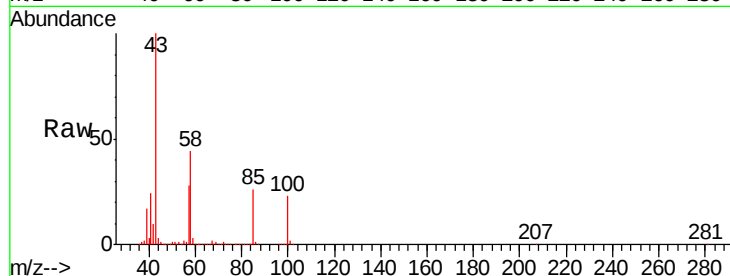
#51
4-Methyl-2-Pentanone
Concen: 745.73 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 4133566
Ion Ratio Lower Upper
43 100
58 43.8 34.6 52.0

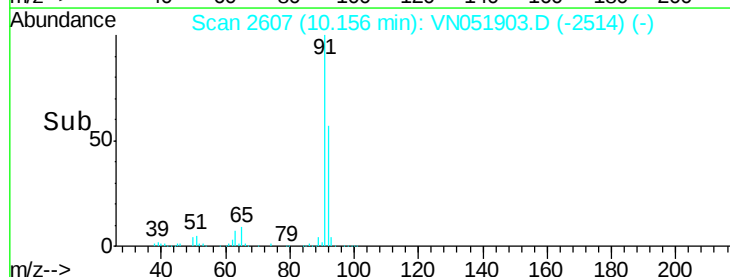
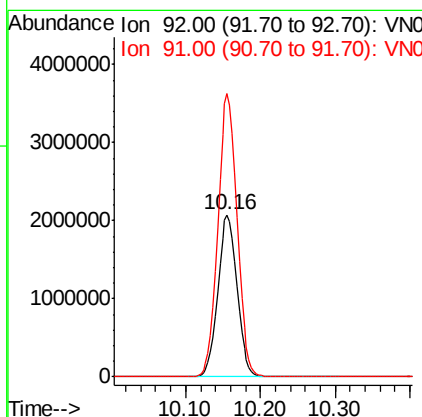
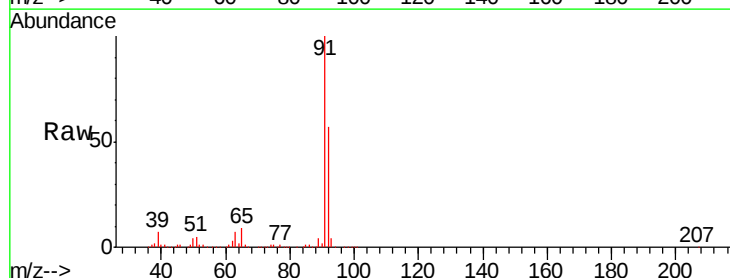
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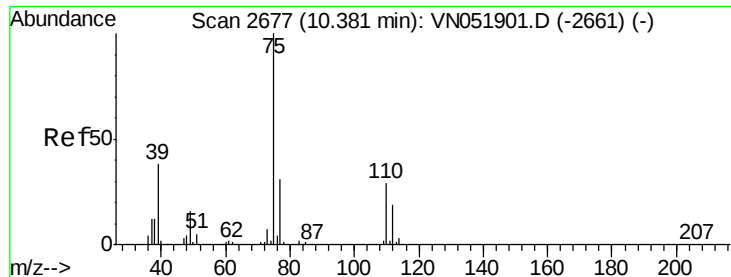
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#52
Toluene
Concen: 158.46 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion: 92 Resp: 3687160
Ion Ratio Lower Upper
92 100
91 174.6 139.8 209.6





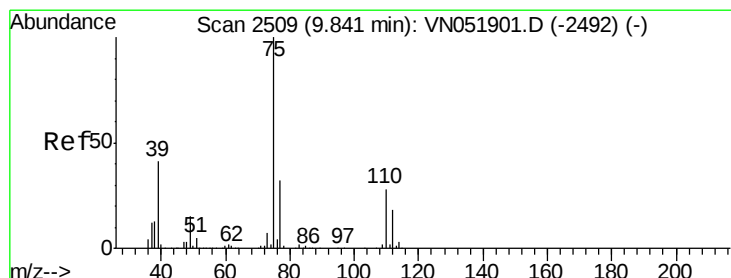
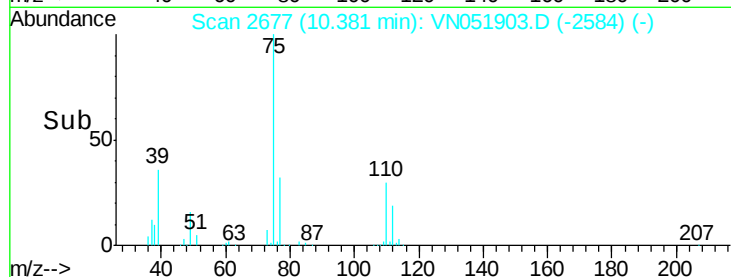
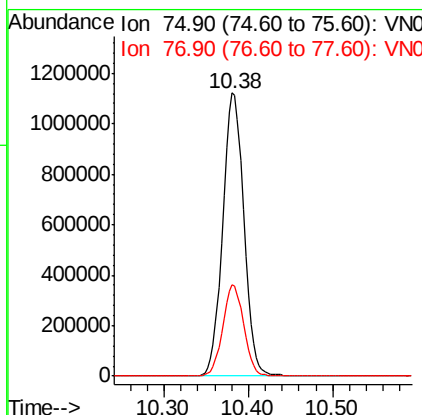
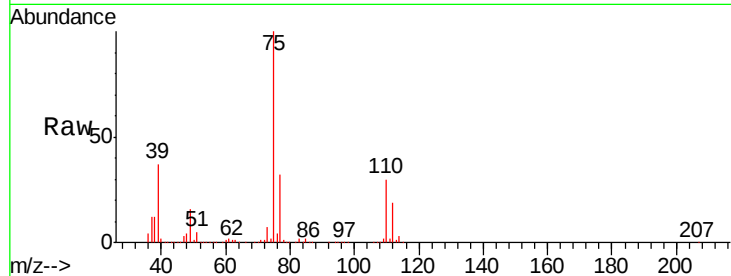
#53
t-1,3-Dichloropropene
Concen: 168.00 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 1956279
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0

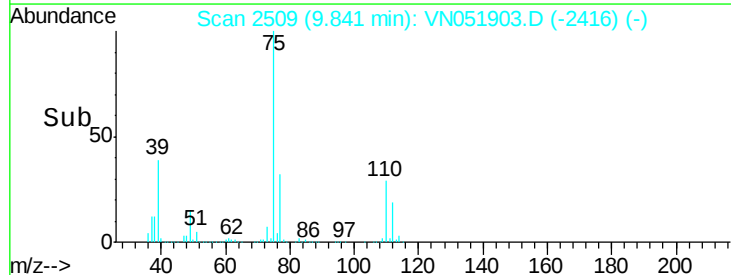
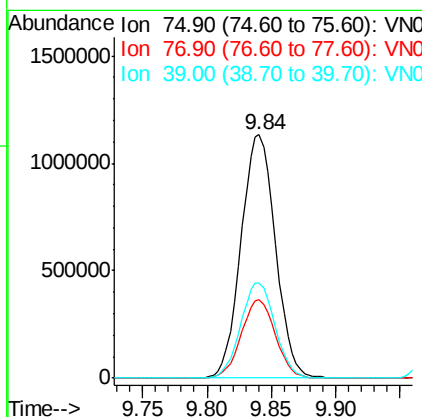
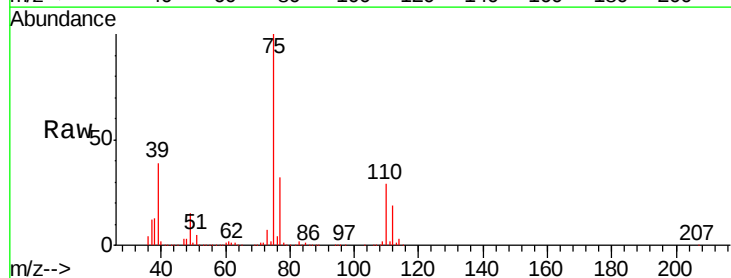
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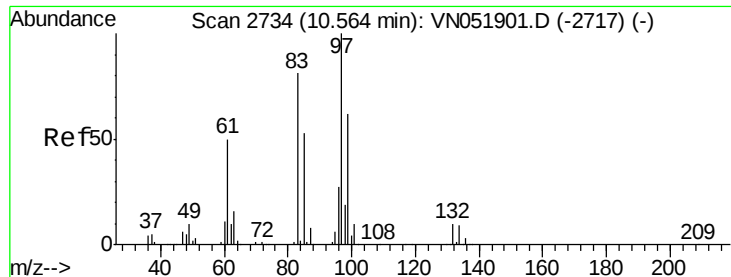
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#54
cis-1,3-Dichloropropene
Concen: 162.31 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion: 75 Resp: 2107454
Ion Ratio Lower Upper
75 100
77 32.0 25.3 37.9
39 39.1 32.8 49.2





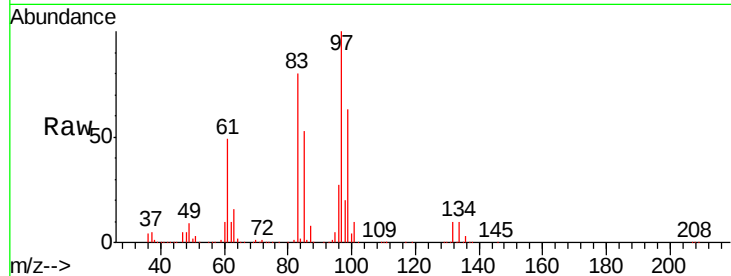
#55
 1,1,2-Trichloroethane
 Concen: 156.73 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.7	64.6	96.8
85	52.9	42.3	63.5
99	62.8	49.7	74.5

Manual Integrations
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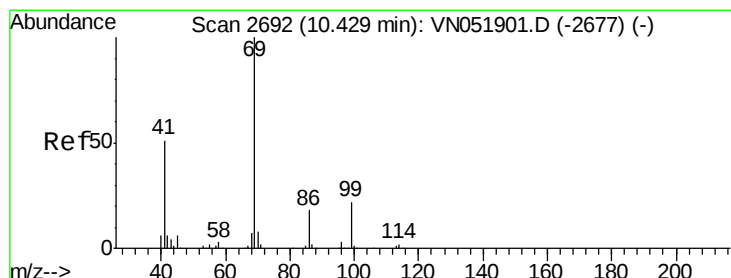
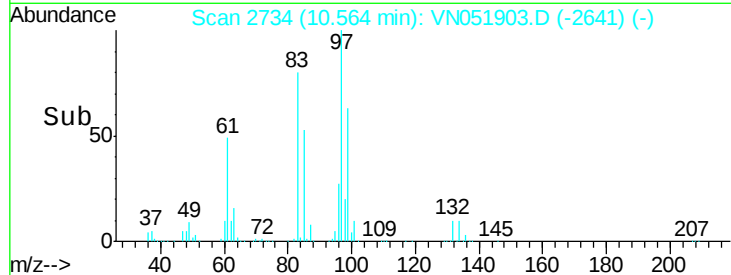
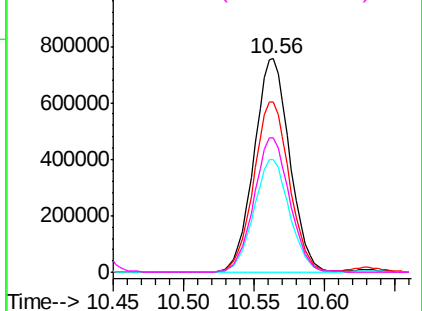
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

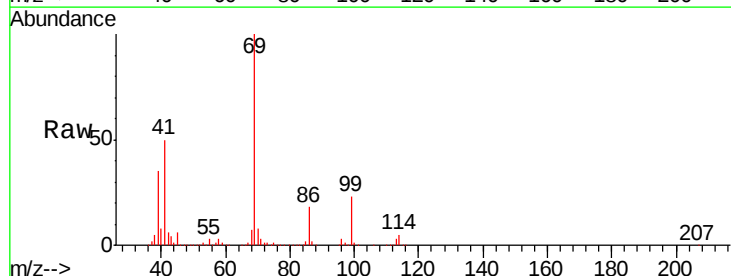
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 160.65 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	50.1	40.6	61.0
39	34.8	29.4	44.0

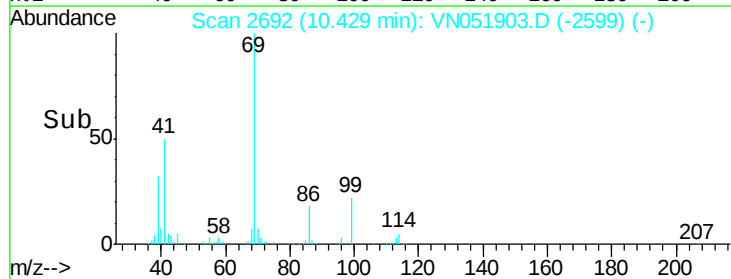
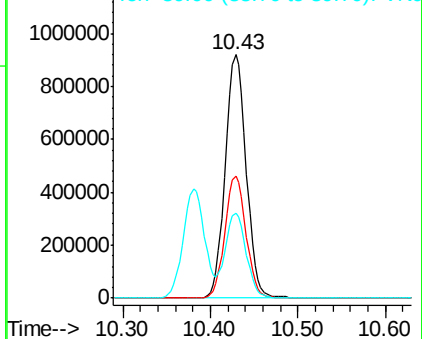


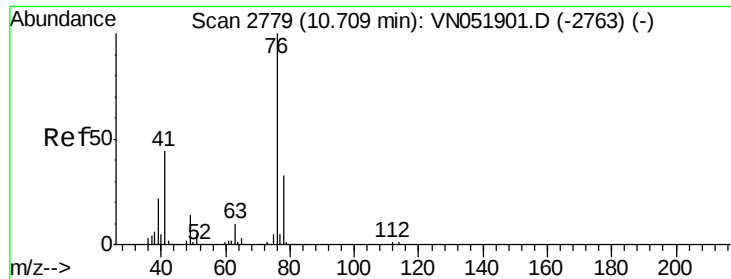
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 154.02 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 1999403

Ion Ratio Lower Upper

76 100

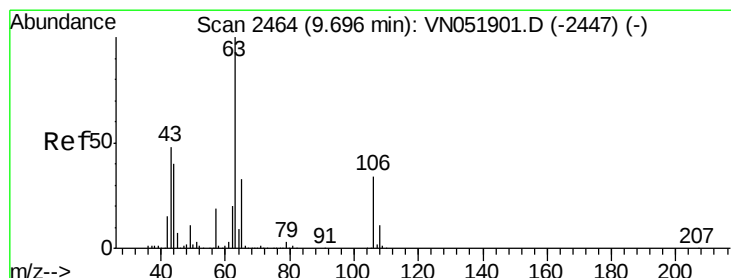
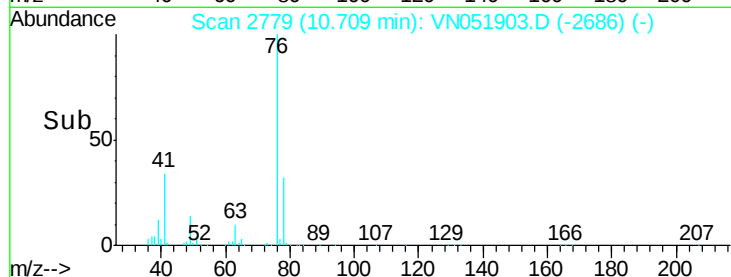
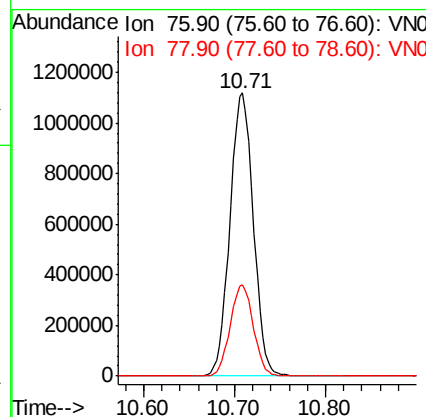
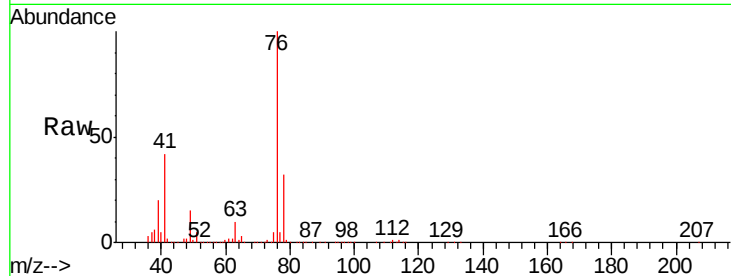
78 32.1 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 813.09 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051903.D

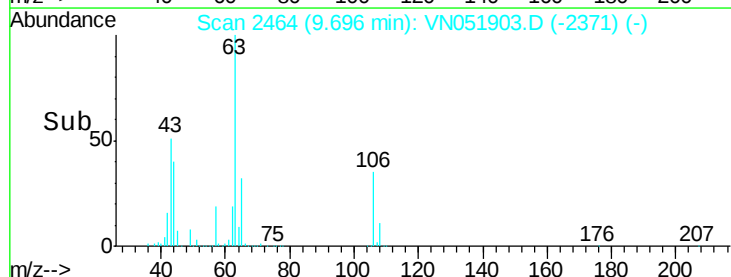
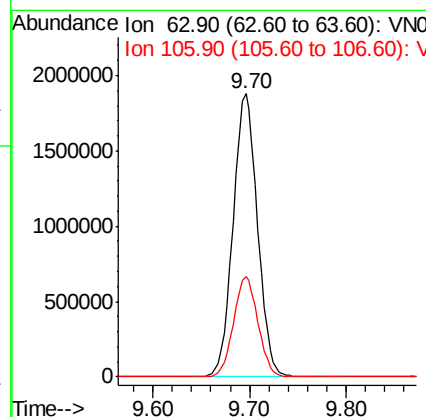
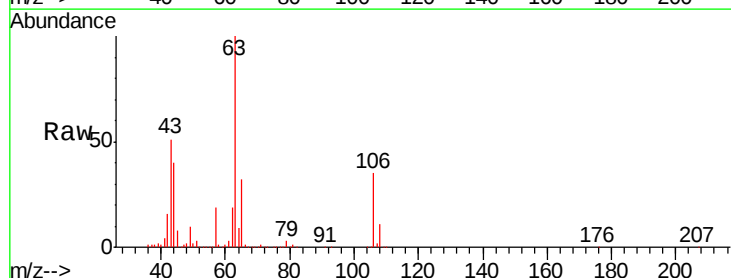
Acq: 17 Oct 2018 10:59

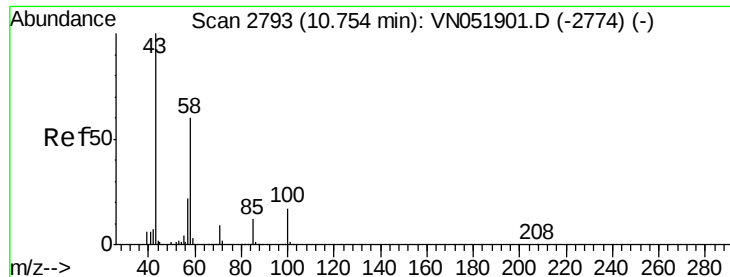
Tgt Ion: 63 Resp: 3283604

Ion Ratio Lower Upper

63 100

106 35.5 27.5 41.3





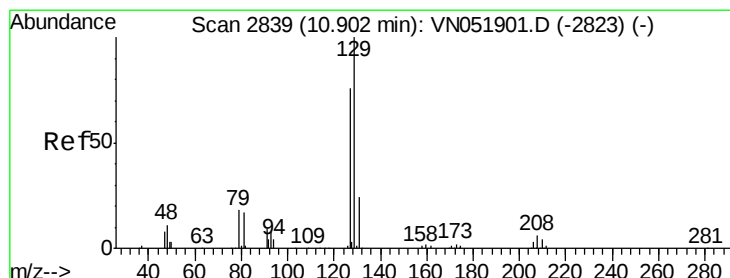
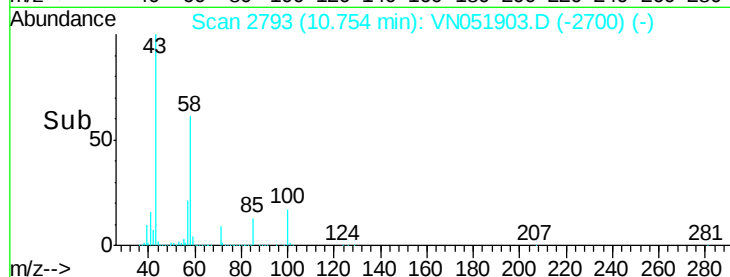
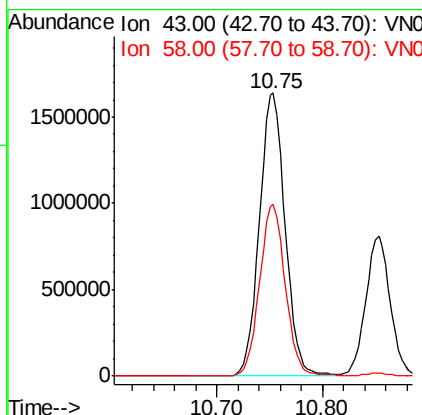
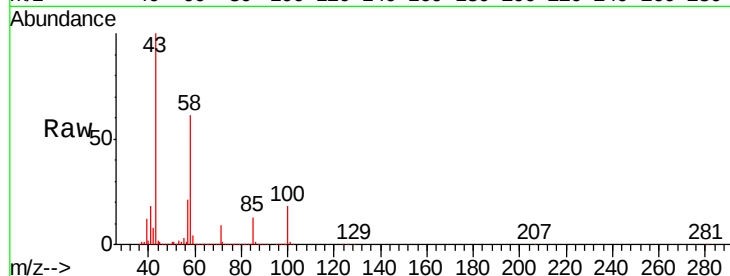
#59
2-Hexanone
Concen: 751.83 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 2794330
Ion Ratio Lower Upper
43 100
58 60.8 29.8 89.5

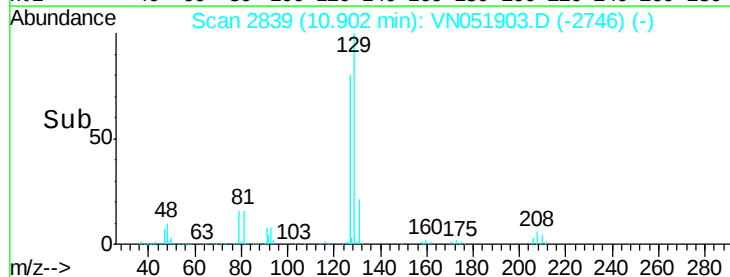
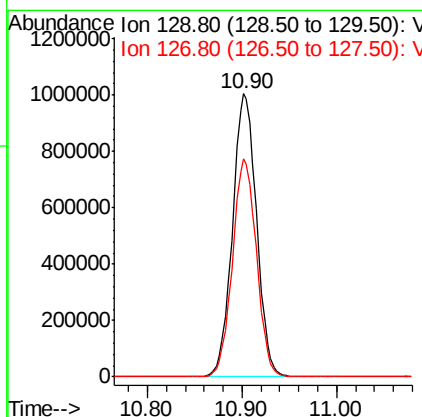
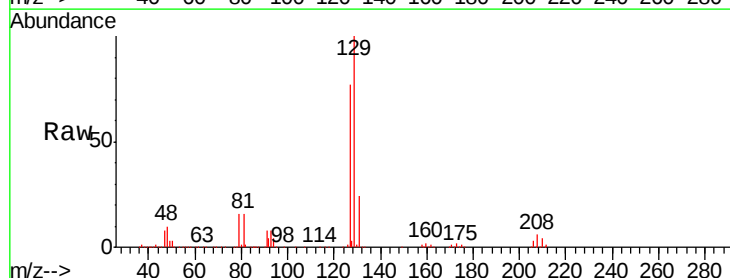
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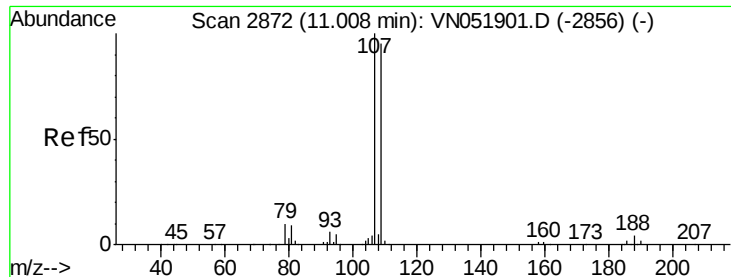
MMDadoda
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#60
Dibromochloromethane
Concen: 177.09 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion: 129 Resp: 1771942
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.8





#61

1,2-Dibromoethane

Concen: 162.16 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 107 Resp: 1450126

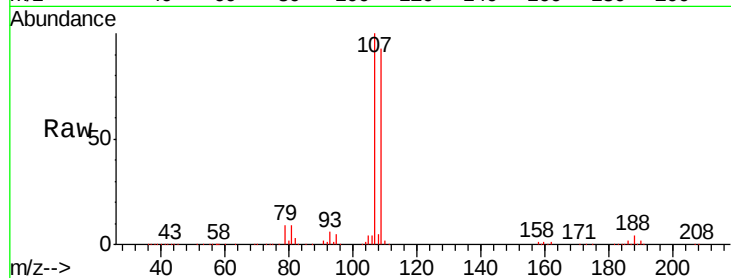
Ion Ratio Lower Upper

107 100

109 94.3 75.0 112.6

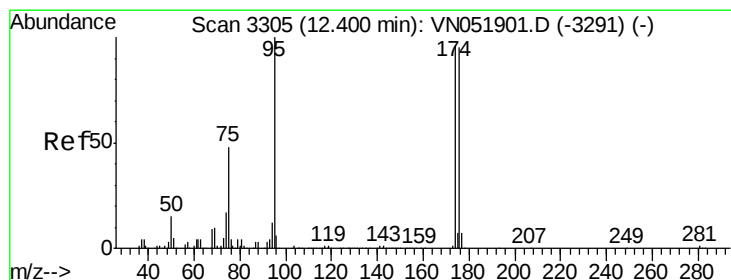
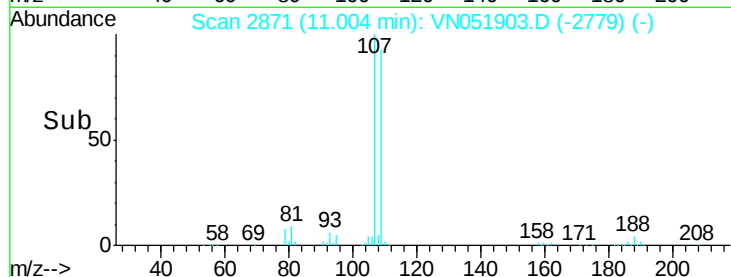
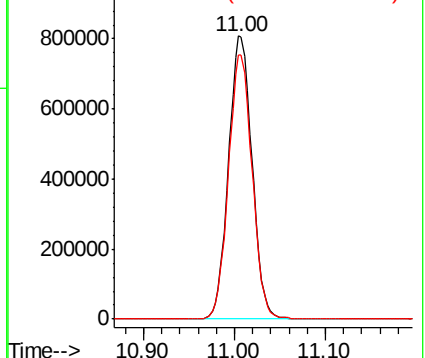
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 162.16 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

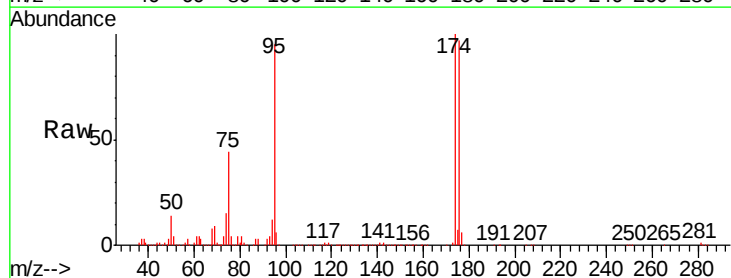
Tgt Ion: 95 Resp: 1932536

Ion Ratio Lower Upper

95 100

174 105.5 0.0 195.0

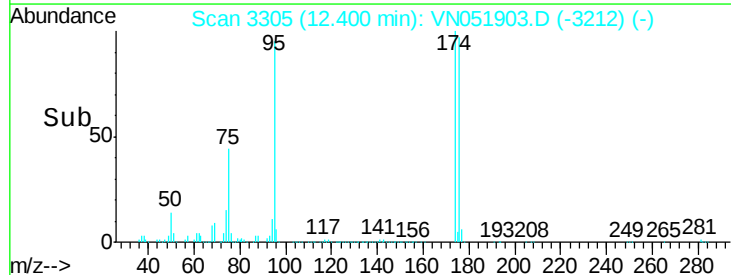
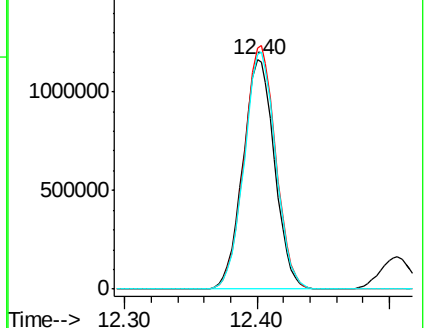
176 102.5 0.0 191.4

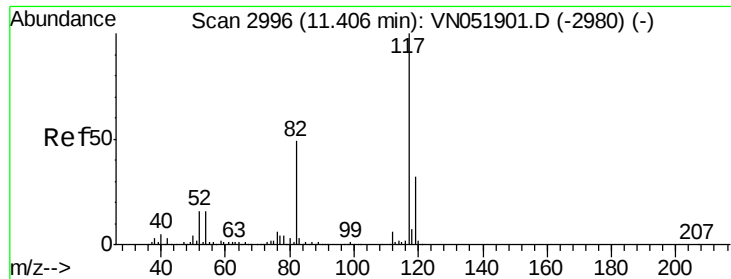


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





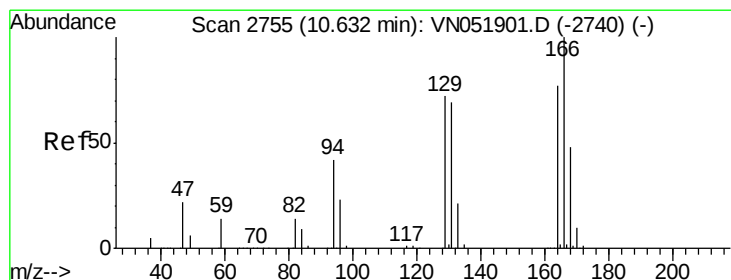
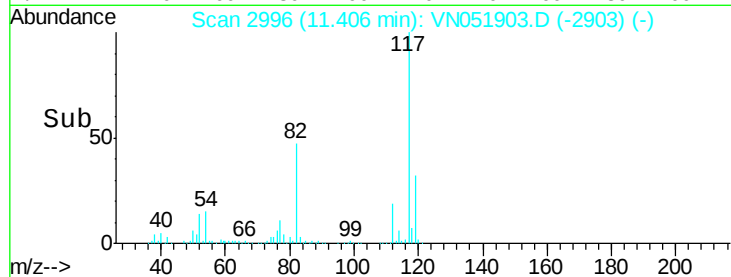
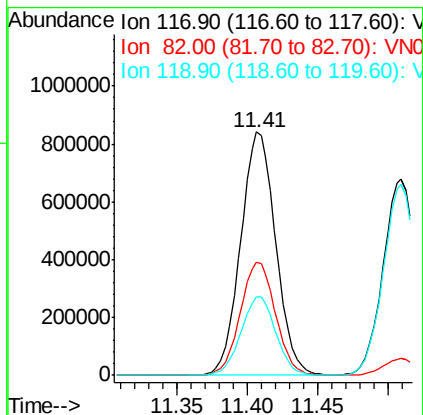
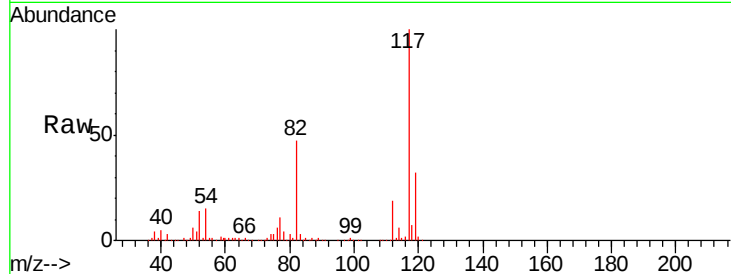
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 1466056
Ion Ratio Lower Upper
117 100
82 46.6 38.9 58.3
119 32.2 25.9 38.9

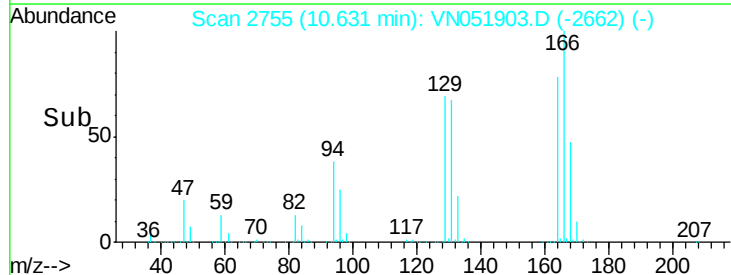
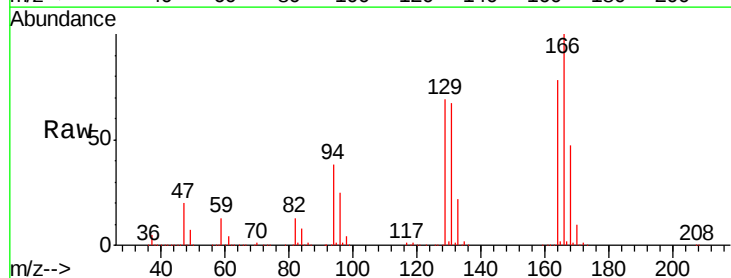
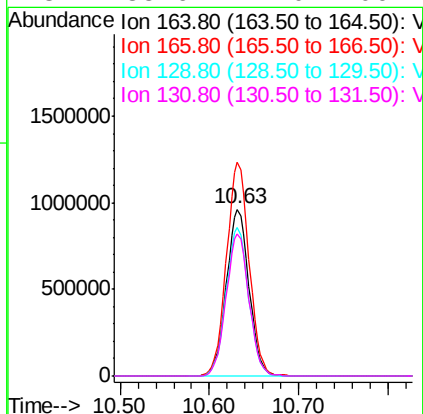
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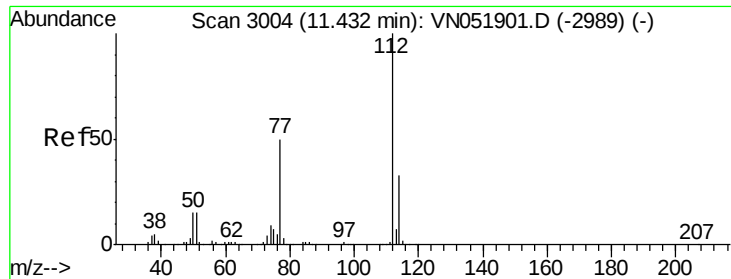
MMDadoda
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#64
Tetrachloroethene
Concen: 143.01 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion:164 Resp: 1682911
Ion Ratio Lower Upper
164 100
166 128.2 103.4 155.0
129 89.0 73.9 110.9
131 85.6 71.0 106.4





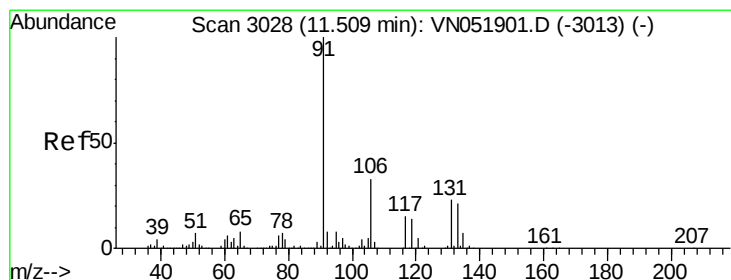
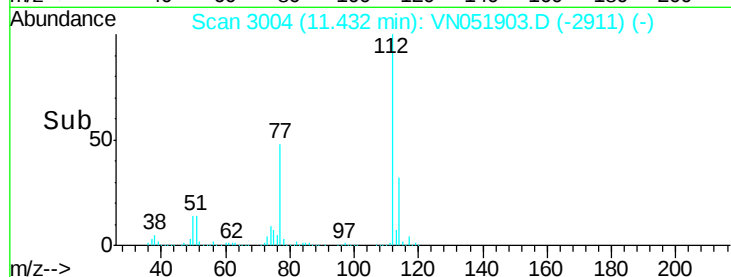
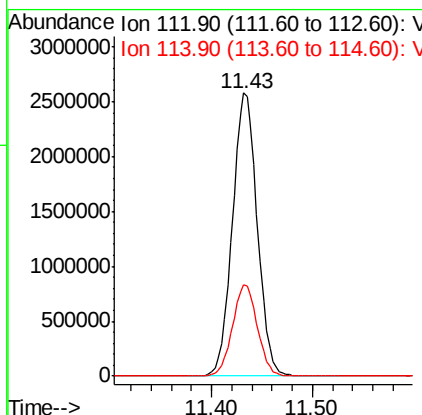
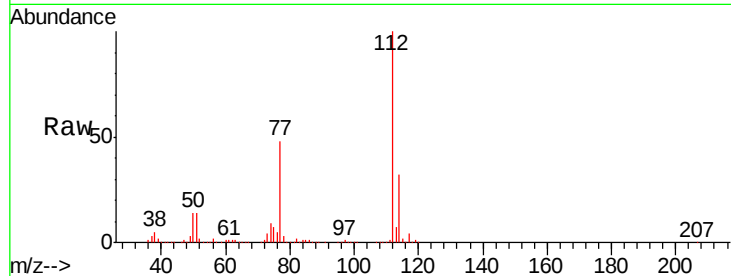
#65
Chlorobenzene
Concen: 150.52 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 4411952
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6

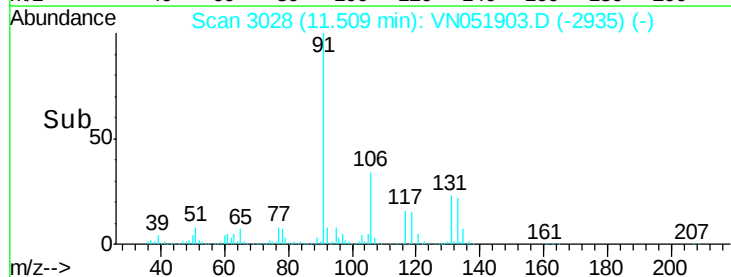
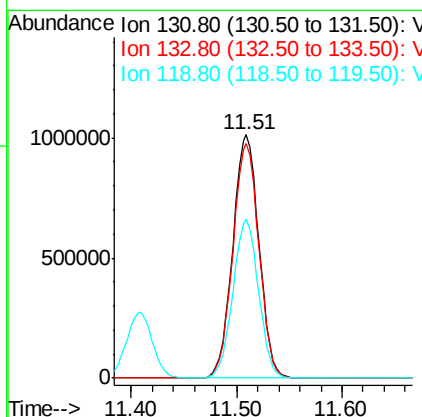
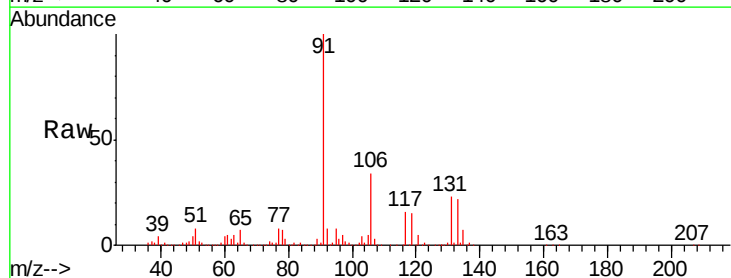
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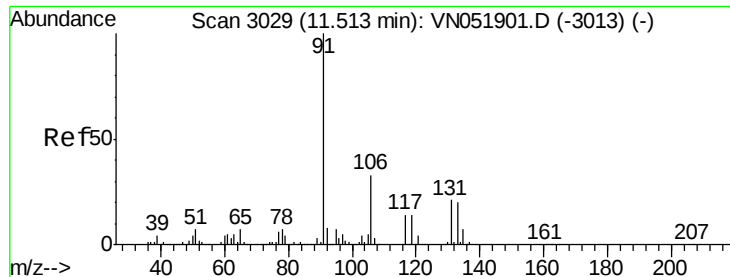
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#66
1,1,1,2-Tetrachloroethane
Concen: 158.67 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion:131 Resp: 1731082
Ion Ratio Lower Upper
131 100
133 96.1 47.5 142.6
119 64.4 32.1 96.5





#67

Ethyl Benzene

Concen: 150.26 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 7215049

Ion Ratio Lower Upper

91 100

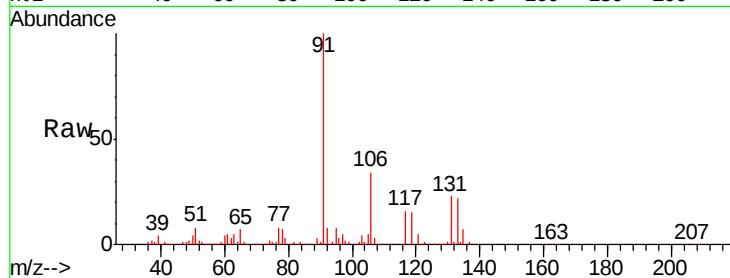
106 33.8 26.6 39.8

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Abundance Ion 91.00 (90.70 to 91.70): VN051901.D (-3013) (-)

Ion 106.00 (105.70 to 106.70): VN051901.D (-3013) (-)

6000000

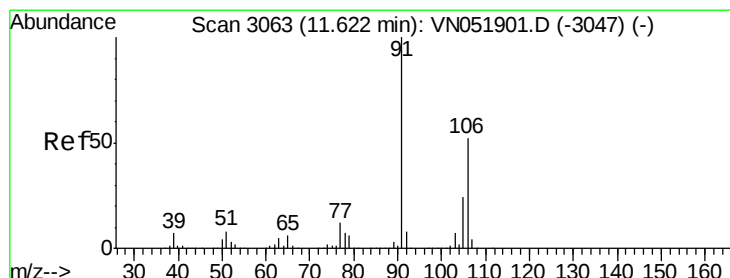
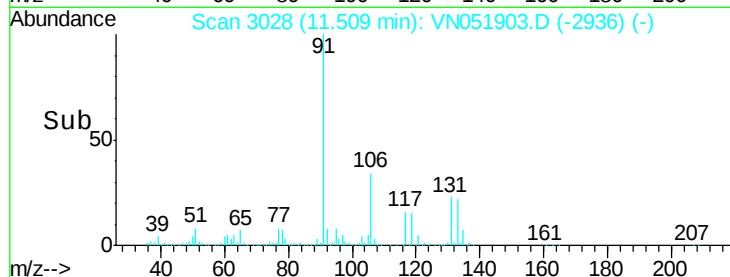
4000000

2000000

0

11.40 11.50 11.60

Time-->



#68

m/p-Xylenes

Concen: 311.02 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051903.D

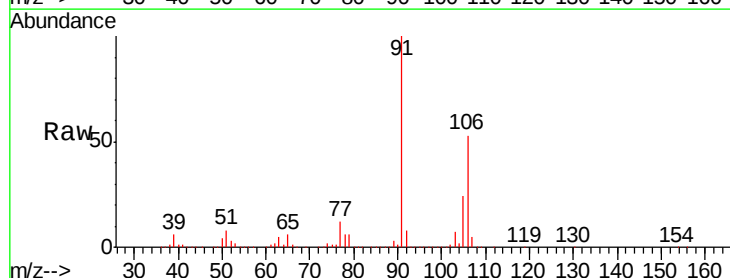
Acq: 17 Oct 2018 10:59

Tgt Ion: 106 Resp: 5996576

Ion Ratio Lower Upper

106 100

91 189.4 153.6 230.4



Abundance Ion 106.00 (105.70 to 106.70): VN051901.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN051901.D (-3047) (-)

6000000

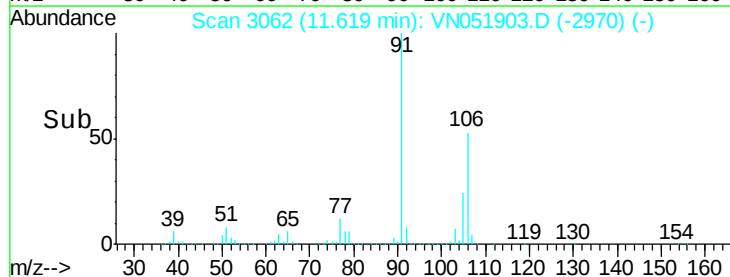
4000000

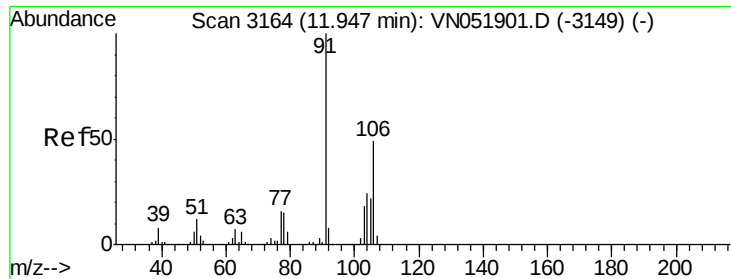
2000000

0

11.60 11.70

Time-->





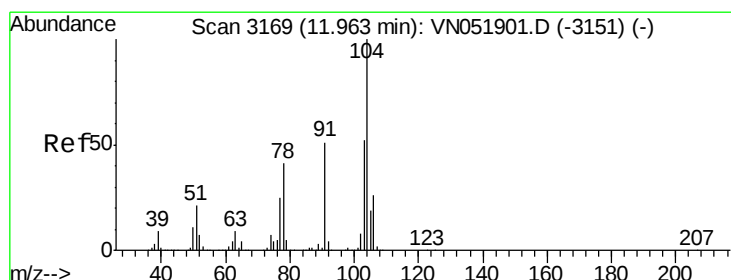
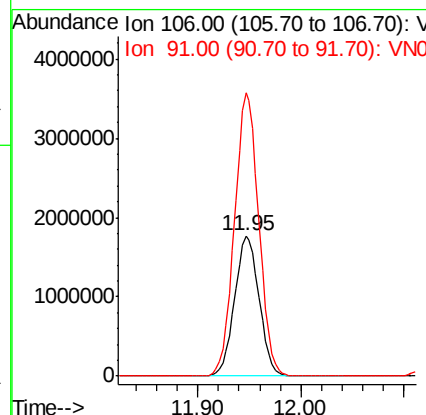
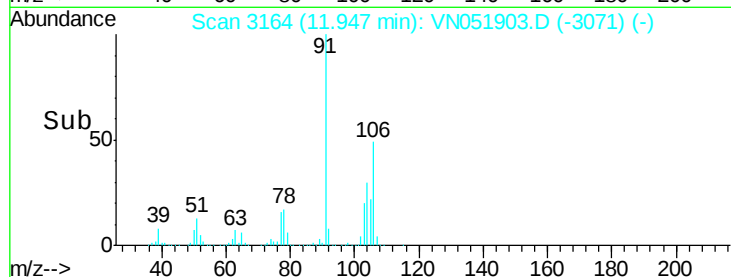
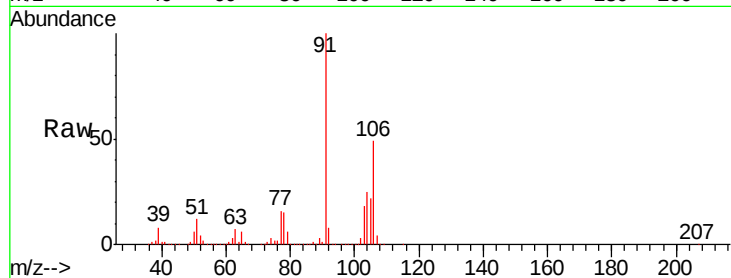
#69
o-Xylene
Concen: 155.41 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 2920039
Ion Ratio Lower Upper
106 100
91 200.0 100.7 302.1

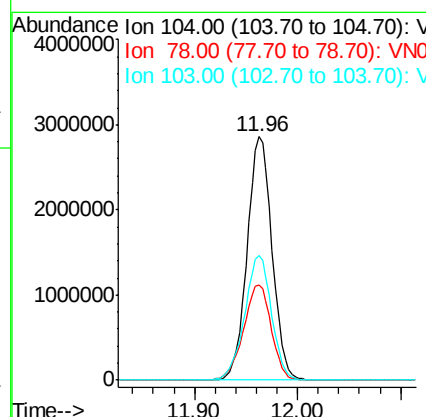
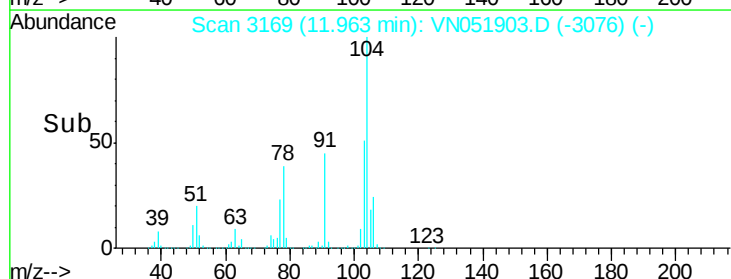
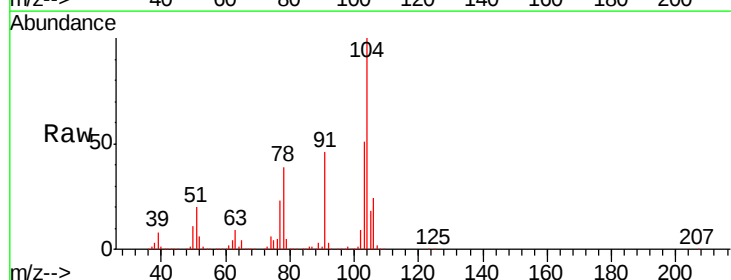
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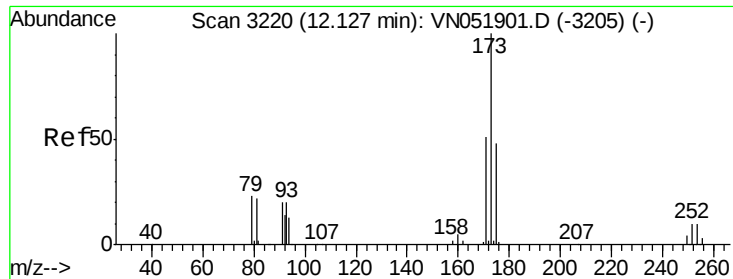
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#70
Styrene
Concen: 165.23 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion:104 Resp: 4775511
Ion Ratio Lower Upper
104 100
78 43.6 36.6 55.0
103 55.3 44.6 67.0





#71

Bromoform

Concen: 191.59 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:173 Resp: 1301828

Ion Ratio Lower Upper

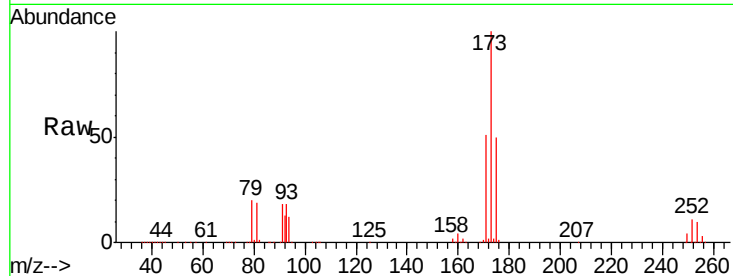
173 100

175 49.0 24.0 72.0

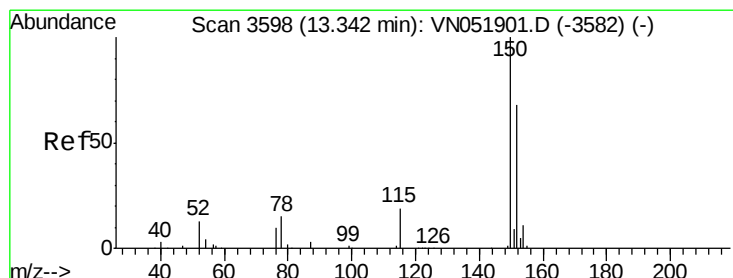
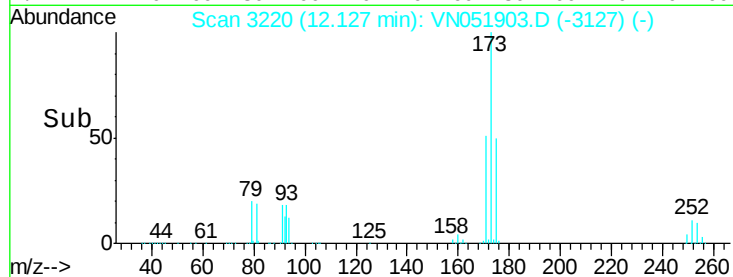
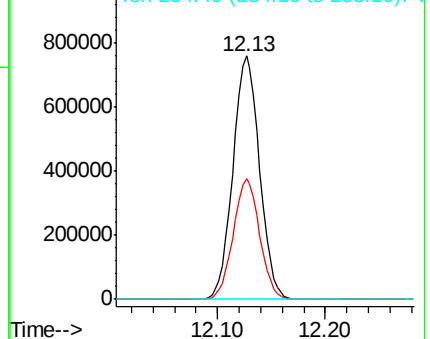
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

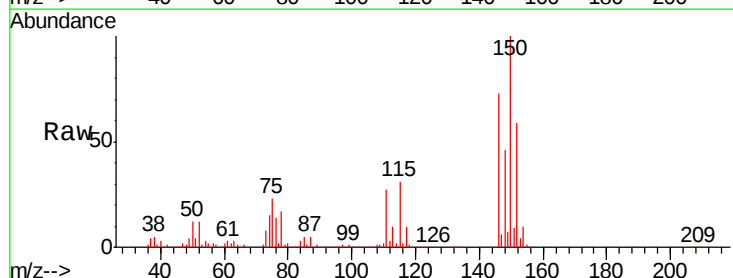
Tgt Ion:152 Resp: 801555

Ion Ratio Lower Upper

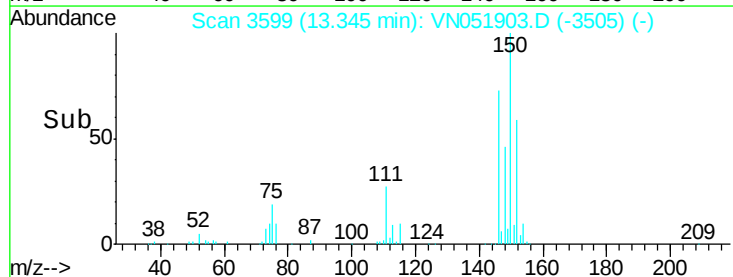
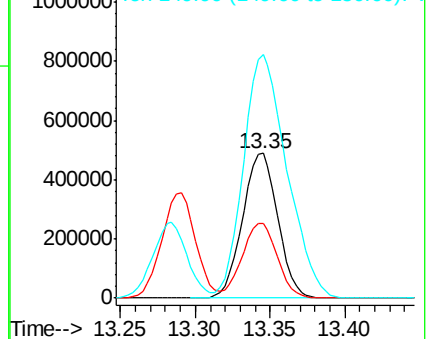
152 100

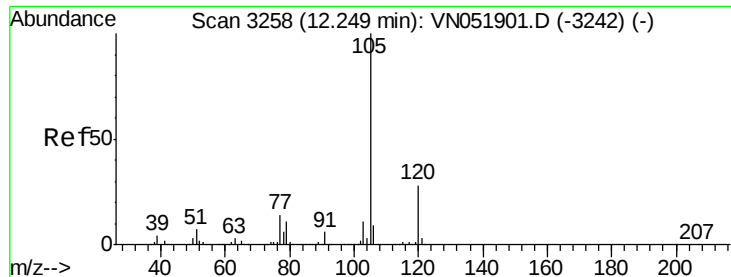
115 51.2 26.7 80.1

150 207.3 0.0 346.4



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





#73

Isopropylbenzene

Concen: 126.31 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 7837854

Ion Ratio Lower Upper

105 100

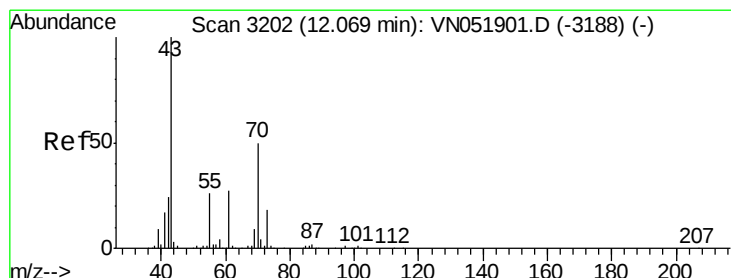
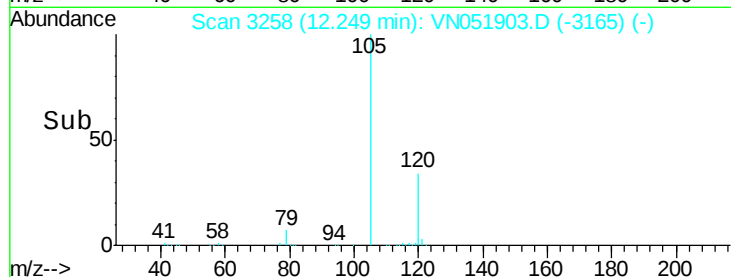
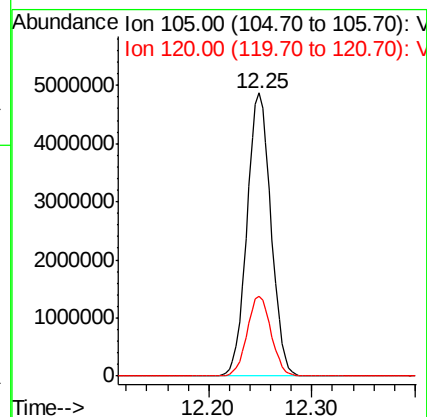
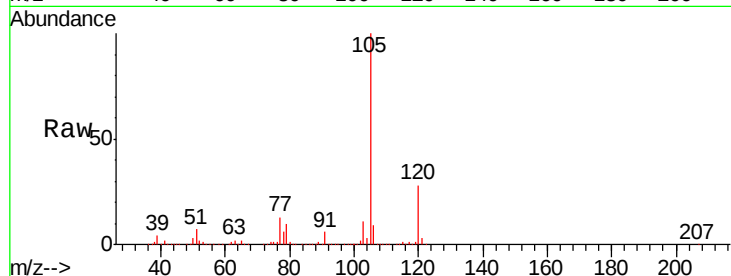
120 28.4 14.0 41.9

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#74

N-ethyl acetate

Concen: 135.43 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Tgt Ion: 43 Resp: 1444949

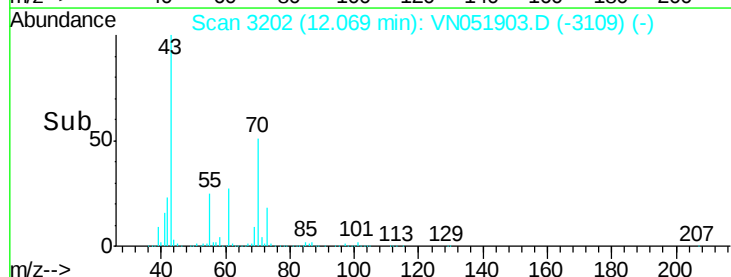
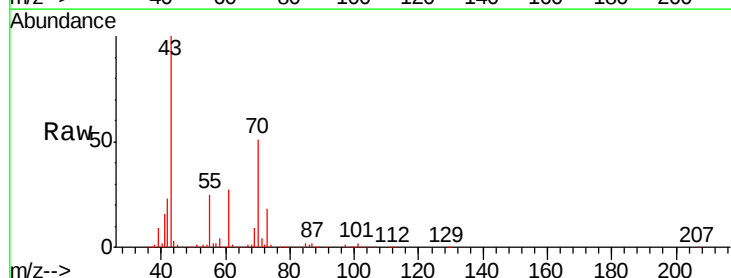
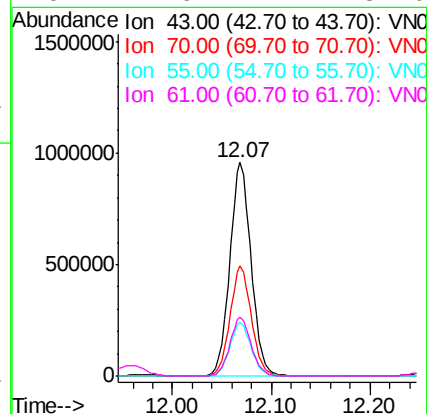
Ion Ratio Lower Upper

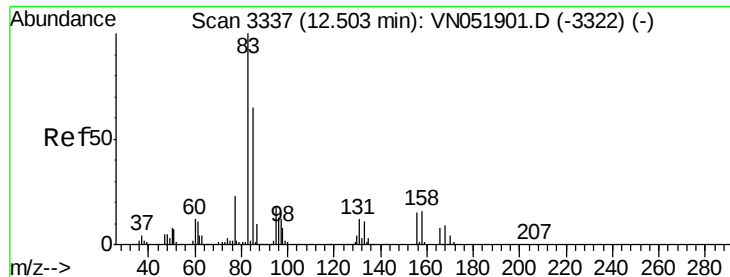
43 100

70 51.6 40.1 60.1

55 25.2 21.0 31.4

61 27.6 21.4 32.0





#75

1,1,2,2-Tetrachloroethane

Concen: 122.29 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 1533493

Ion Ratio Lower Upper

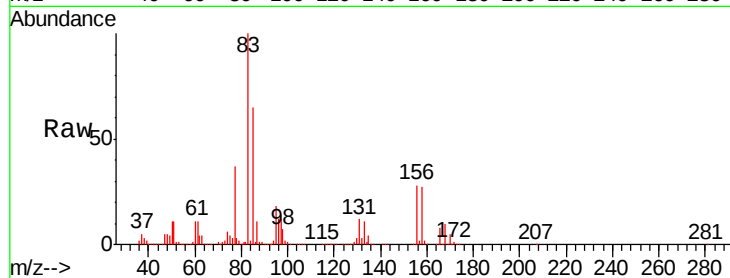
83 100

131 13.0 6.2 18.6

85 65.0 32.6 97.7

Manual Integrations
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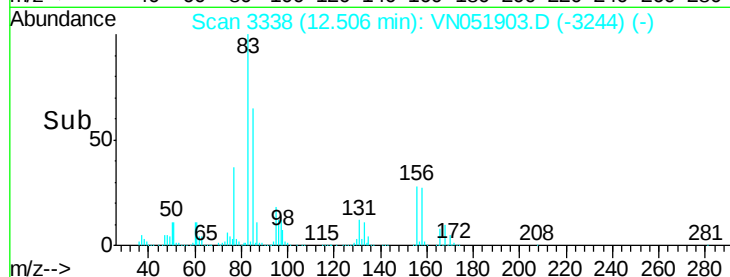


Abundance Ion 82.90 (82.60 to 83.60): VN051903.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN051903.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN051903.D (-3338) (-)

Time-->

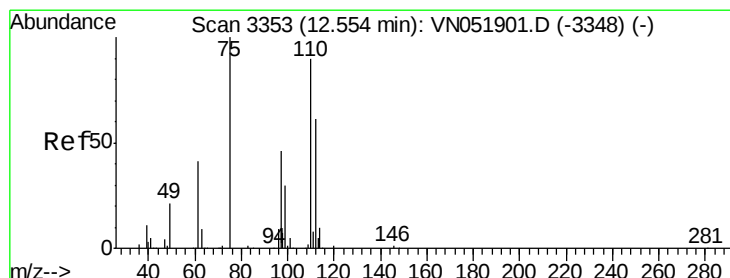


Abundance Ion 82.90 (82.60 to 83.60): VN051903.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN051903.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN051903.D (-3338) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 120.53 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN051903.D

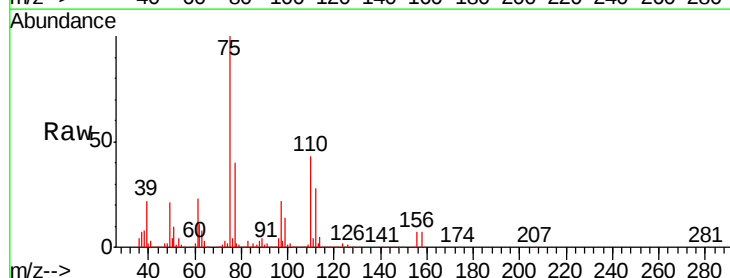
Acq: 17 Oct 2018 10:59

Tgt Ion: 75 Resp: 1221682

Ion Ratio Lower Upper

75 100

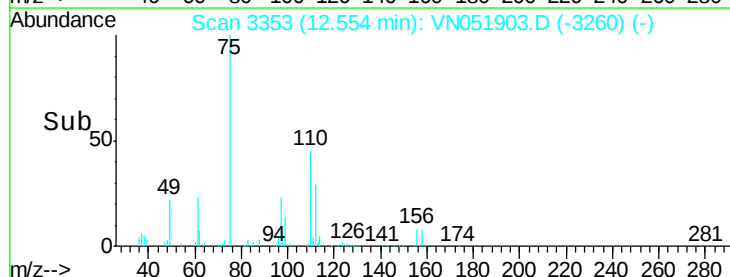
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051903.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051903.D (-3353) (-)

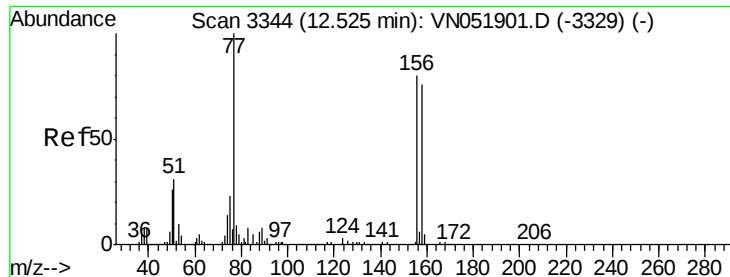
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN051903.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051903.D (-3353) (-)

Time-->



#77

Bromobenzene

Concen: 138.63 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:156 Resp: 2188933

Ion Ratio Lower Upper

156 100

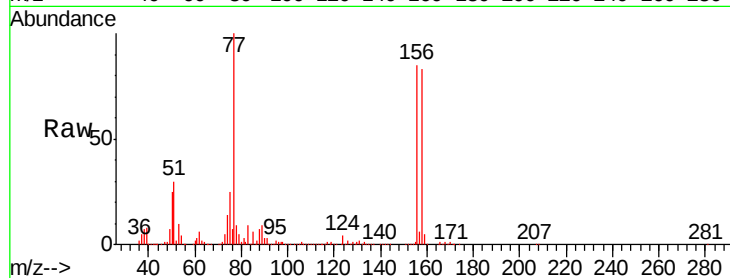
77 136.3 73.0 219.0

158 97.2 48.4 145.0

Manual Integrations
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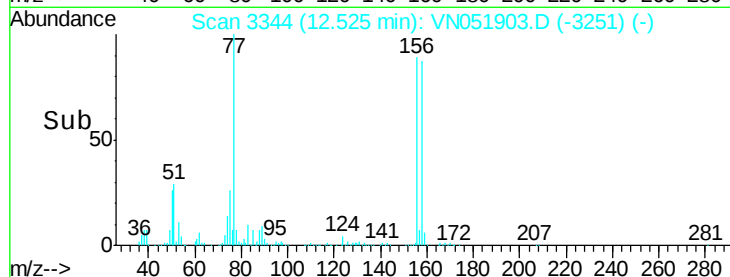
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

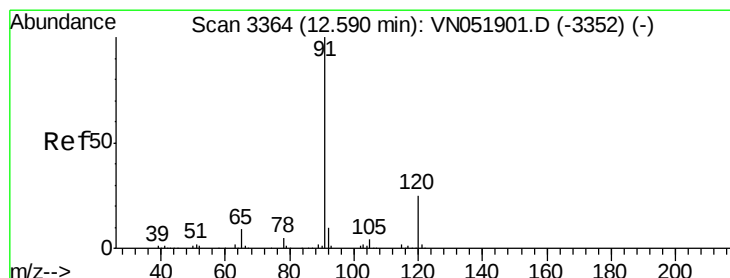
12.53

Time-->



12.53

Time-->



#78

n-propylbenzene

Concen: 131.38 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051903.D

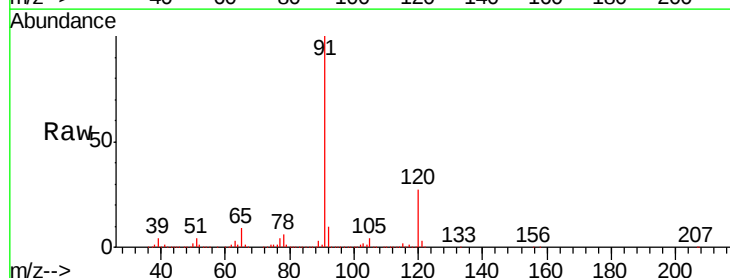
Acq: 17 Oct 2018 10:59

Tgt Ion: 91 Resp: 8486323

Ion Ratio Lower Upper

91 100

120 26.6 12.9 38.7

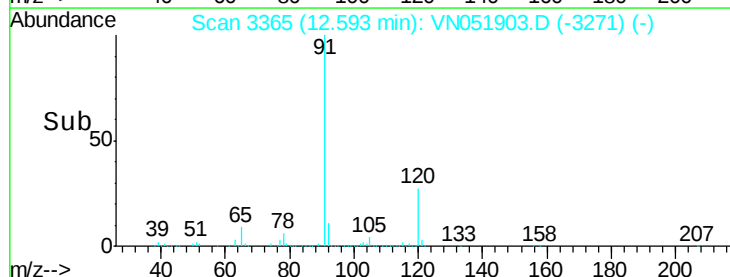


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

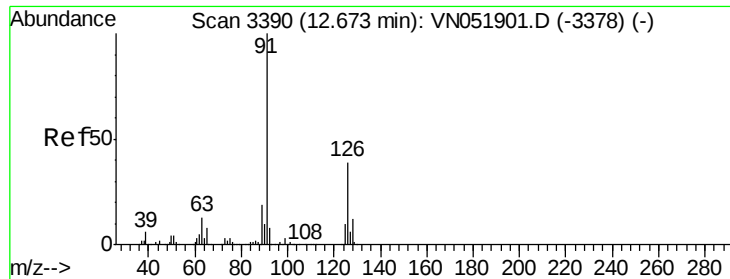
12.59

Time-->



12.59

Time-->



#79

2-Chlorotoluene

Concen: 124.14 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 4880126

Ion Ratio Lower Upper

91 100

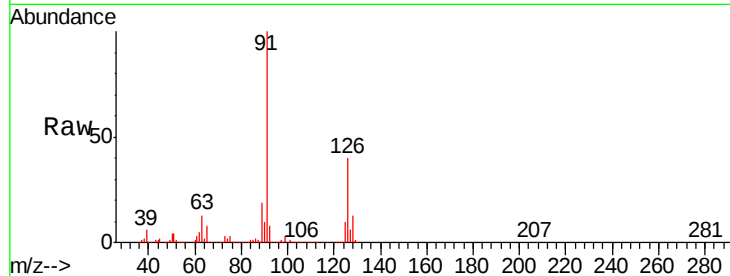
126 40.3 19.6 58.7

Manual Integrations

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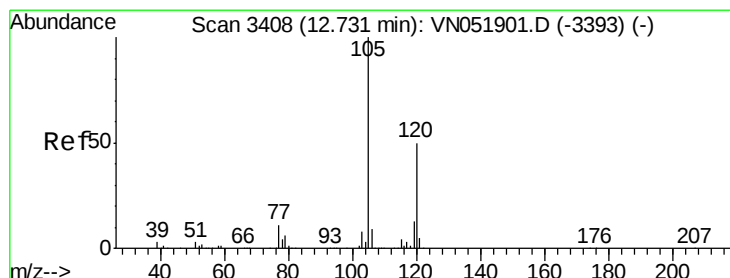
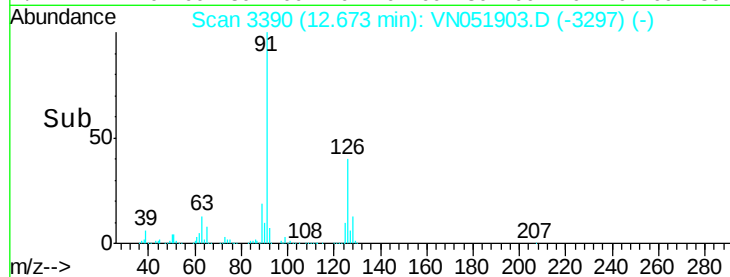
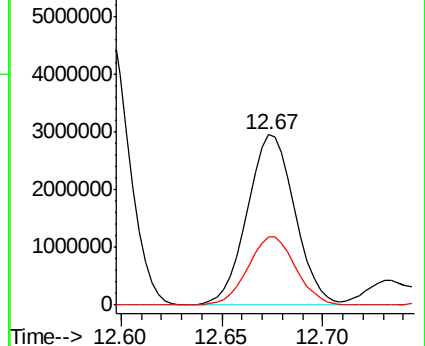
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Abundance Ion 91.00 (90.70 to 91.70): VN051901.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051901.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 131.33 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051903.D

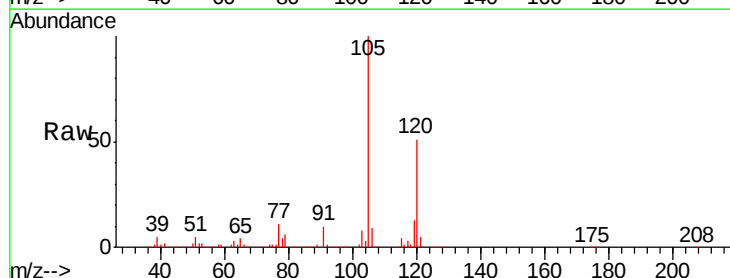
Acq: 17 Oct 2018 10:59

Tgt Ion: 105 Resp: 6586792

Ion Ratio Lower Upper

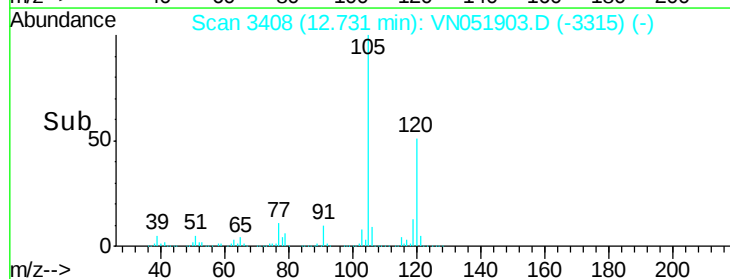
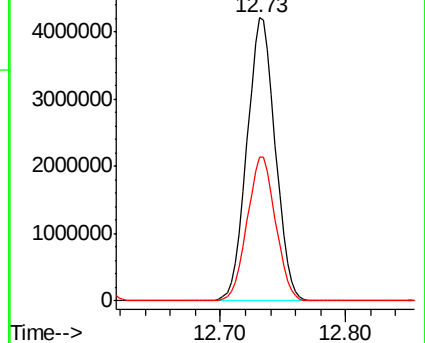
105 100

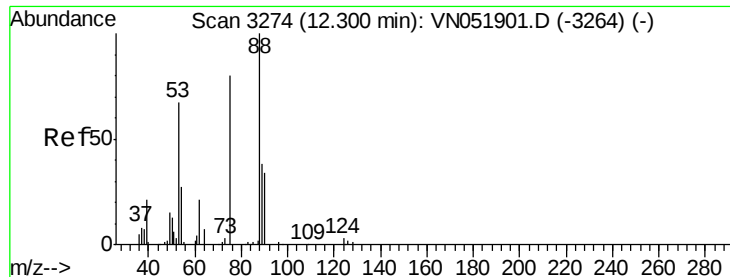
120 51.2 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VN051901.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051901.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 163.65 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

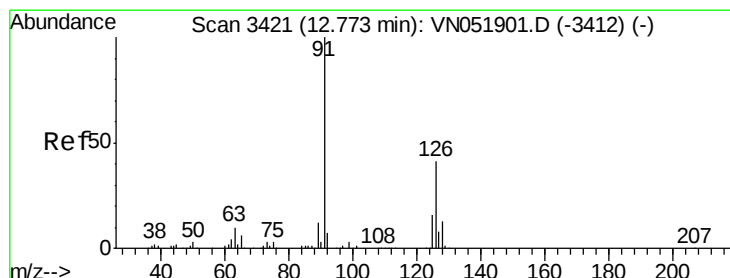
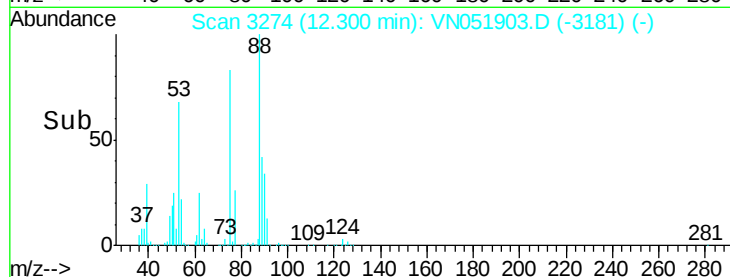
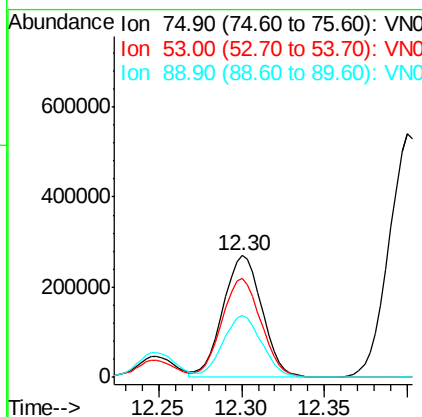
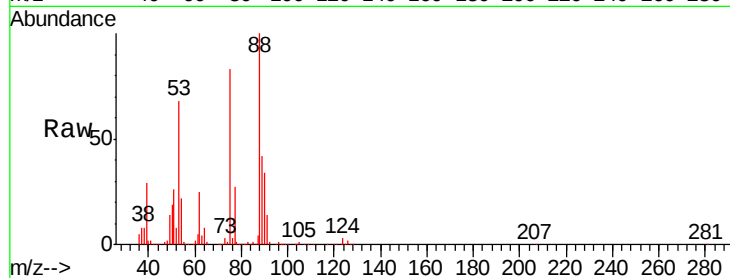
ClientSampleId :

VSTDIC150

Tgt Ion:	75	Resp:	440554
Ion	Ratio	Lower	Upper
75	100		
53	82.7	68.5	102.7
89	50.7	39.0	58.6

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#82

4-Chlorotoluene

Concen: 134.26 ug/l

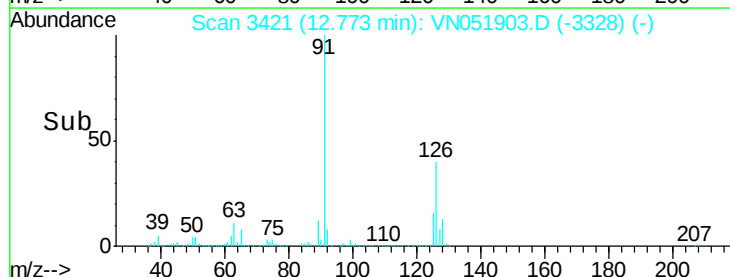
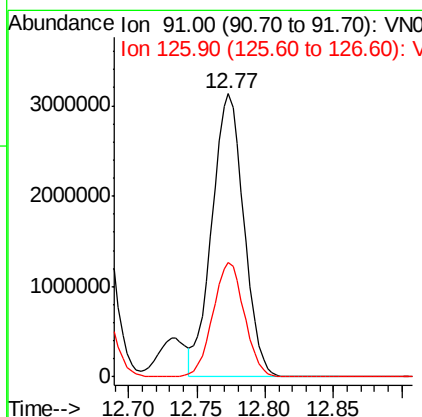
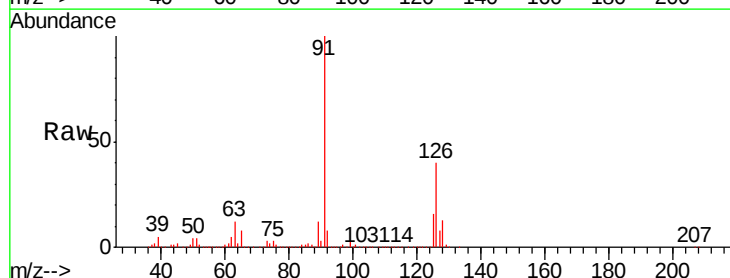
RT: 12.77 min Scan# 3421

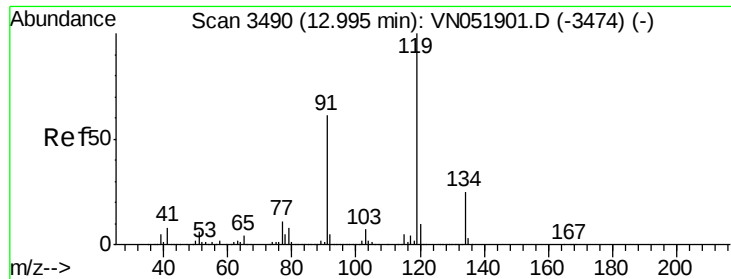
Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Tgt Ion:	91	Resp:	5067687
Ion	Ratio	Lower	Upper
91	100		
126	40.1	18.9	56.7





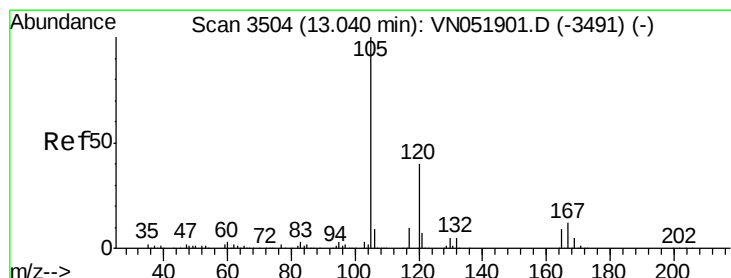
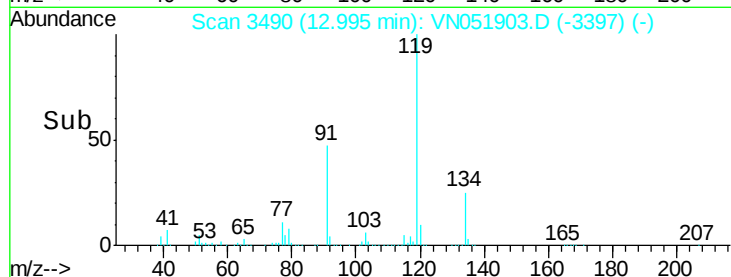
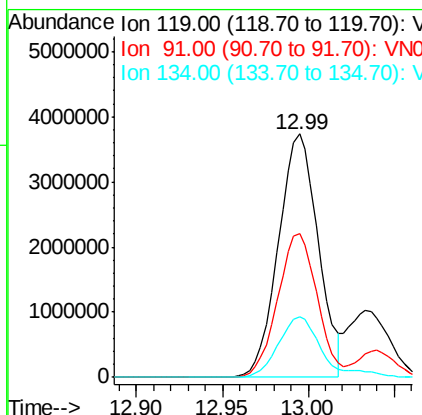
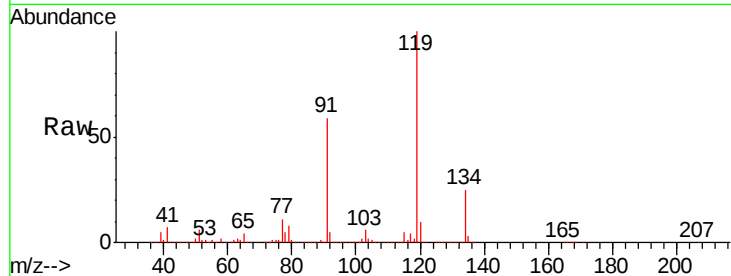
#83
 tert-Butylbenzene
 Concen: 127.45 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 6007185
 Ion Ratio Lower Upper
 119 100
 91 58.5 30.3 90.9
 134 27.2 13.4 40.1

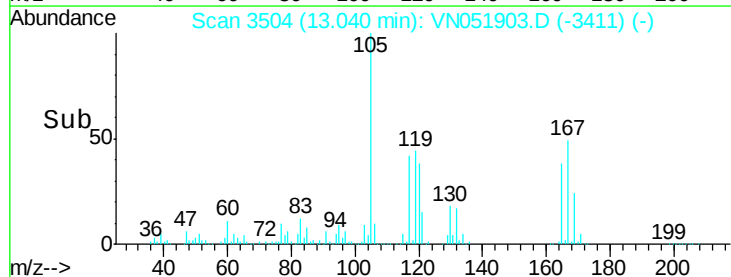
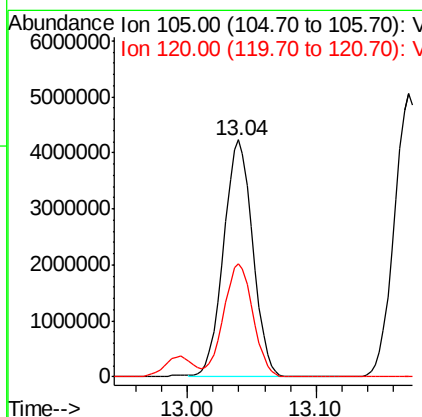
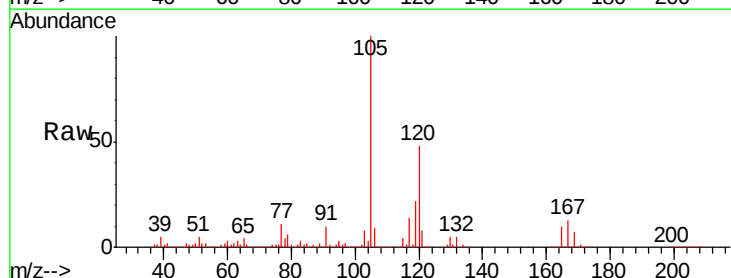
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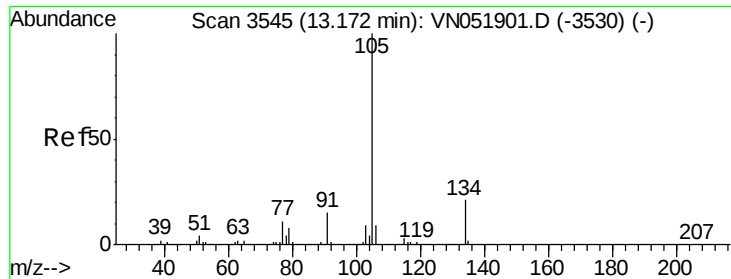
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#84
 1,2,4-Trimethylbenzene
 Concen: 134.50 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Tgt Ion:105 Resp: 6632824
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.4





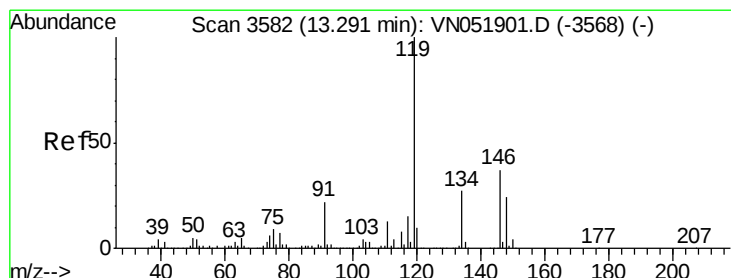
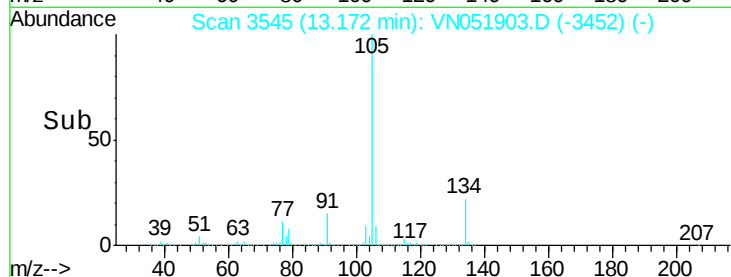
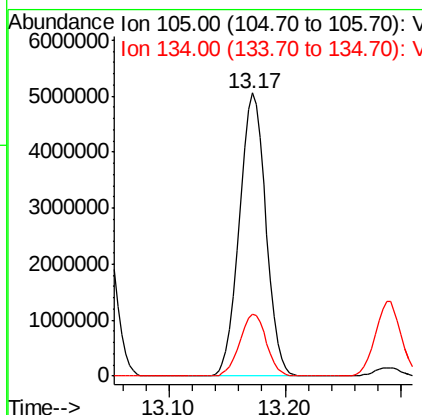
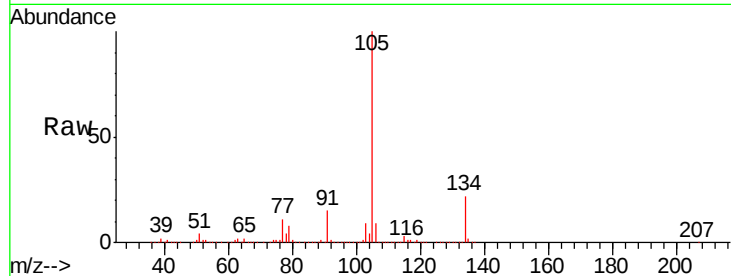
#85
 sec-Butylbenzene
 Concen: 133.02 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 7970064
 Ion Ratio Lower Upper
 105 100
 134 22.0 10.8 32.3

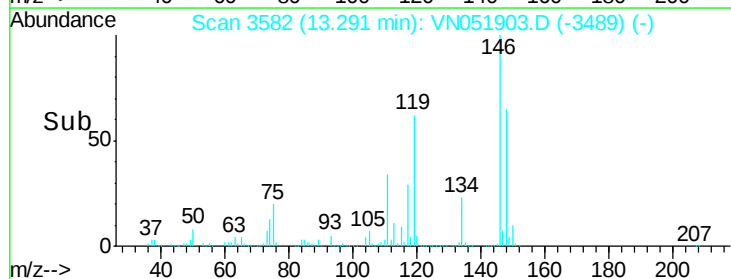
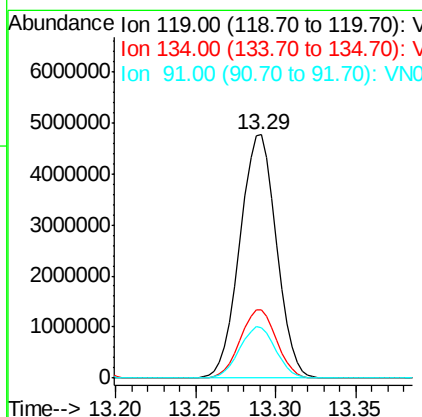
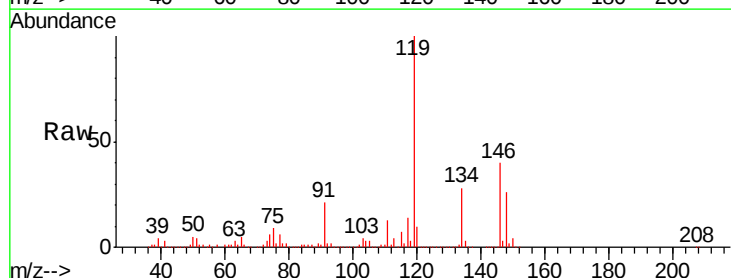
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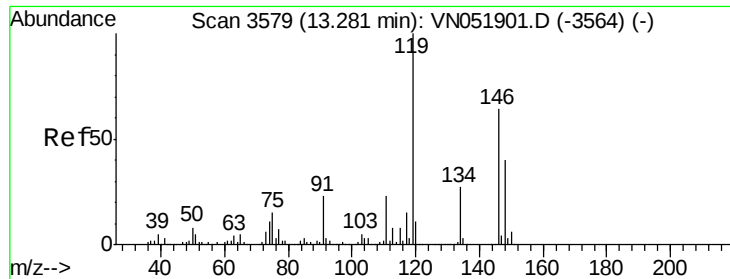
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#86
 p-Isopropyltoluene
 Concen: 142.57 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Tgt Ion:119 Resp: 7404020
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.8 41.3
 91 20.9 10.9 32.9





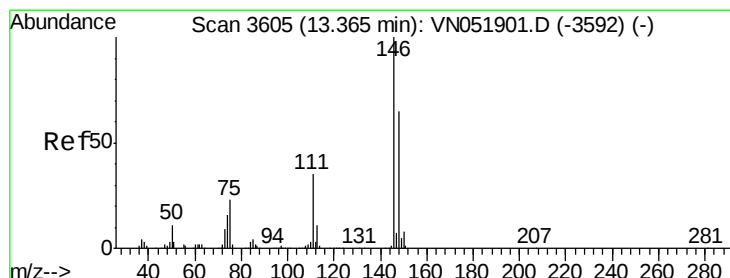
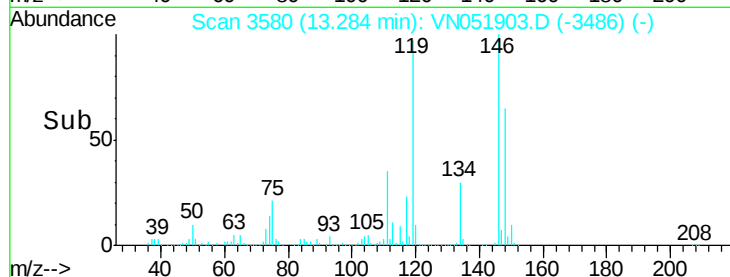
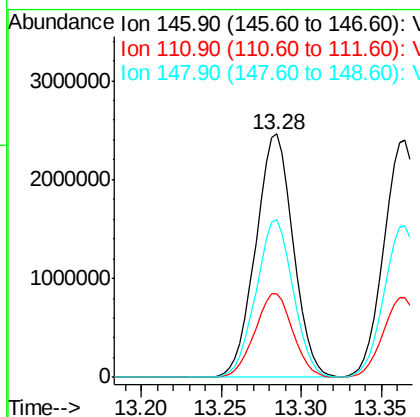
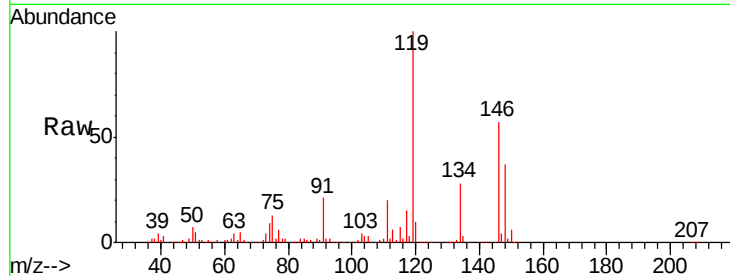
#87
 1,3-Dichlorobenzene
 Concen: 149.20 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 3970613
 Ion Ratio Lower Upper
 146 100
 111 34.9 18.3 54.8
 148 64.3 31.9 95.7

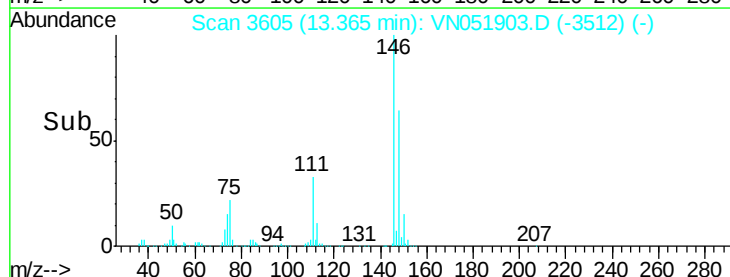
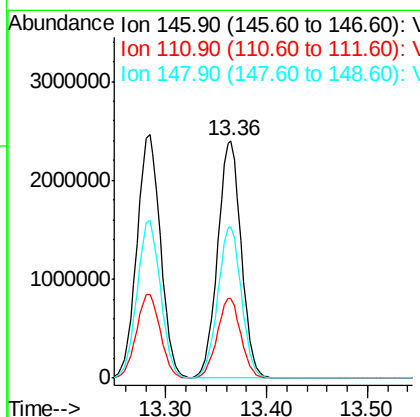
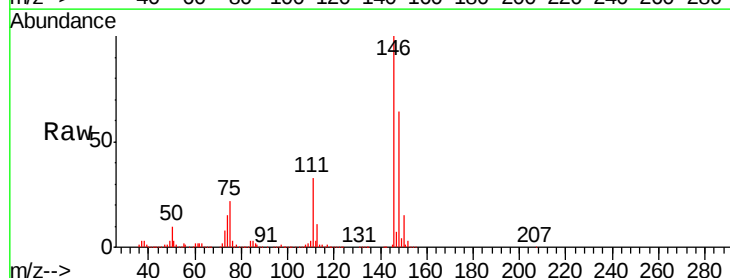
Manual Integrations
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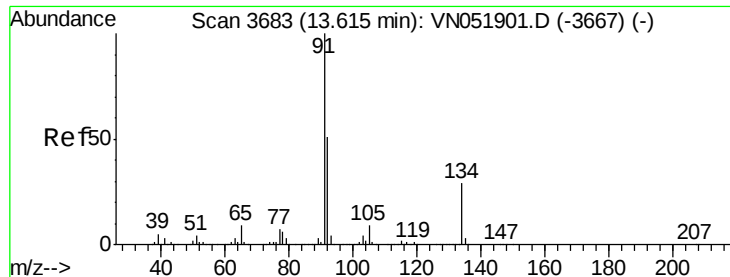
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#88
 1,4-Dichlorobenzene
 Concen: 149.06 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Tgt Ion:146 Resp: 3898757
 Ion Ratio Lower Upper
 146 100
 111 33.6 17.9 53.7
 148 63.8 32.8 98.3





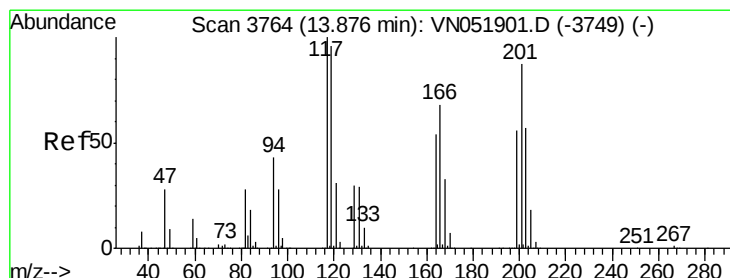
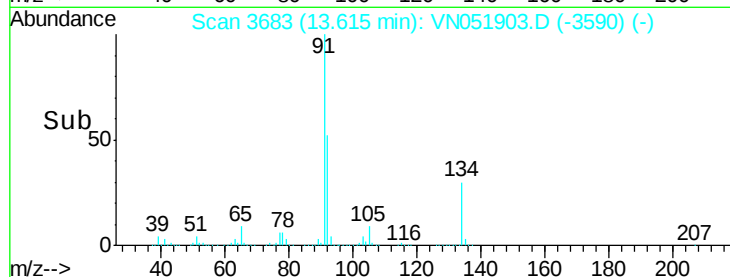
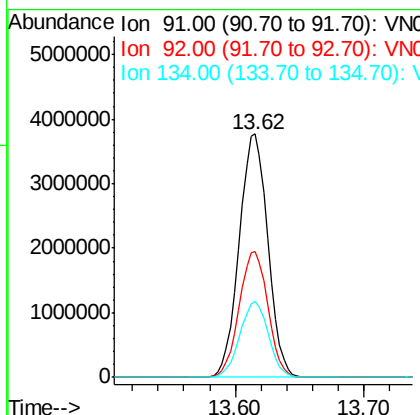
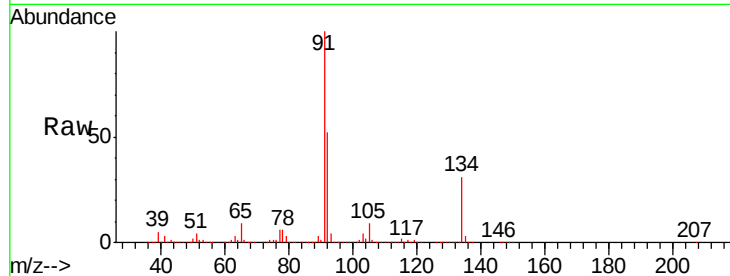
#89
n-Butylbenzene
Concen: 154.30 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 5812741
Ion Ratio Lower Upper
91 100
92 51.9 25.9 77.7
134 31.0 14.6 43.8

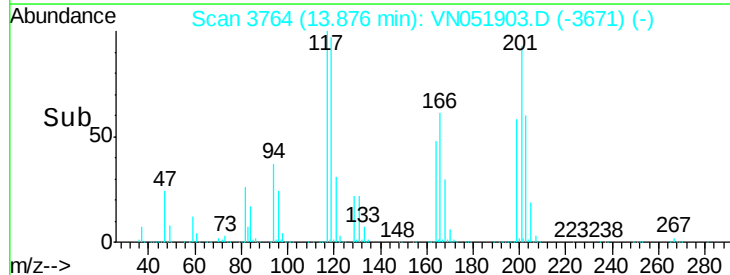
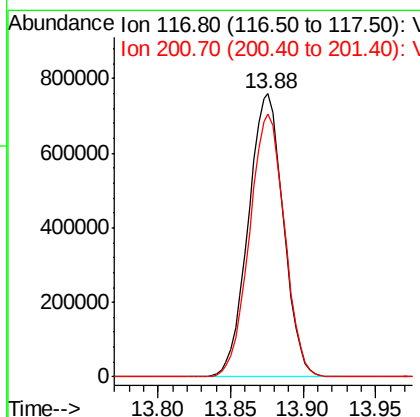
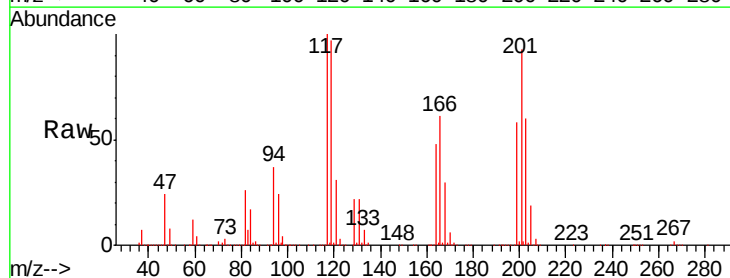
Manual Integrations
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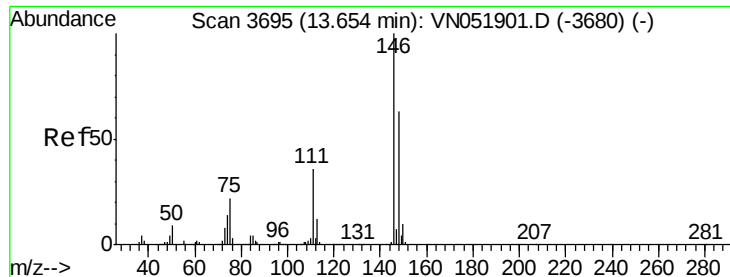
MMDadoda
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#90
Hexachloroethane
Concen: 147.45 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN051903.D
Acq: 17 Oct 2018 10:59

Tgt Ion: 117 Resp: 1280696
Ion Ratio Lower Upper
117 100
201 92.7 43.8 131.3





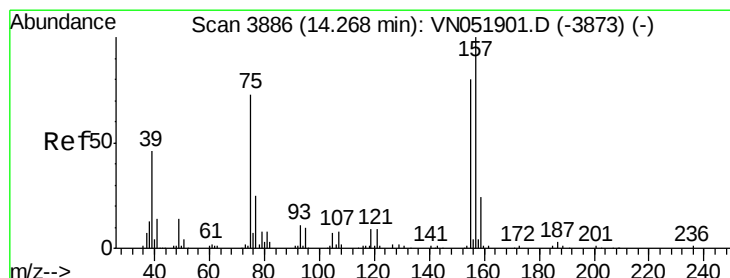
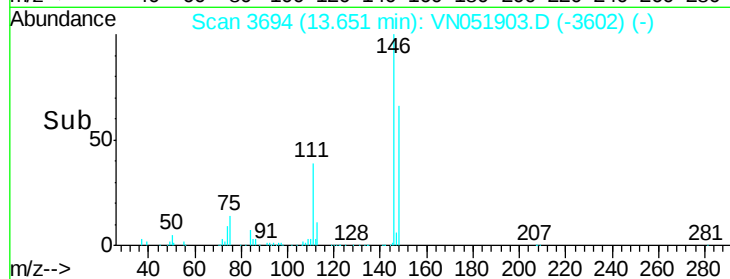
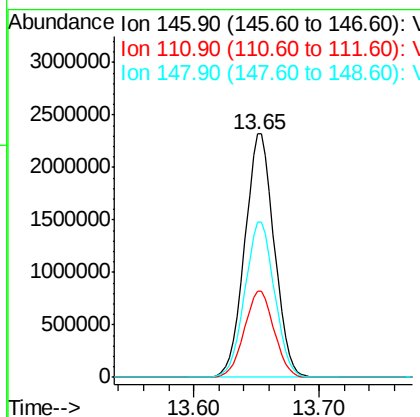
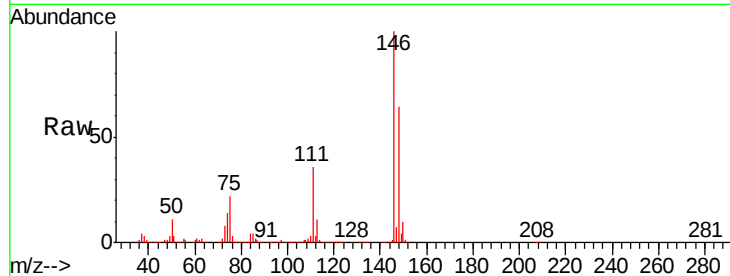
#91
 1,2-Dichlorobenzene
 Concen: 146.99 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.6	55.6
148	64.2	32.0	96.2

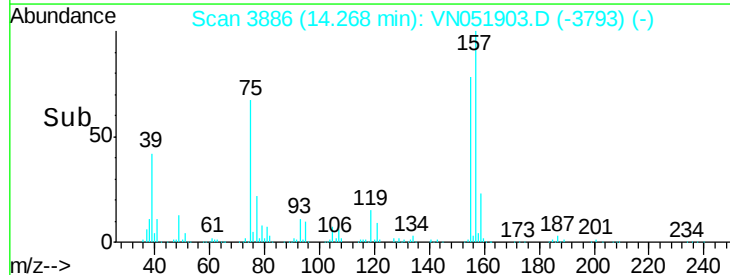
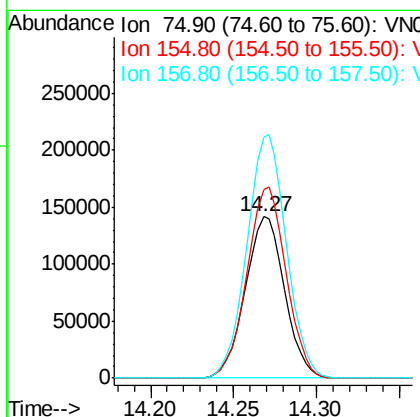
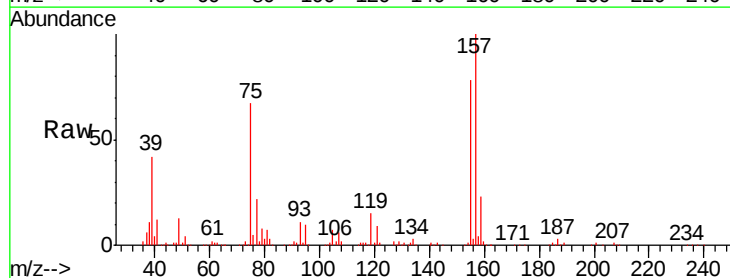
Manual Integrations
 APPROVED

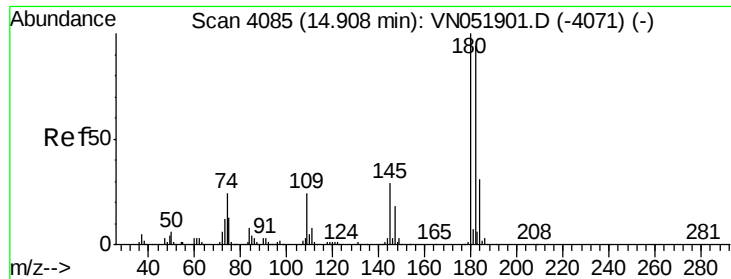
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 138.97 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	118.5	53.4	160.2
157	151.7	69.3	207.9





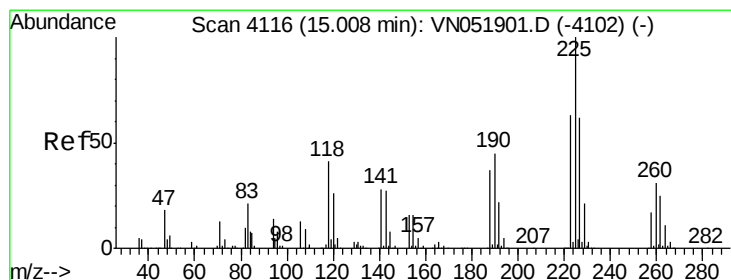
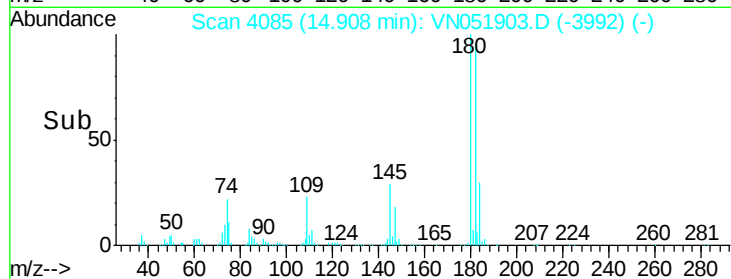
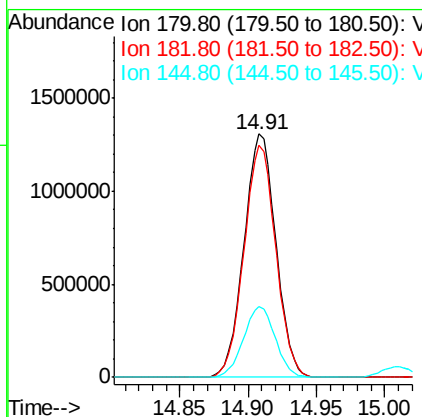
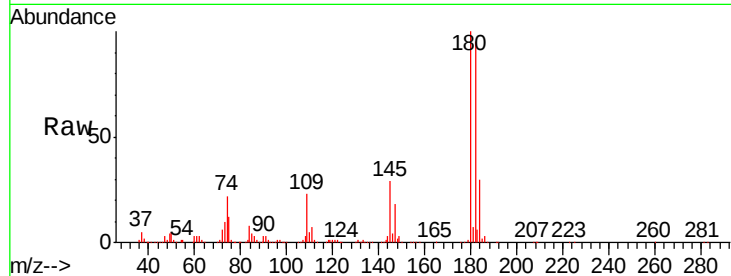
#93
 1,2,4-Trichlorobenzene
 Concen: 189.69 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.9
145	29.2	14.5	43.5

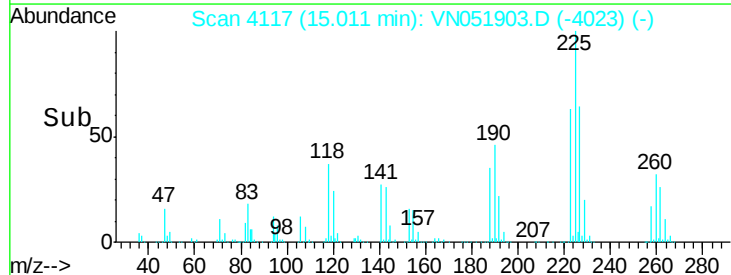
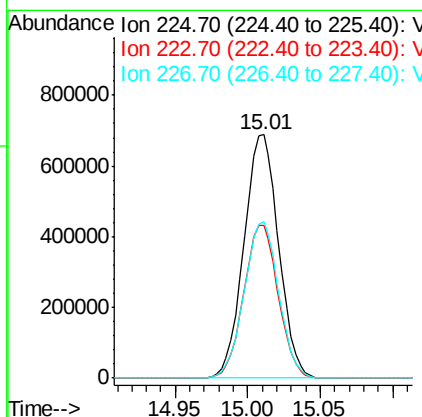
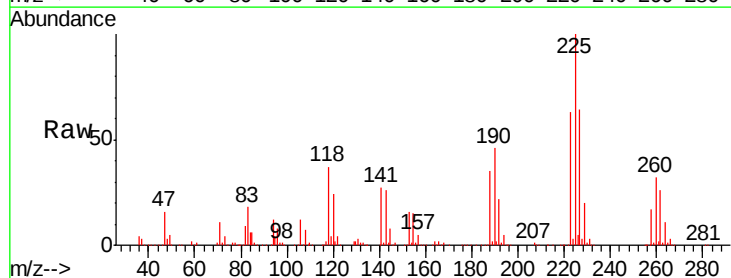
Manual Integrations
 APPROVED

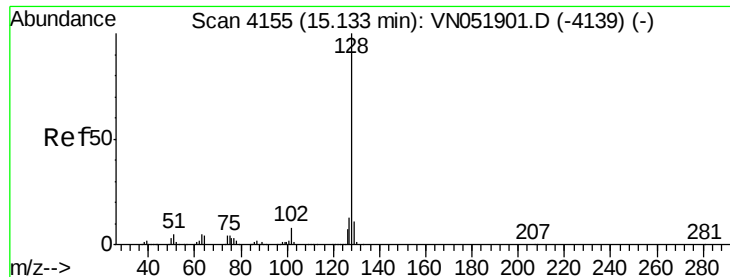
MMDadoda
 10/19/2018 3:29:31 PM



#94
 Hexachlorobutadiene
 Concen: 140.35 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051903.D
 Acq: 17 Oct 2018 10:59

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.0	96.2
227	63.7	31.9	95.9





#95

Naphthalene

Concen: 190.99 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 4242392

Ion Ratio Lower Upper

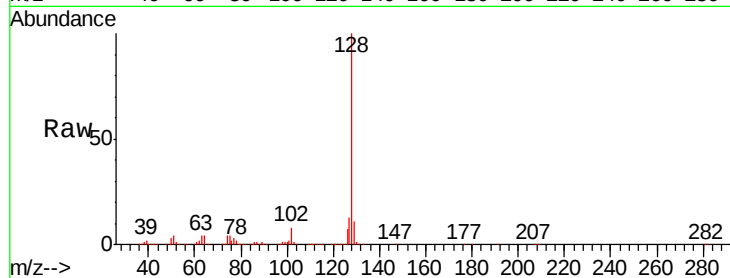
128 100

127 12.8 10.2 15.2

129 10.9 8.5 12.7

Manual Integrations
APPROVED

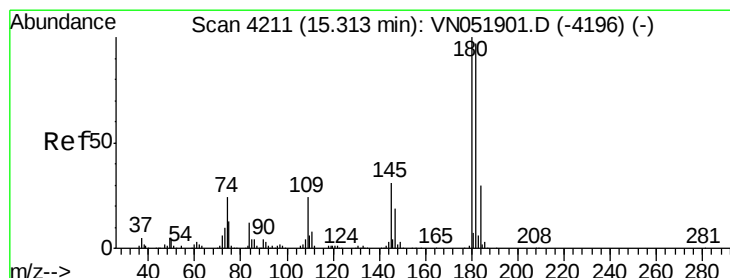
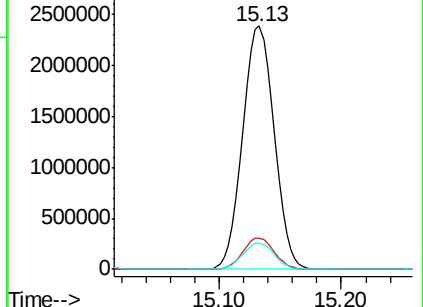
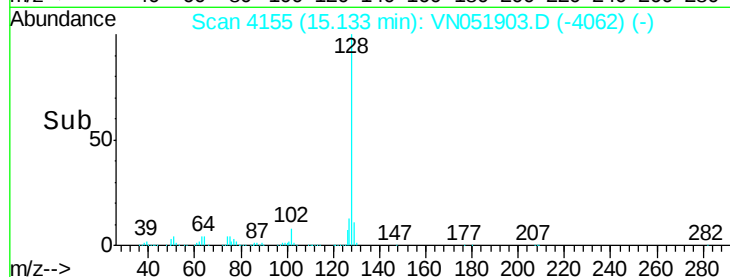
MMDadoda
10/19/2018 3:29:31 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 179.02 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051903.D

Acq: 17 Oct 2018 10:59

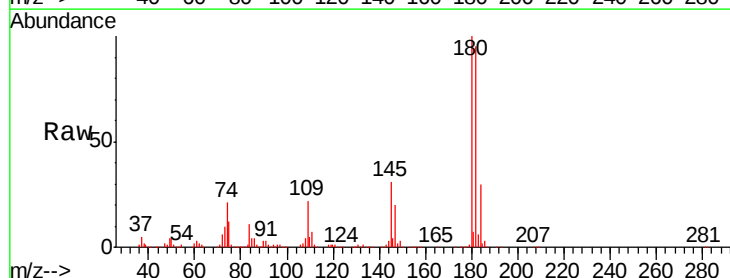
Tgt Ion:180 Resp: 1981267

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.8

145 30.5 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

