

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051830.D
 Acq On : 12 Oct 2018 14:12
 Operator : MD\SY
 Sample : VN1012WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Quant Time: Oct 12 16:08:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	133694	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	762421	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	670350	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	258772	31.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.03%
60) 4-Bromofluorobenzene	12.40	95	286248	29.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.70%
63) Toluene-d8	10.09	98	907353	31.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	94336	18.16	ug/l	99
3) Chloromethane	2.06	50	110305	20.09	ug/l	98
4) Vinyl Chloride	2.18	62	167508	20.43	ug/l	99
5) Bromomethane	2.57	94	145143	20.04	ug/l	84
6) Chloroethane	2.70	64	124187	21.02	ug/l	98
7) Trichlorofluoromethane	3.01	101	242272	20.73	ug/l	97
8) Diethyl Ether	3.41	74	69512	20.43	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137147	20.61	ug/l #	42
10) 1,1-Dichloroethene	3.74	96	122604	19.92	ug/l	88
11) Methyl Iodide	3.95	142	167342	18.70	ug/l	95
12) Methyl Acetate	4.33	43	79081	20.69	ug/l	96
13) Acrolein	3.61	56	22283	88.48	ug/l	87
14) Acrylonitrile	4.99	53	168919	98.88	ug/l #	58
15) Acetone	3.82	58	39484	93.50	ug/l	97
16) Carbon Disulfide	4.05	76	307631	19.03	ug/l	99
17) Allyl chloride	4.33	41	144855	19.82	ug/l	77
18) Methylene Chloride	4.55	84	137352	19.96	ug/l	89
19) trans-1,2-Dichloroethene	5.05	96	139870	19.90	ug/l	84
20) Diisopropyl ether	5.95	45	328102	20.16	ug/l #	86
21) 1,1-Dichloroethane	5.85	63	229467	20.18	ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	163827	19.84	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	43963	97.71	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	362087	20.42	ug/l #	64
25) Chloroform	7.37	83	273247	20.25	ug/l	96
26) Cyclohexane	7.65	56	193513	20.07	ug/l #	73
29) 1,1-Dichloropropene	7.79	75	192950	19.63	ug/l	93
30) 2-Butanone	6.84	43	191105	93.04	ug/l #	86
31) 2,2-Dichloropropane	6.82	77	202780	17.54	ug/l #	79
32) 1,1,1-Trichloroethane	7.57	97	252157	19.35	ug/l	95
33) Carbon Tetrachloride	7.77	117	227624	19.31	ug/l	92
34) Benzene	8.04	78	573610	19.73	ug/l #	67
35) Methacrylonitrile	7.18	41	41251	15.29	ug/l	81
36) 1,2-Dichloroethane	8.12	62	182738	19.62	ug/l	97
37) Trichloroethene	8.83	130	174799	19.37	ug/l	97
38) Methylcyclohexane	9.08	83	243517	19.32	ug/l	80
39) 1,2-Dichloropropane	9.12	63	132832	19.40	ug/l	94
40) Dibromomethane	9.21	93	98459	19.38	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051830.D
 Acq On : 12 Oct 2018 14:12
 Operator : MD\SY
 Sample : VN1012WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Quant Time: Oct 12 16:08:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

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

41) Bromodichloromethane	9.40	83	201427	19.19	ug/l	93
42) Vinyl Acetate	5.90	43	1132939	97.98	ug/l #	90
43) Ethyl Acetate	6.93	43	87721	19.67	ug/l #	66
44) Isopropyl Acetate	8.17	43	179327	20.13	ug/l	97
45) 1,4-Dioxane	9.20	88	27287	381.46	ug/l #	74
46) Methyl methacrylate	9.20	41	82604	20.10	ug/l	75
47) n-amyl Acetate	12.25	43	1836	0.25	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	187978	18.37	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	214831	19.04	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	136864	19.50	ug/l	94
51) Ethyl methacrylate	10.43	69	157319	19.57	ug/l	84
52) 1,3-Dichloropropane	10.71	76	211682	19.54	ug/l	99
53) Dibromochloromethane	10.90	129	154873	17.83	ug/l	98
54) 1,2-Dibromoethane	11.01	107	140861	19.12	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	337413	98.20	ug/l #	93
56) Bromoform	12.13	173	97365	17.00	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	474901	105.86	ug/l #	89
59) 2-Hexanone	10.75	43	296337	97.92	ug/l #	91
61) Tetrachloroethene	10.63	164	177761	20.74	ug/l	97
62) Toluene	10.16	91	676841	20.32	ug/l	99
64) Chlorobenzene	11.43	112	433511	19.88	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	164290	19.63	ug/l	99
66) Ethyl Benzene	11.51	91	736405	20.01	ug/l	99
67) m/p-Xylenes	11.62	106	581943	39.00	ug/l	99
68) o-Xylene	11.95	106	293370	19.94	ug/l	90
69) Styrene	11.96	104	430108	19.06	ug/l	97
70) Isopropylbenzene	12.25	105	771102	19.66	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	157023	20.27	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	181568	29.79	ug/l	73
73) Bromobenzene	12.53	156	186153	19.16	ug/l	83
74) n-propylbenzene	12.59	91	831731	19.71	ug/l	96
75) 2-Chlorotoluene	12.67	91	495528	20.03	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	647491	19.96	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	32199	15.98	ug/l	97
78) 4-Chlorotoluene	12.77	91	472205	19.43	ug/l	93
79) tert-butylbenzene	12.99	119	593621	19.90	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	635507	19.60	ug/l	97
81) sec-Butylbenzene	13.17	105	767366	19.66	ug/l	98
82) p-Isopropyltoluene	13.29	119	677181	19.39	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	316455	18.46	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	296920	18.40	ug/l	98
85) n-Butylbenzene	13.62	91	499700	18.98	ug/l	96
86) Hexachloroethane	13.88	117	110768	18.40	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	313269	18.87	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22546	19.49	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.91	180	121051	18.78	ug/l	99
90) Hexachlorobutadiene	15.01	225	102458	19.15	ug/l	98
91) Naphthalene	15.13	128	235278	18.90	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	130361	17.26	ug/l	93

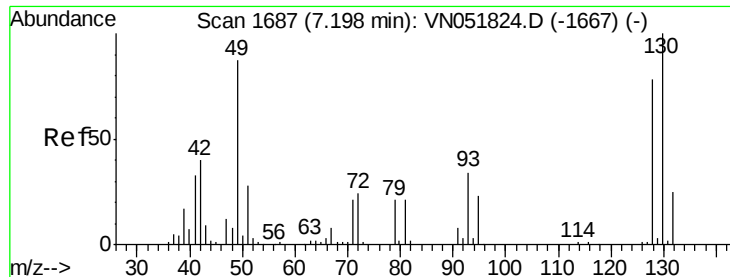
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
Data File : VN051830.D
Acq On : 12 Oct 2018 14:12
Operator : MD\SY
Sample : VN1012WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Quant Time: Oct 12 16:08:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration

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

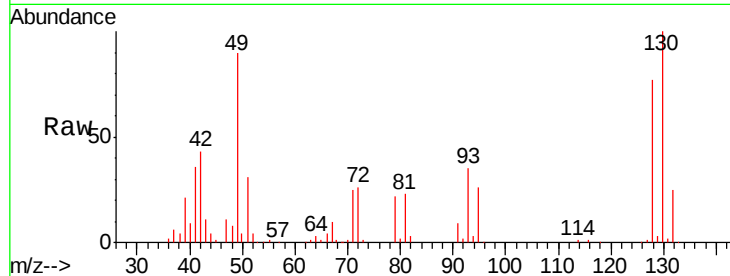
(#) = qualifier out of range (m) = manual integration (+) = signals summed



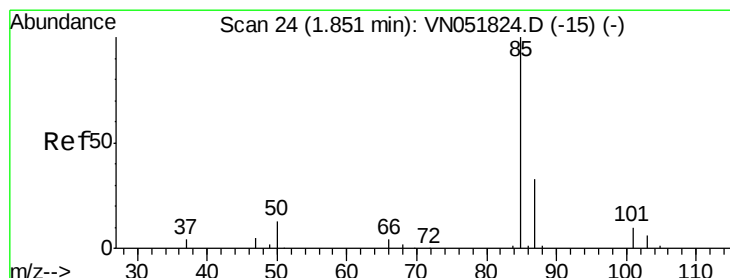
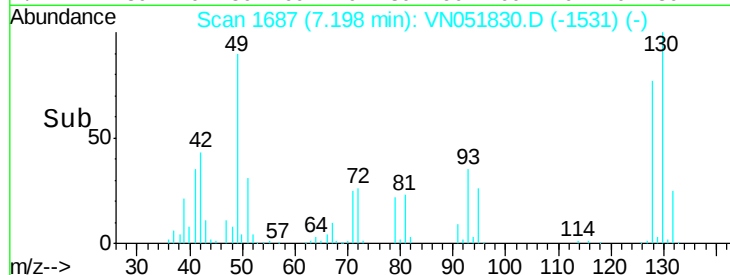
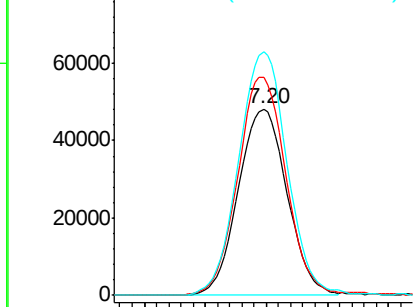
#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion: 128 Resp: 133694
 Ion Ratio Lower Upper
 128 100
 49 115.6 0.0 403.3
 130 129.1 0.0 326.0

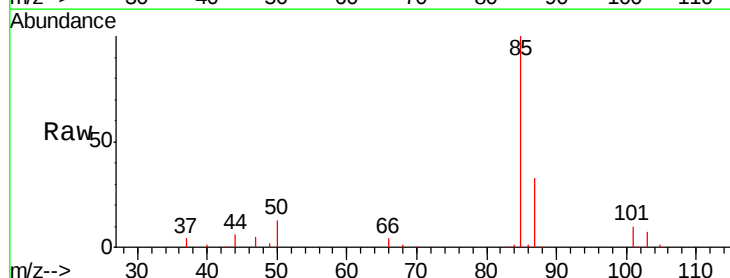


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VNO
 Ion 130.00 (129.70 to 130.70): V

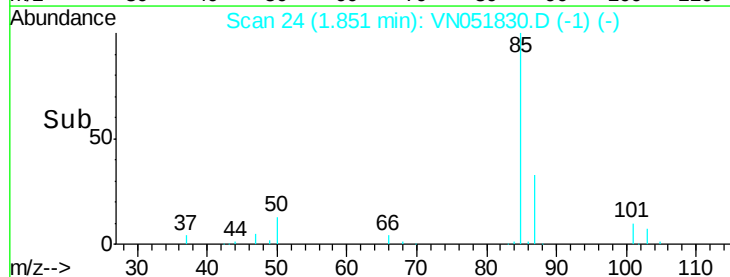
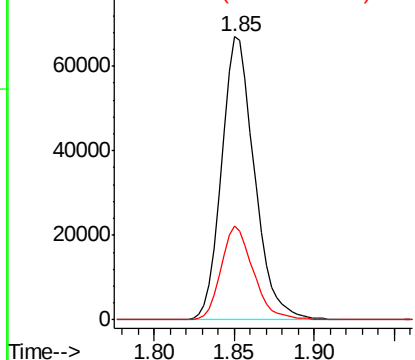


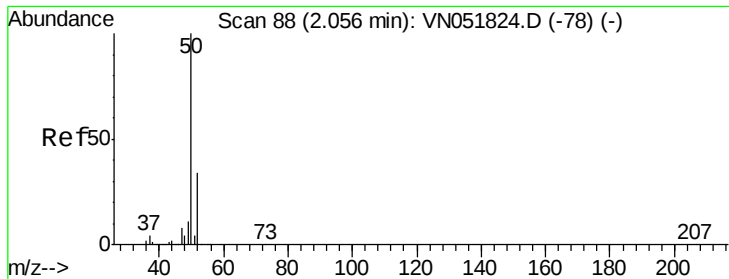
#2
 Dichlorodifluoromethane
 Concen: 18.16 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 85 Resp: 94336
 Ion Ratio Lower Upper
 85 100
 87 33.0 16.3 48.8



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





#3

Chloromethane

Concen: 20.09 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

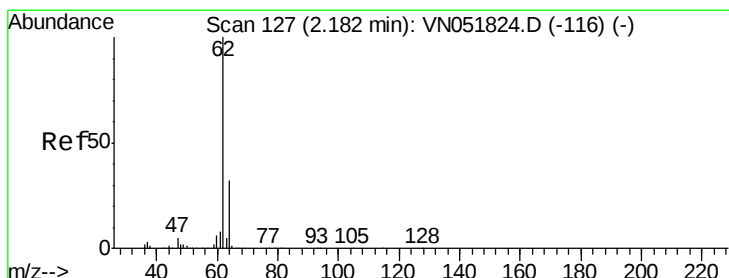
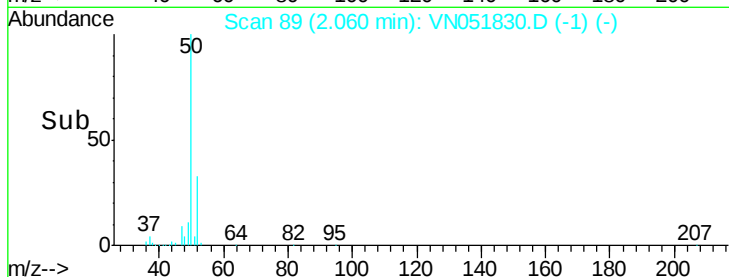
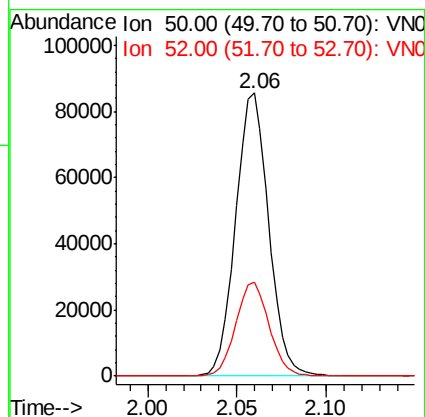
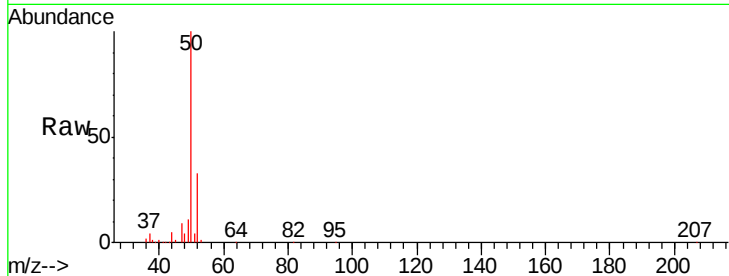
VN1012WBS01

Tgt Ion: 50 Resp: 110305

Ion Ratio Lower Upper

50 100

52 33.0 27.2 40.8



#4

Vinyl Chloride

Concen: 20.43 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051830.D

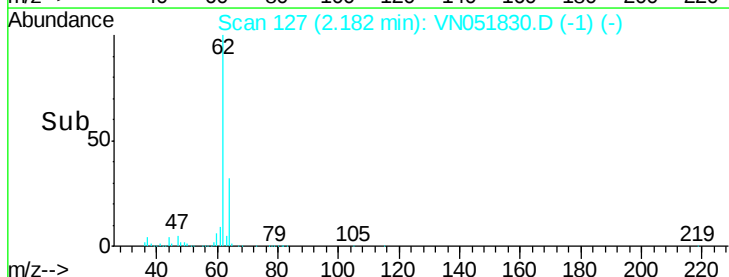
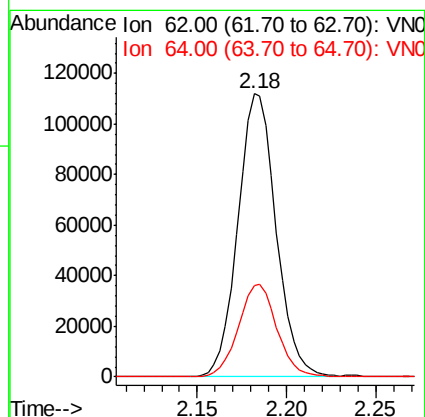
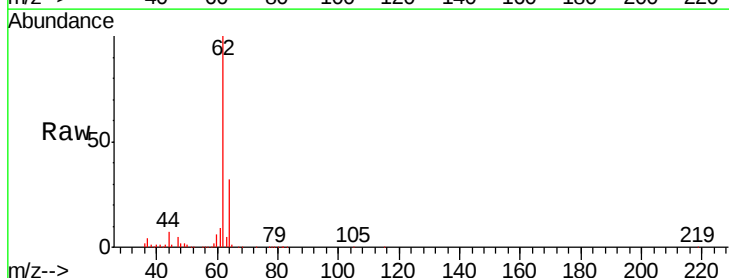
Acq: 12 Oct 2018 14:12

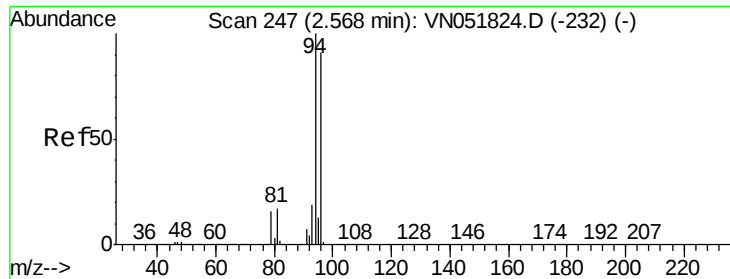
Tgt Ion: 62 Resp: 167508

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 20.04 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

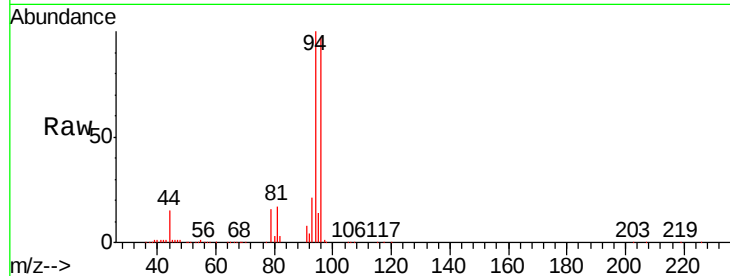
VN1012WBS01

Tgt Ion: 94 Resp: 145143

Ion Ratio Lower Upper

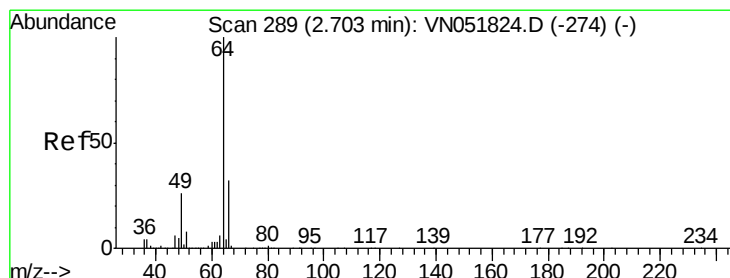
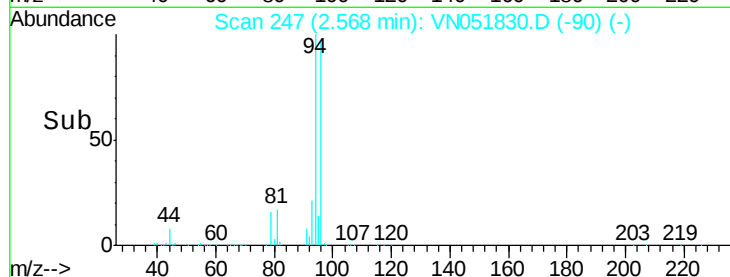
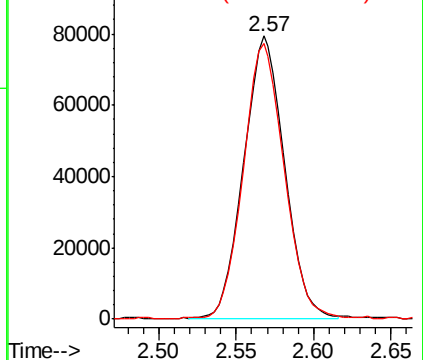
94 100

96 97.1 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.02 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051830.D

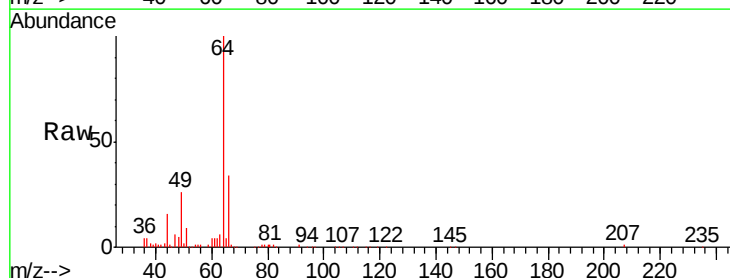
Acq: 12 Oct 2018 14:12

Tgt Ion: 64 Resp: 124187

Ion Ratio Lower Upper

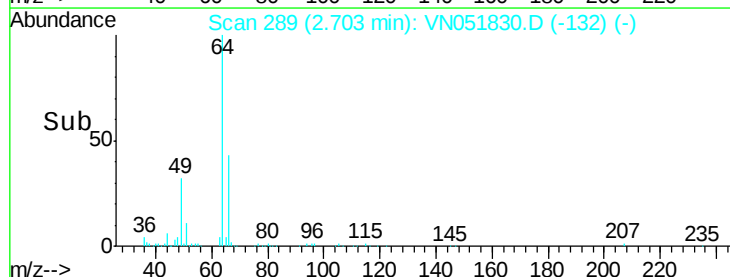
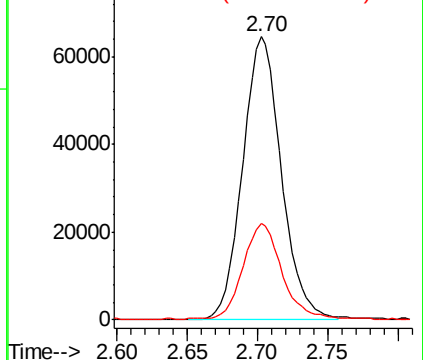
64 100

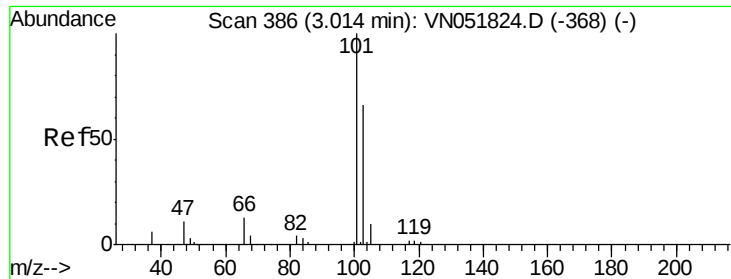
66 33.4 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



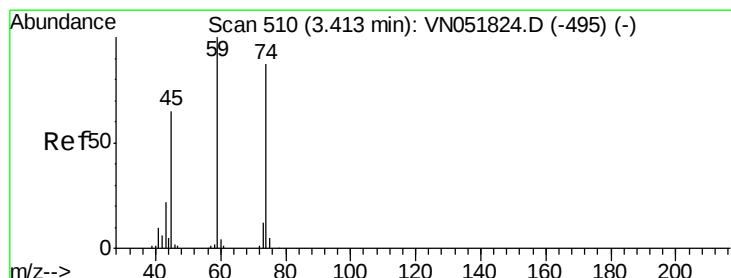
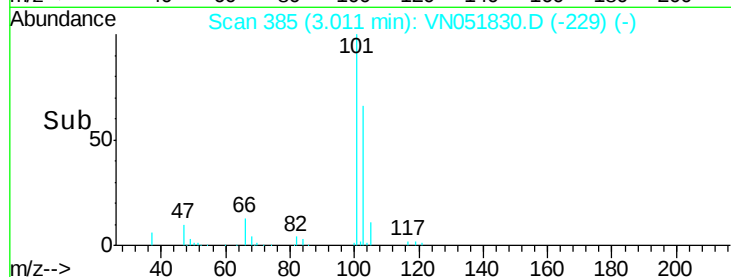
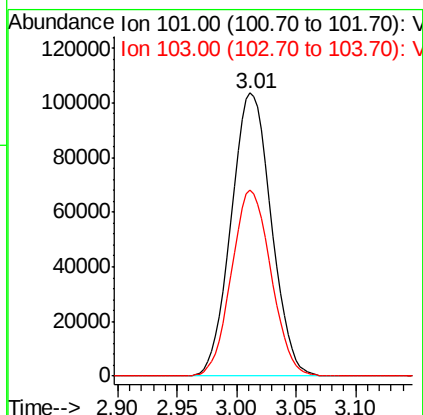
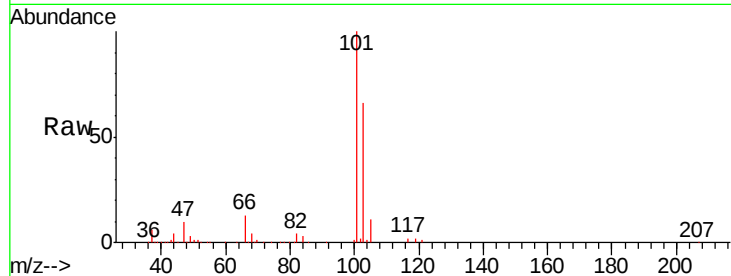


#7

Trichlorofluoromethane
 Concen: 20.73 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

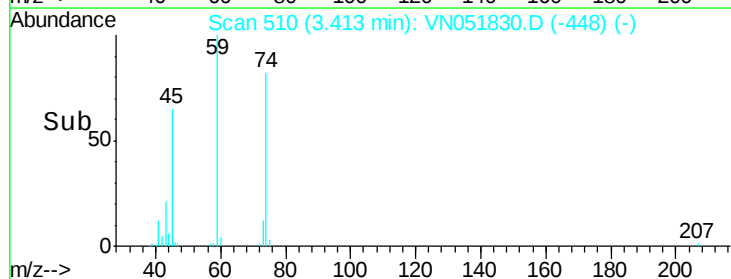
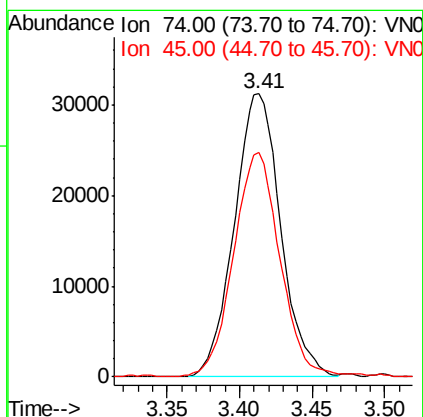
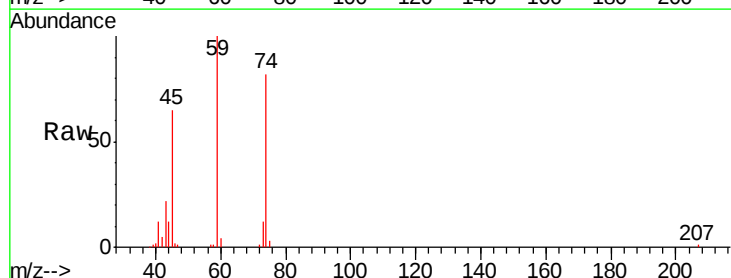
Tgt Ion:101 Resp: 242272
 Ion Ratio Lower Upper
 101 100
 103 65.9 54.8 82.2

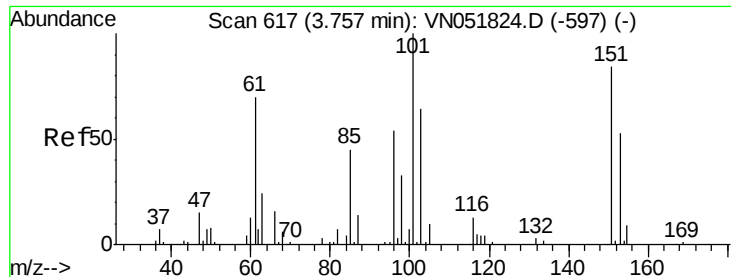


#8

Diethyl Ether
 Concen: 20.43 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 74 Resp: 69512
 Ion Ratio Lower Upper
 74 100
 45 79.1 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.61 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

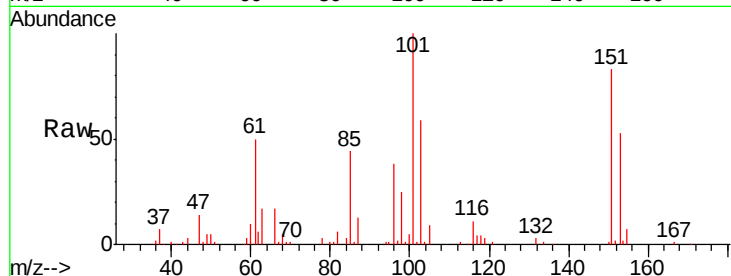
Tgt Ion: 101 Resp: 137147

Ion Ratio Lower Upper

101 100

85 43.7 0.0 46.0

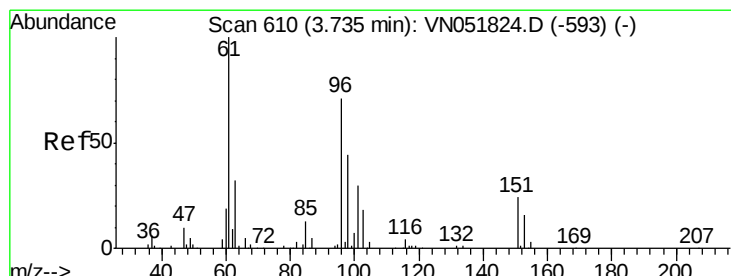
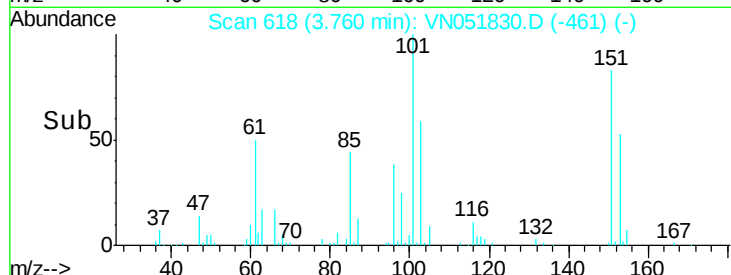
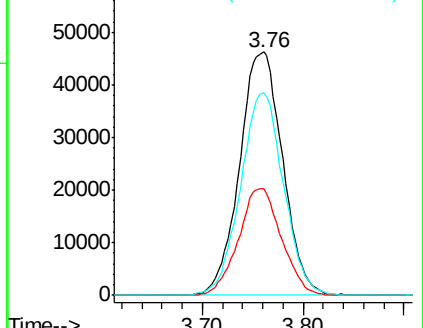
151 83.1 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.92 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

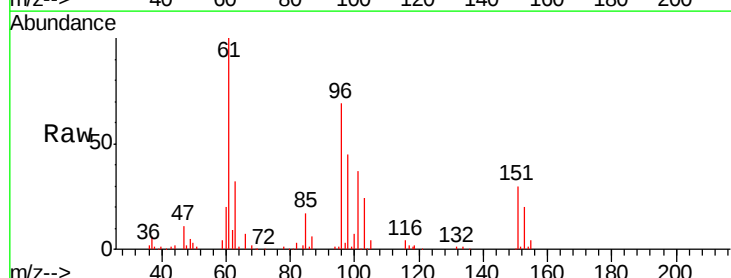
Tgt Ion: 96 Resp: 122604

Ion Ratio Lower Upper

96 100

61 144.1 133.0 199.6

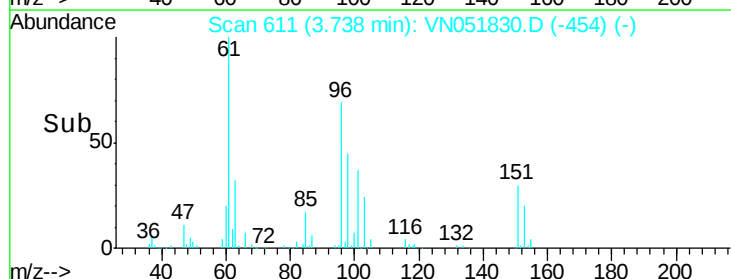
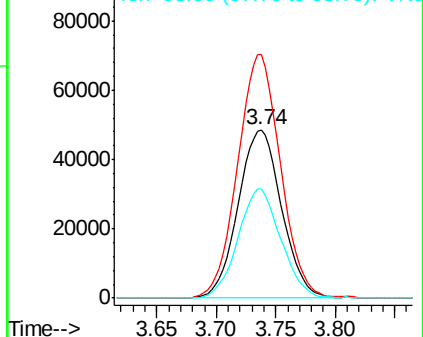
98 64.7 52.6 78.8

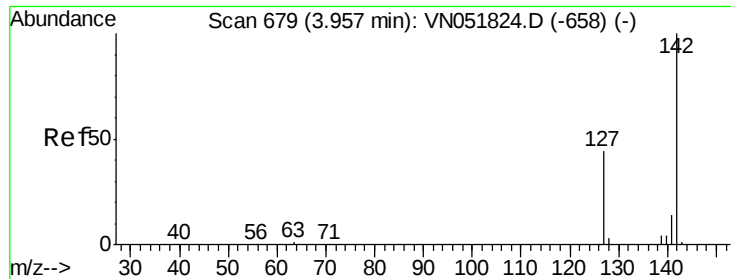


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

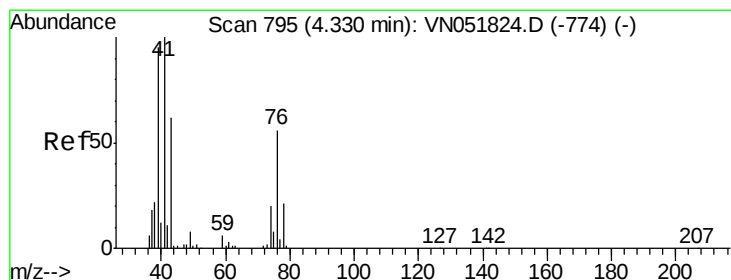
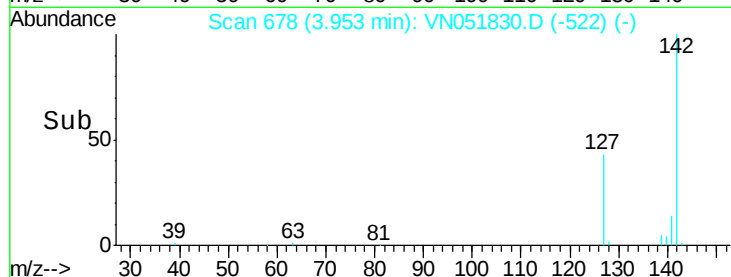
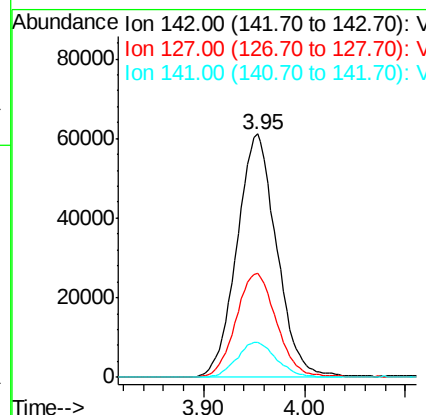
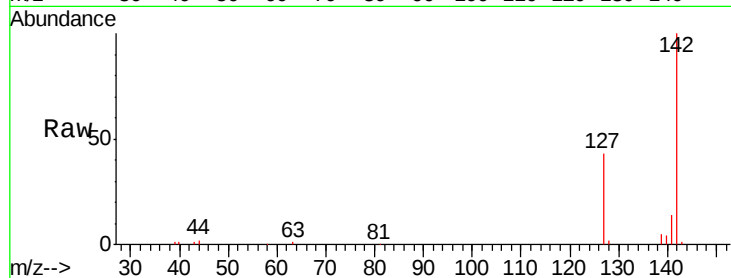




#11
Methyl Iodide
Concen: 18.70 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

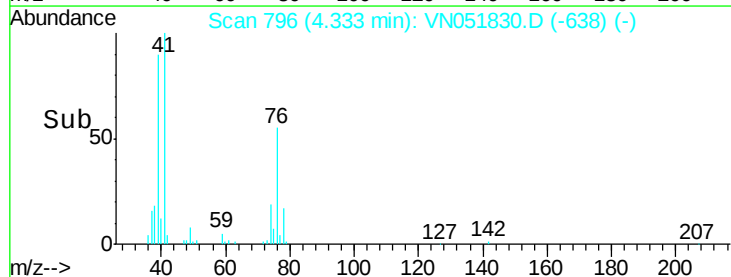
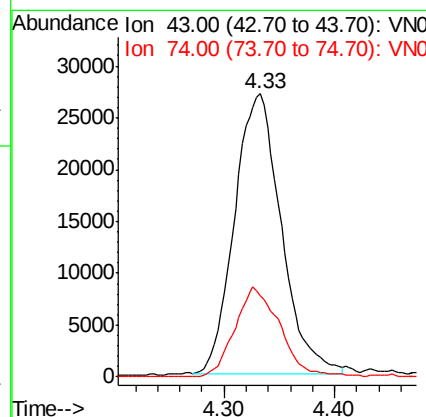
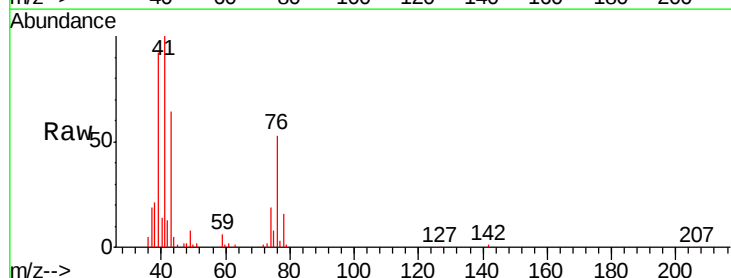
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

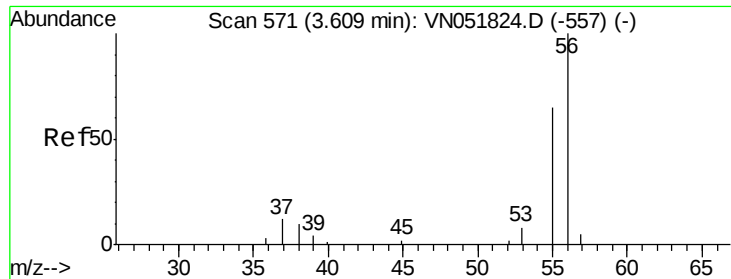
Tgt Ion:142 Resp: 167342
Ion Ratio Lower Upper
142 100
127 42.5 19.7 59.0
141 14.5 6.3 18.9



#12
Methyl Acetate
Concen: 20.69 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion: 43 Resp: 79081
Ion Ratio Lower Upper
43 100
74 29.2 21.8 32.6





#13

Acrolein

Concen: 88.48 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

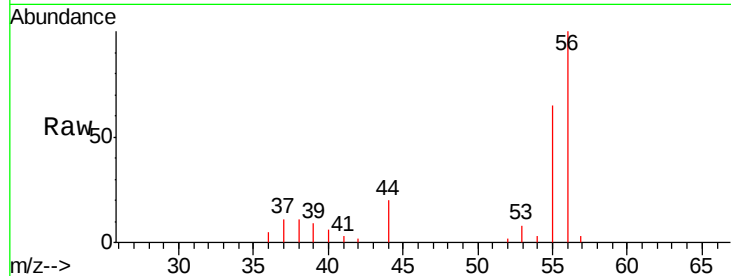
VN1012WBS01

Tgt Ion: 56 Resp: 22283

Ion Ratio Lower Upper

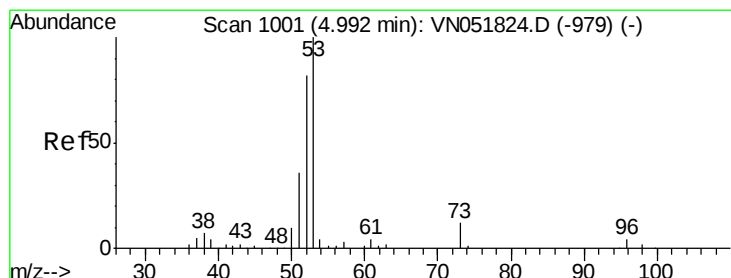
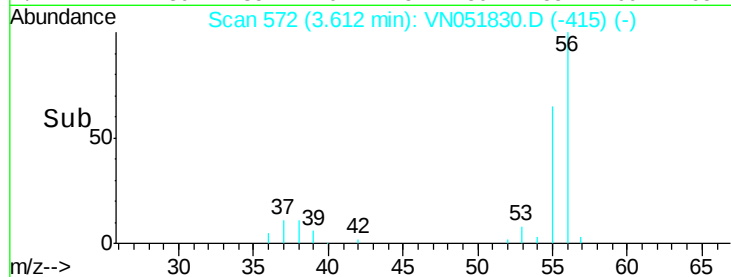
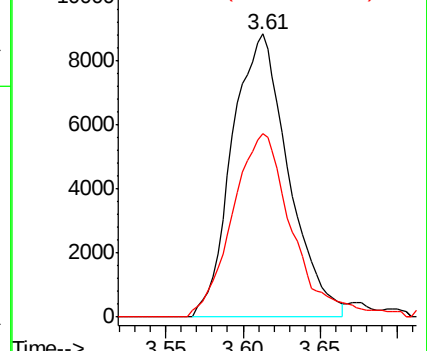
56 100

55 68.2 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 98.88 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

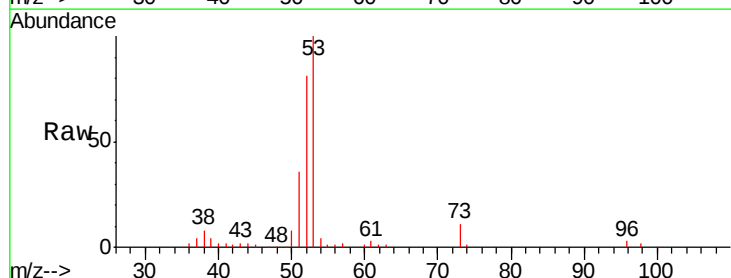
Tgt Ion: 53 Resp: 168919

Ion Ratio Lower Upper

53 100

52 85.4 18.3 54.8#

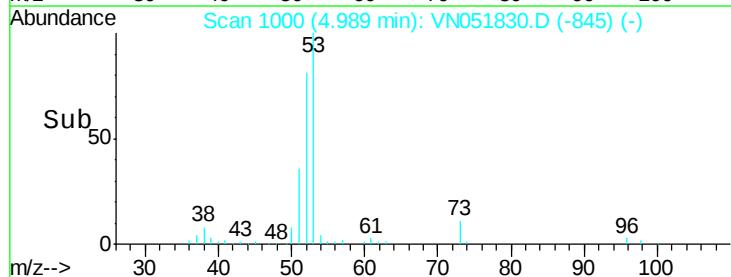
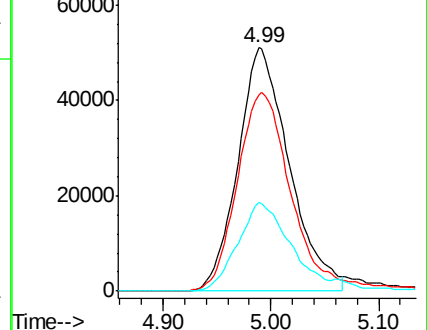
51 37.0 19.7 59.1

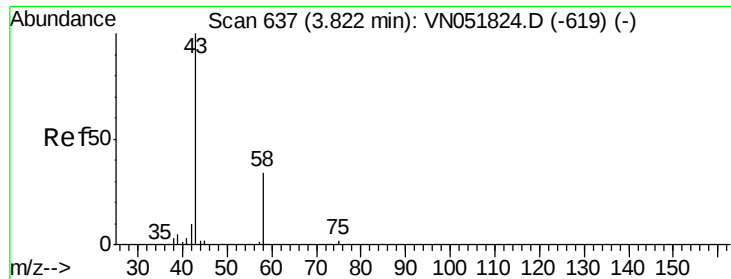


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 93.50 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampled :

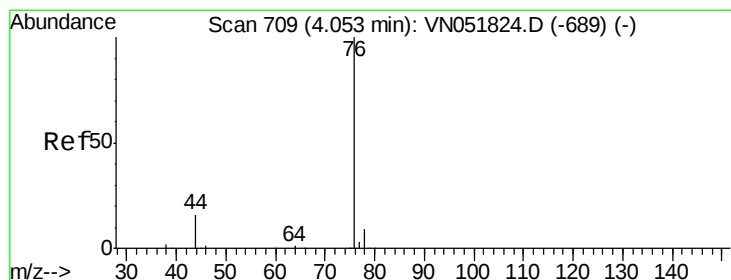
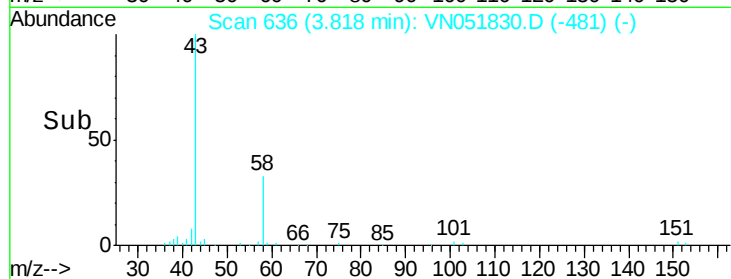
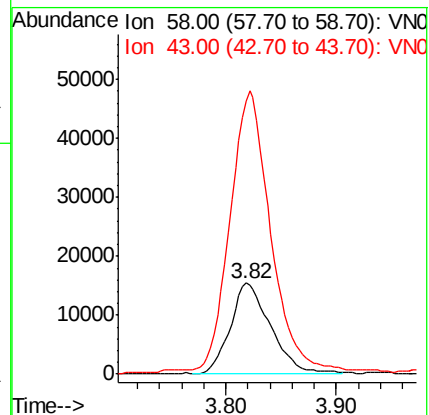
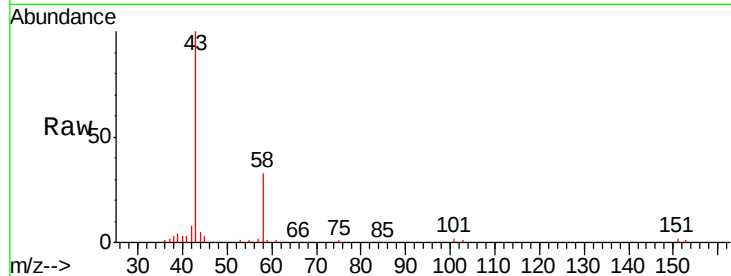
VN1012WBS01

Tgt Ion: 58 Resp: 39484

Ion Ratio Lower Upper

58 100

43 295.3 232.2 348.2



#16

Carbon Disulfide

Concen: 19.03 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051830.D

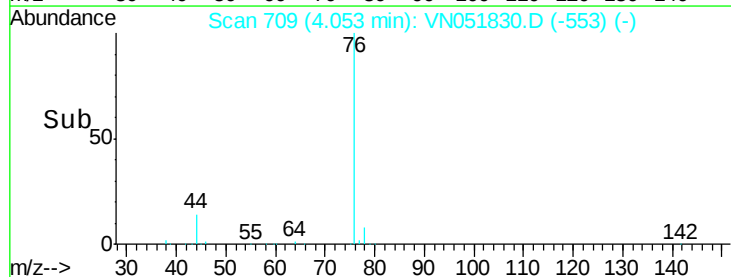
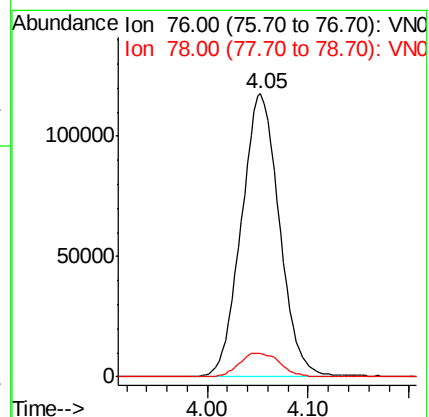
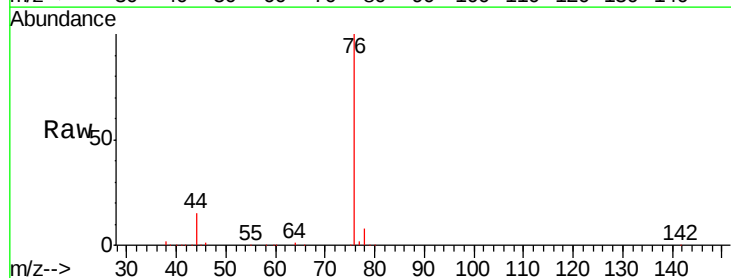
Acq: 12 Oct 2018 14:12

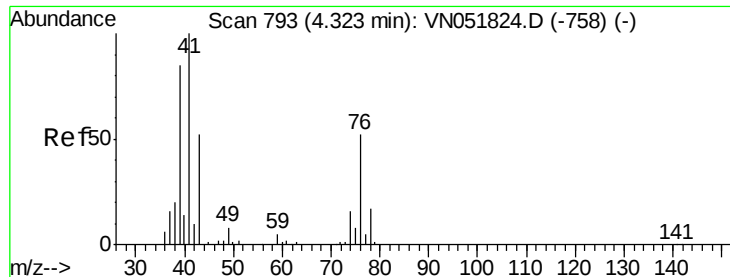
Tgt Ion: 76 Resp: 307631

Ion Ratio Lower Upper

76 100

78 8.1 6.7 10.1





#17

Allyl chloride

Concen: 19.82 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

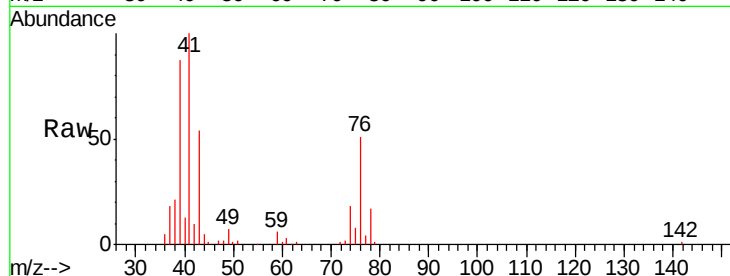
Tgt Ion: 41 Resp: 144855

Ion Ratio Lower Upper

41 100

39 86.6 32.6 97.8

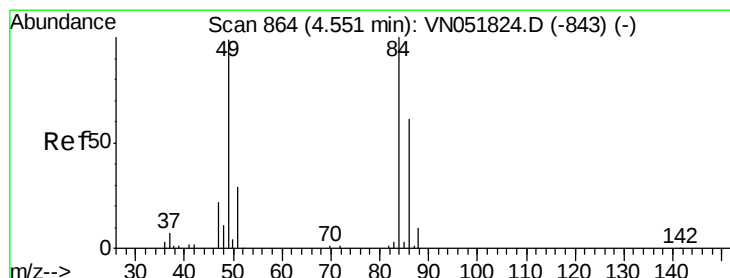
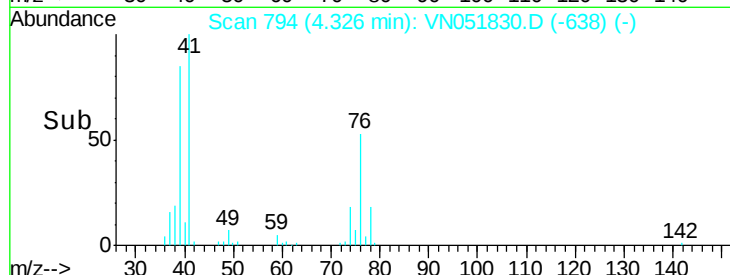
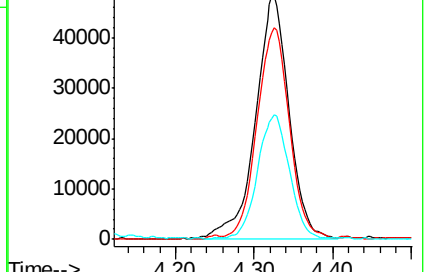
76 51.0 20.2 60.5



Abundance Ion 41.00 (40.70 to 41.70): VN051824.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN051824.D (-758) (-)

Ion 76.00 (75.70 to 76.70): VN051824.D (-758) (-)



#18

Methylene Chloride

Concen: 19.96 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Tgt Ion: 84 Resp: 137352

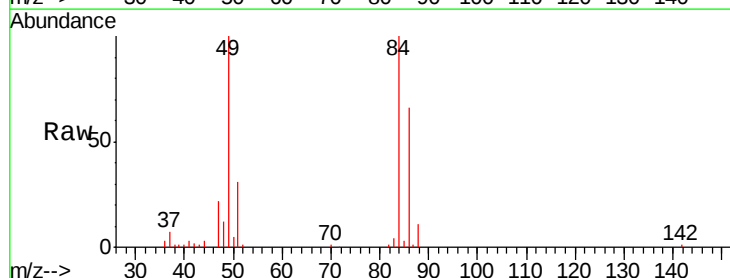
Ion Ratio Lower Upper

84 100

49 100.1 91.6 137.4

51 30.6 29.8 44.6

86 65.6 48.2 72.4

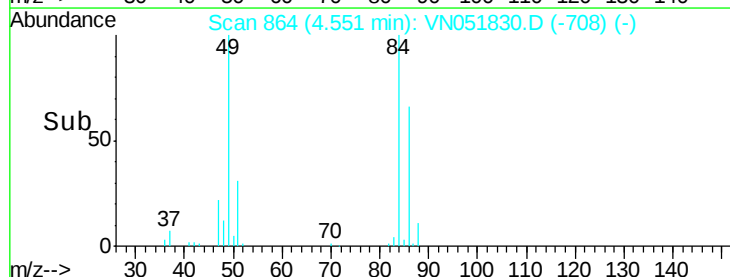
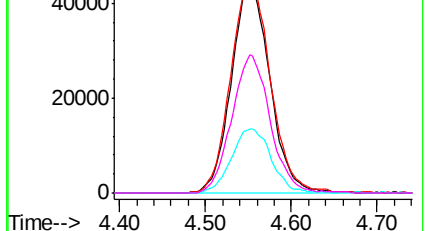


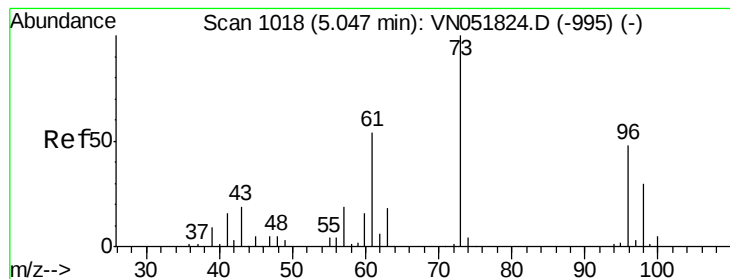
Abundance Ion 84.00 (83.70 to 84.70): VN051824.D (-843) (-)

Ion 49.00 (48.70 to 49.70): VN051824.D (-843) (-)

Ion 51.00 (50.70 to 51.70): VN051824.D (-843) (-)

Ion 86.00 (85.70 to 86.70): VN051824.D (-843) (-)





#19

trans-1,2-Dichloroethene

Concen: 19.90 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

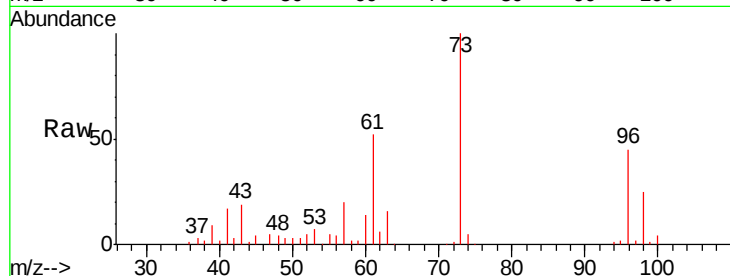
Tgt Ion: 96 Resp: 139870

Ion Ratio Lower Upper

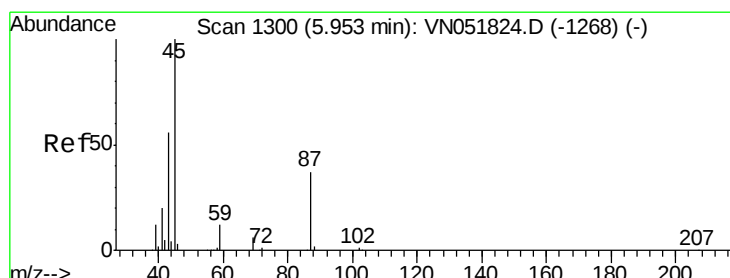
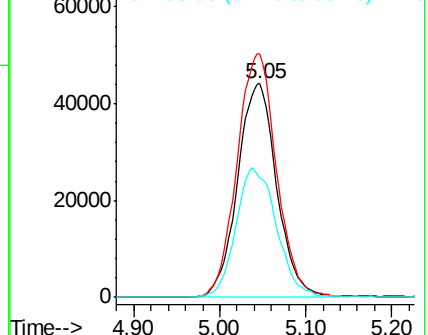
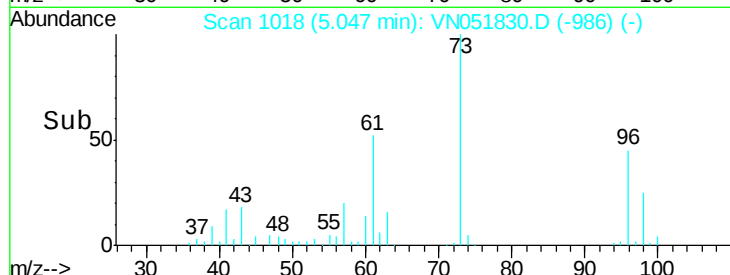
96 100

61 113.8 112.3 168.5

98 56.0 47.1 70.7



Abundance Ion 96.00 (95.70 to 96.70): VN051830.D (-986) (-)



#20

Diisopropyl ether

Concen: 20.16 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Tgt Ion: 45 Resp: 328102

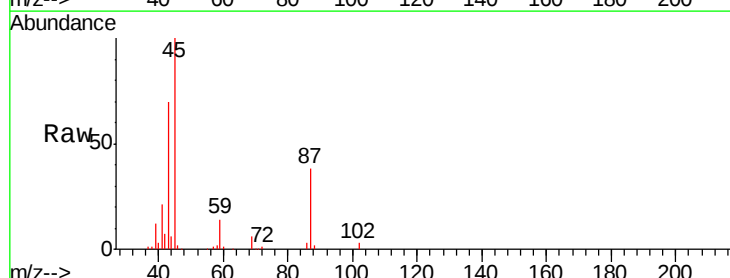
Ion Ratio Lower Upper

45 100

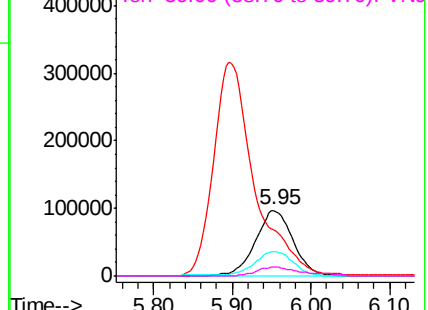
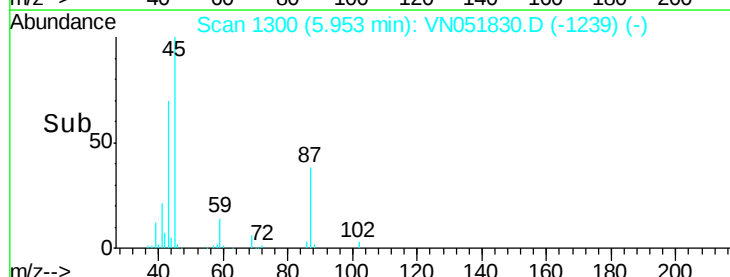
43 66.8 62.1 93.1

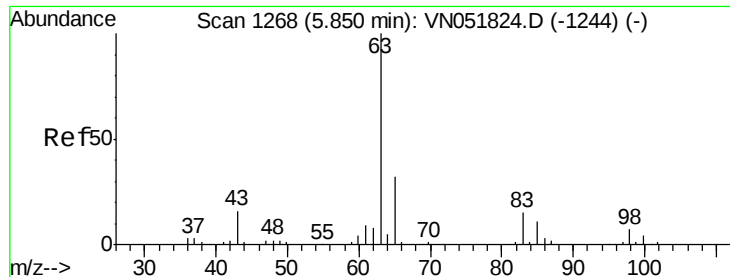
87 37.2 19.9 29.9#

59 13.5 9.8 14.6



Abundance Ion 45.00 (44.70 to 45.70): VN051830.D (-1239) (-)





#21

1,1-Dichloroethane

Concen: 20.18 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

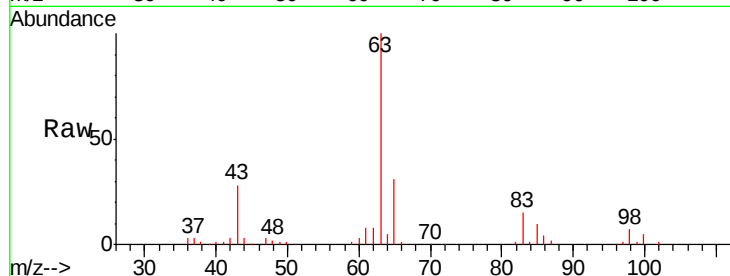
Tgt Ion: 63 Resp: 229467

Ion Ratio Lower Upper

63 100

98 7.2 4.1 12.3

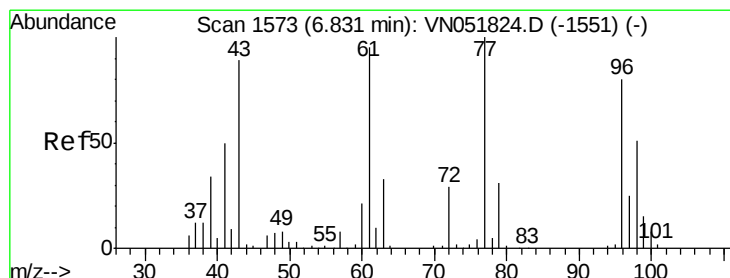
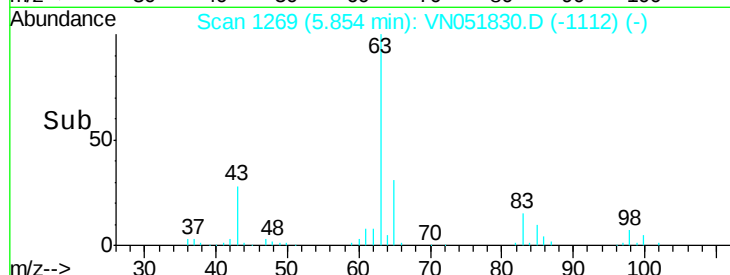
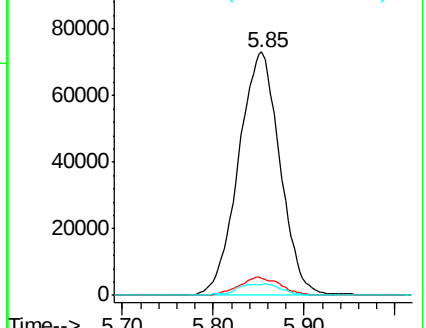
100 4.6 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VN051830.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN051830.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN051830.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.84 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

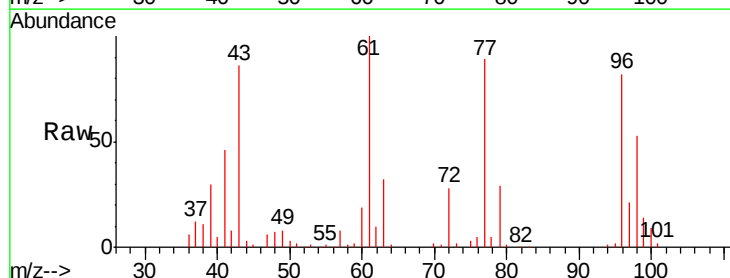
Tgt Ion: 96 Resp: 163827

Ion Ratio Lower Upper

96 100

61 123.1 124.5 186.7#

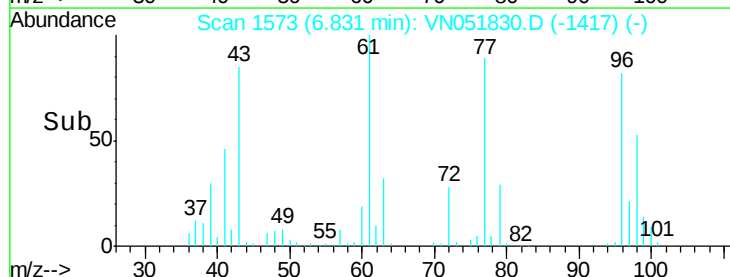
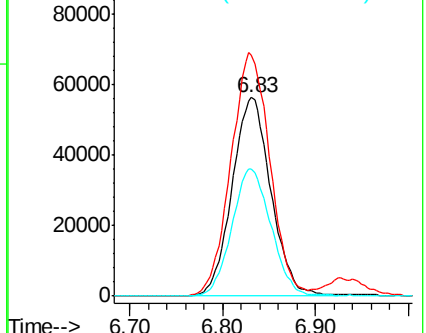
98 64.2 51.9 77.9

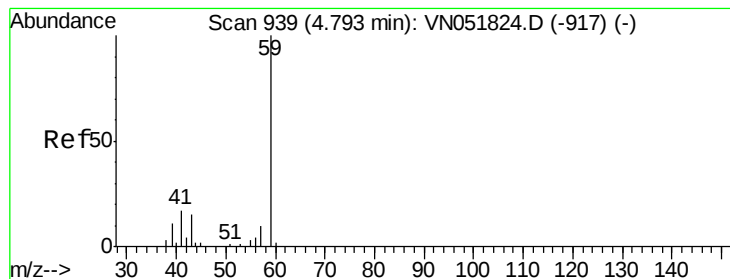


Abundance Ion 96.00 (95.70 to 96.70): VN051830.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN051830.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN051830.D (-1417) (-)





#23

tert-Butyl Alcohol

Concen: 97.71 ug/l

RT: 4.79 min Scan# 937

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

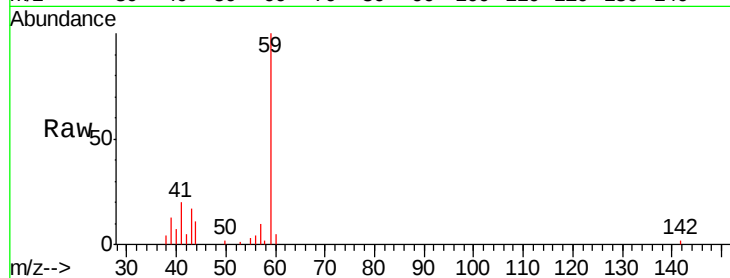
VN1012WBS01

Tgt Ion: 59 Resp: 43963

Ion Ratio Lower Upper

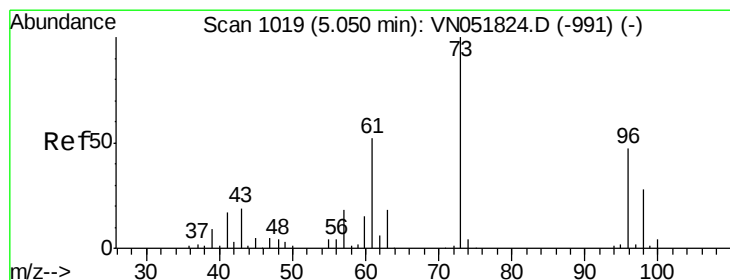
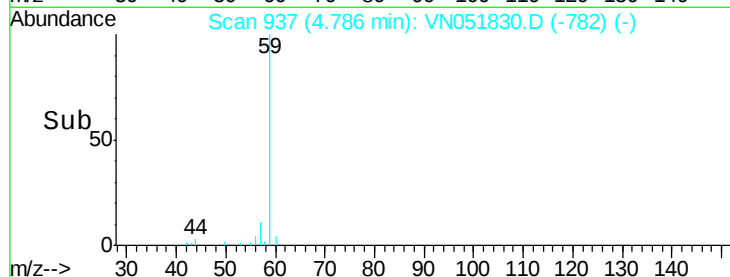
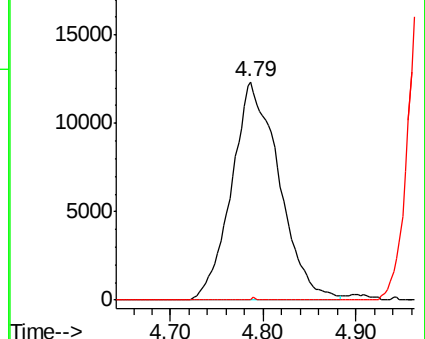
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN051824.D (-917) (-)

Ion 52.00 (51.70 to 52.70): VN051824.D (-917) (-)



#24

Methyl tert-Butyl Ether

Concen: 20.42 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051830.D

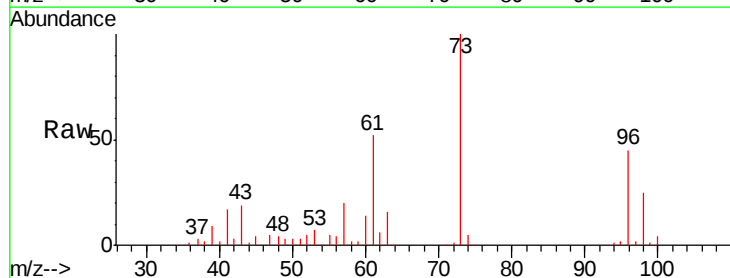
Acq: 12 Oct 2018 14:12

Tgt Ion: 73 Resp: 362087

Ion Ratio Lower Upper

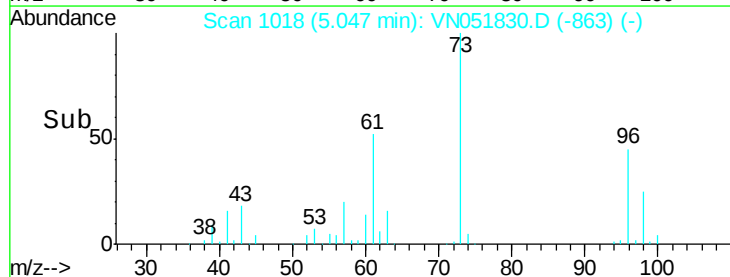
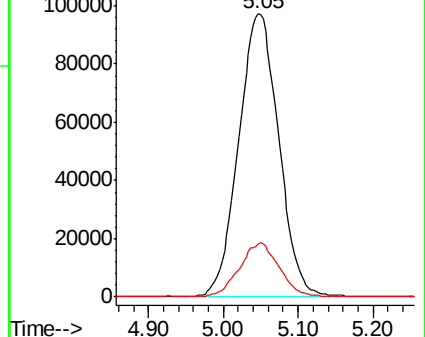
73 100

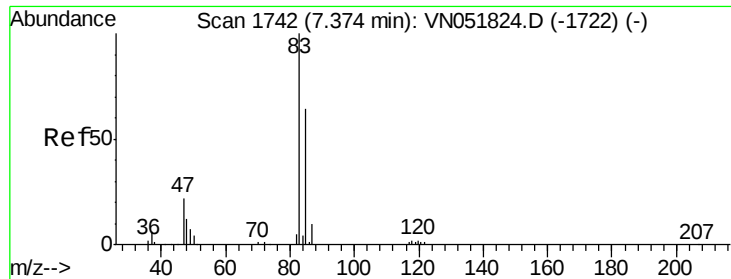
43 19.0 5.4 8.0#



Abundance Ion 73.00 (72.70 to 73.70): VN051824.D (-991) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-991) (-)





#25

Chloroform

Concen: 20.25 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

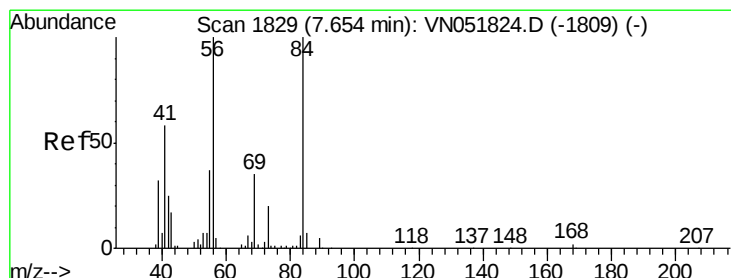
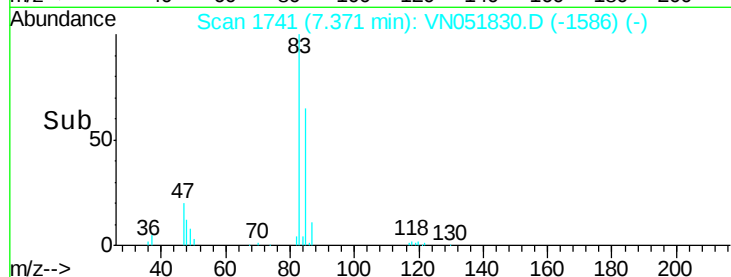
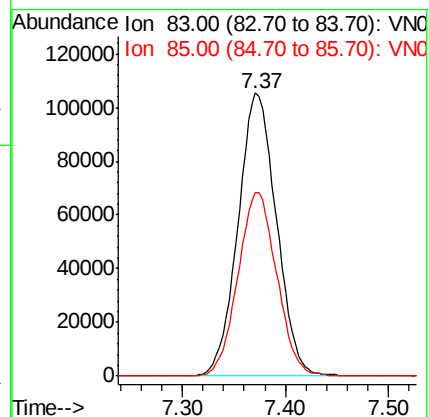
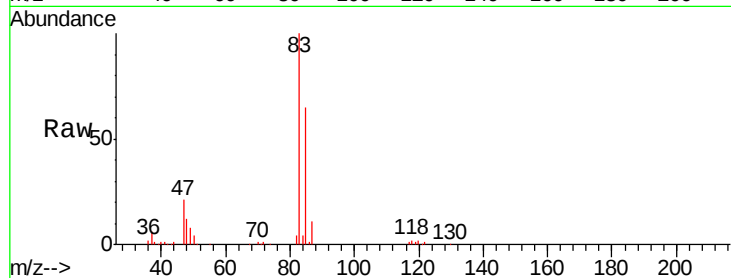
VN1012WBS01

Tgt Ion: 83 Resp: 273247

Ion Ratio Lower Upper

83 100

85 65.1 54.6 82.0



#26

Cyclohexane

Concen: 20.07 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

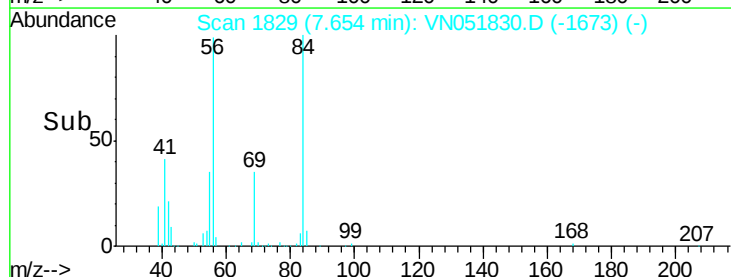
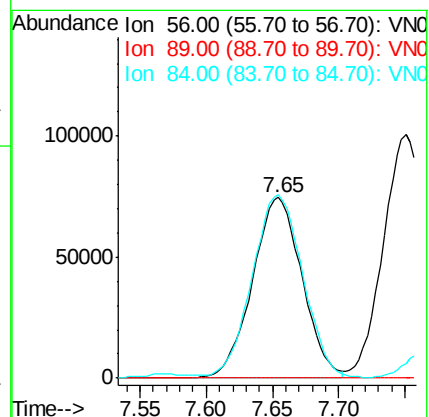
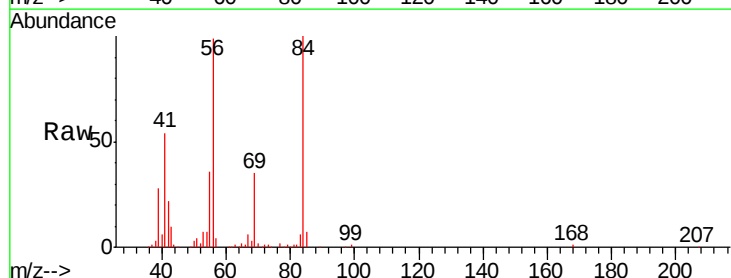
Tgt Ion: 56 Resp: 193513

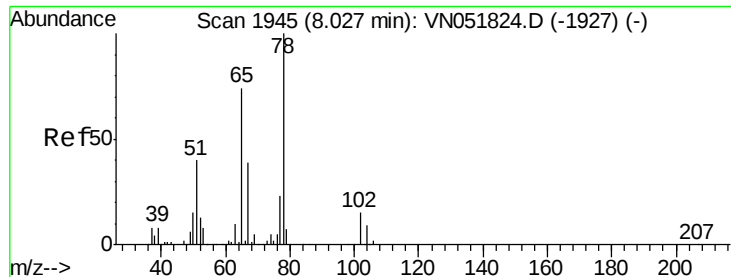
Ion Ratio Lower Upper

56 100

89 0.2 1.5 2.3#

84 104.7 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 20.07 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

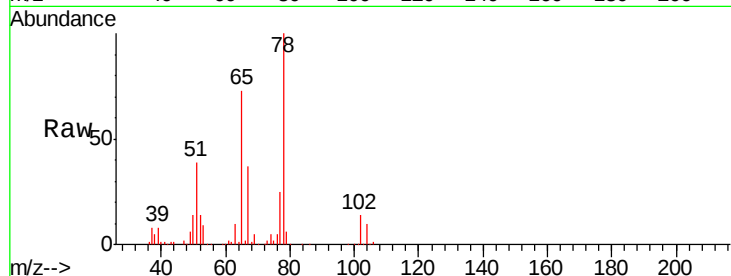
VN1012WBS01

Tgt Ion: 65 Resp: 258772

Ion Ratio Lower Upper

65 100

67 50.7 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

8.03

120000

100000

80000

60000

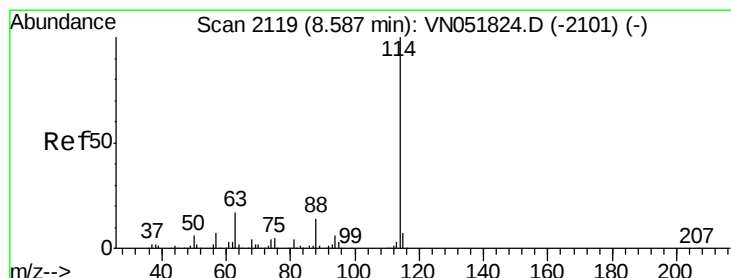
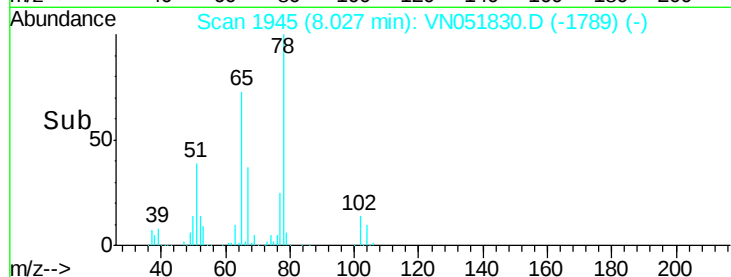
40000

20000

0

Time-->

7.95 8.00 8.05 8.10



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Tgt Ion: 114 Resp: 762421

Ion Ratio Lower Upper

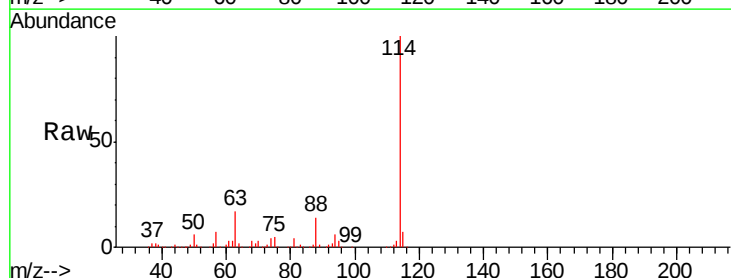
114 100

63 17.2

16.2 24.2

88 14.5

12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.59

500000

400000

300000

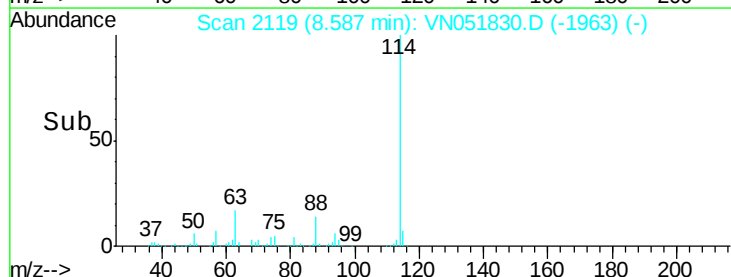
200000

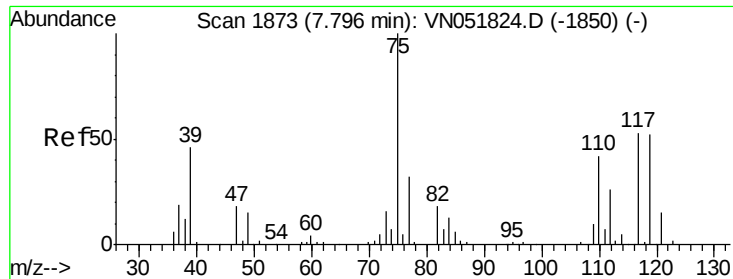
100000

0

Time-->

8.50 8.60 8.70

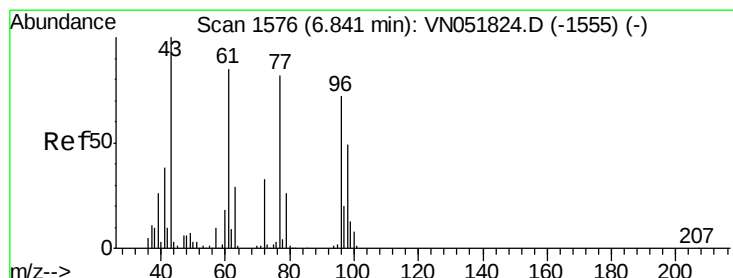
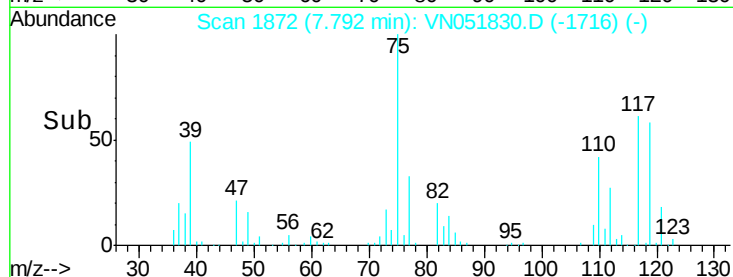
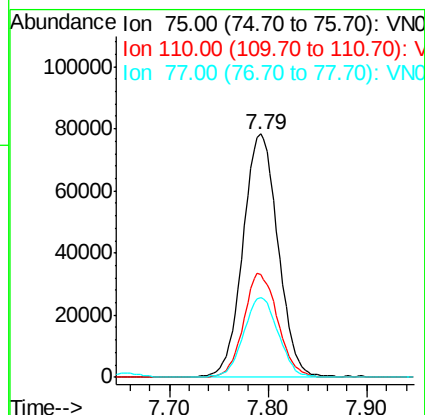
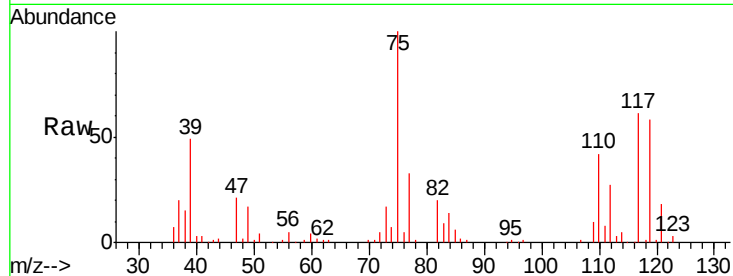




#29
 1,1-Dichloropropene
 Concen: 19.63 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

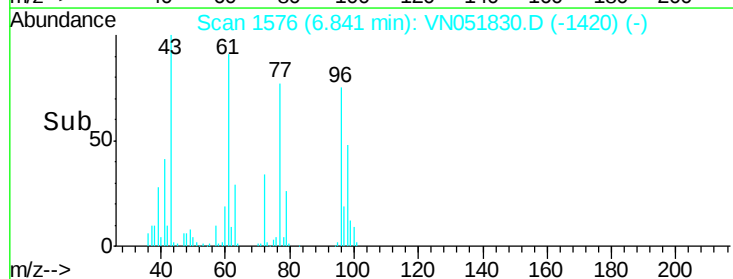
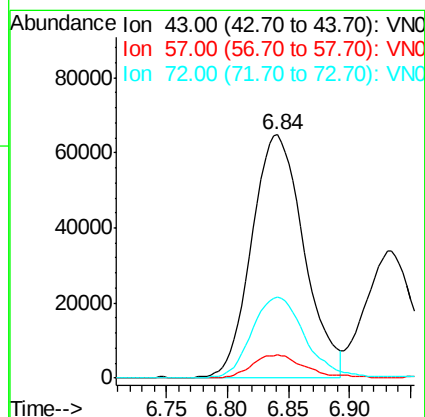
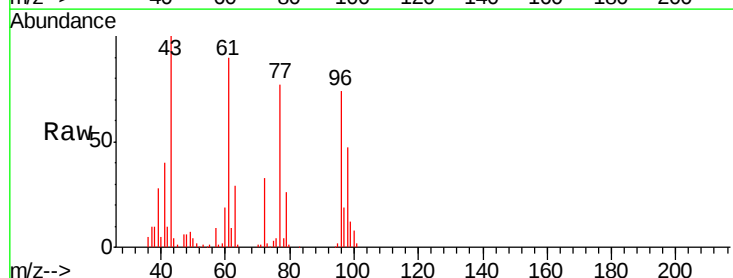
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

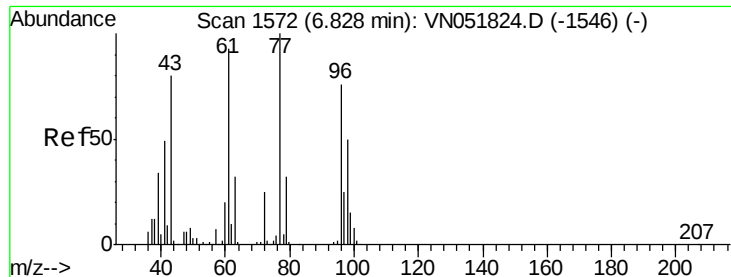
Tgt Ion: 75 Resp: 192950
 Ion Ratio Lower Upper
 75 100
 110 41.4 0.0 70.8
 77 32.4 0.0 61.6



#30
 2-Butanone
 Concen: 93.04 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 43 Resp: 191105
 Ion Ratio Lower Upper
 43 100
 57 9.4 4.5 6.7#
 72 34.2 21.5 32.3#





#31

2,2-Dichloropropane

Concen: 17.54 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

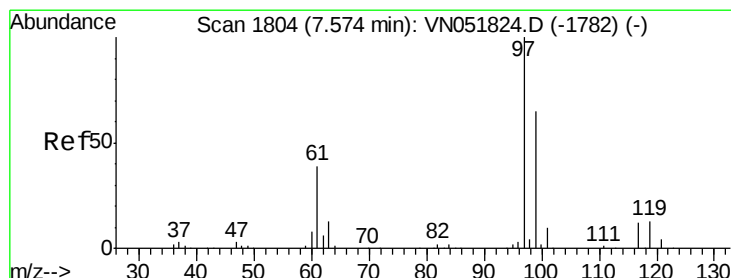
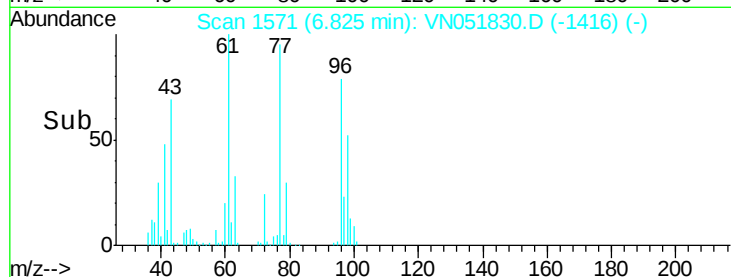
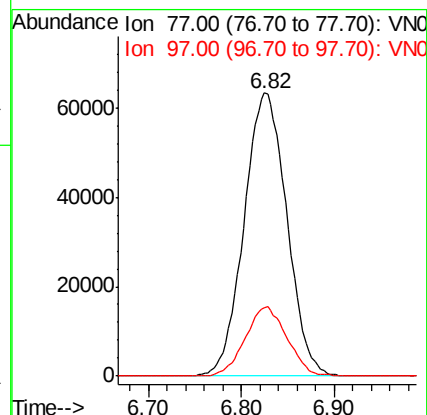
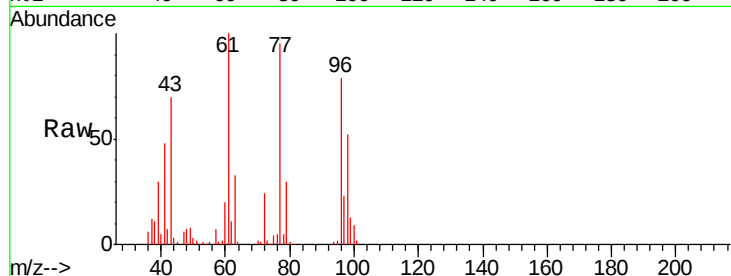
VN1012WBS01

Tgt Ion: 77 Resp: 202780

Ion Ratio Lower Upper

77 100

97 23.9 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 19.35 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

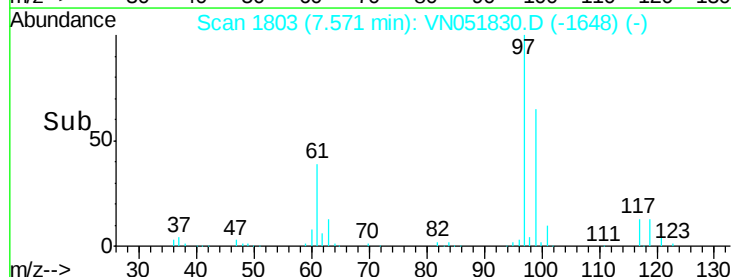
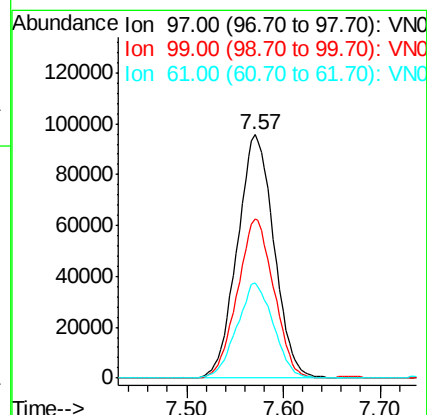
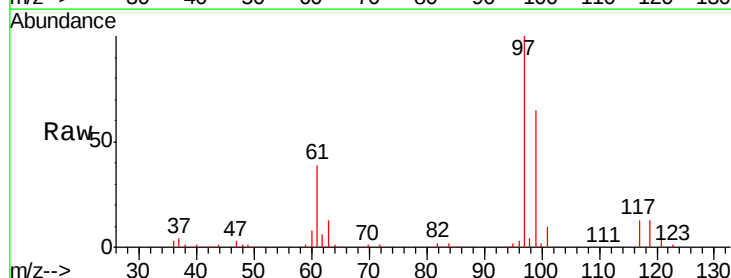
Tgt Ion: 97 Resp: 252157

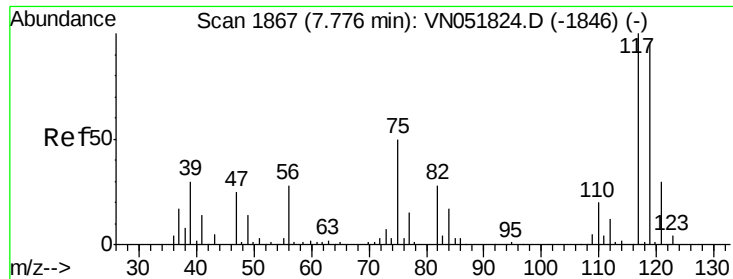
Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

61 39.1 37.4 56.0

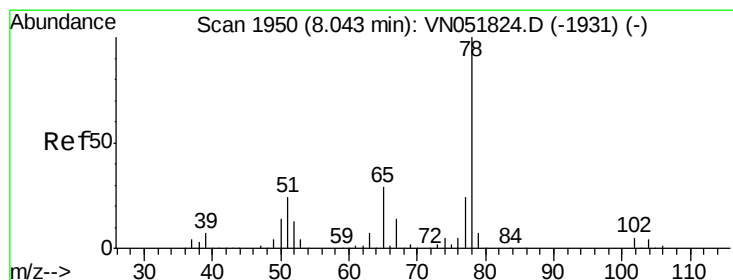
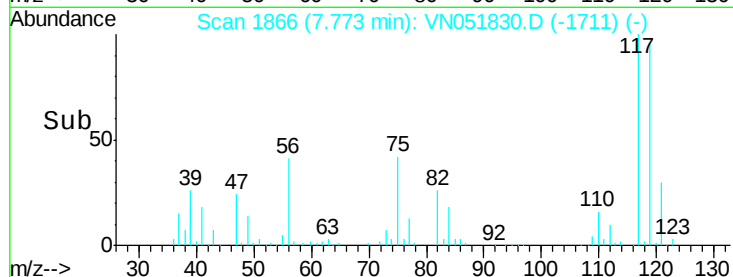
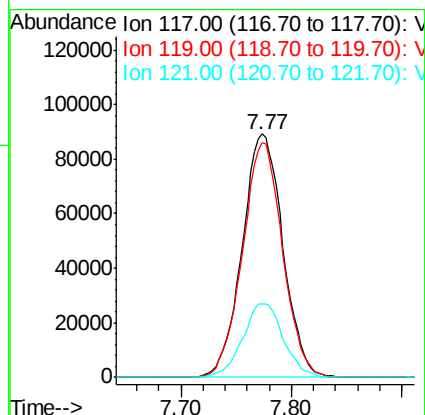
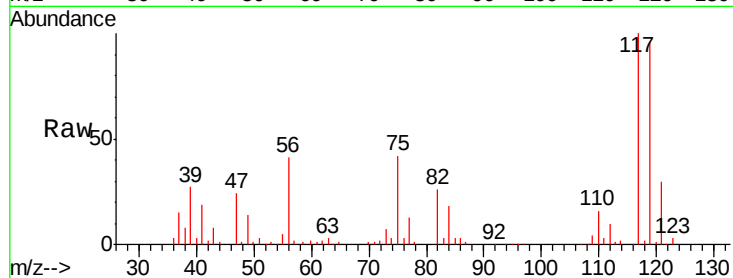




#33
Carbon Tetrachloride
Concen: 19.31 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

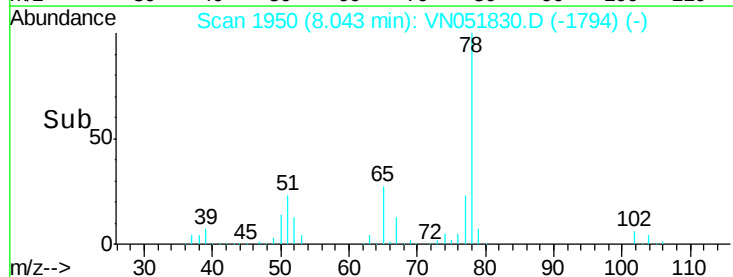
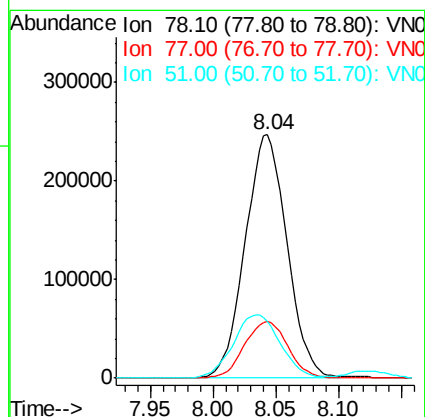
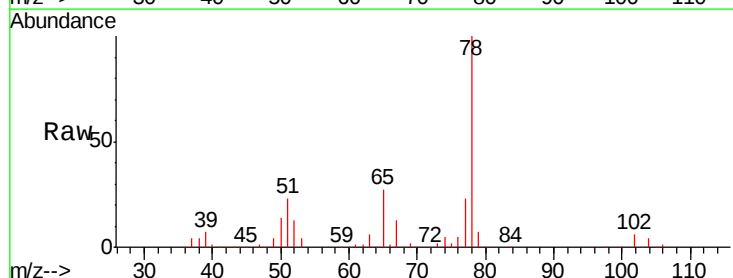
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

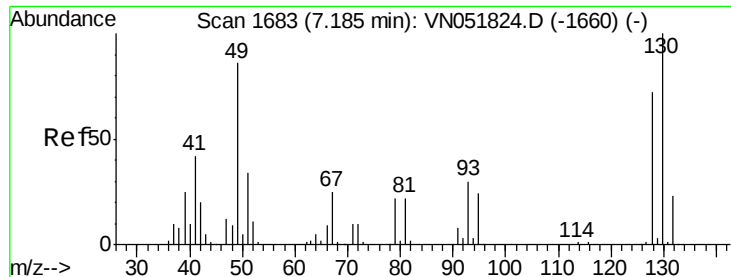
Tgt Ion:117 Resp: 227624
Ion Ratio Lower Upper
117 100
119 96.3 85.1 127.7
121 30.3 24.2 36.2



#34
Benzene
Concen: 19.73 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion: 78 Resp: 573610
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2
51 23.2 46.2 69.4#

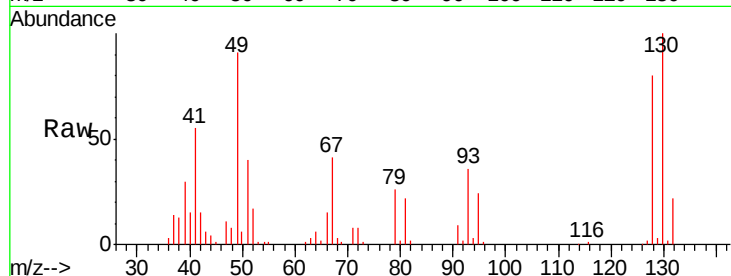




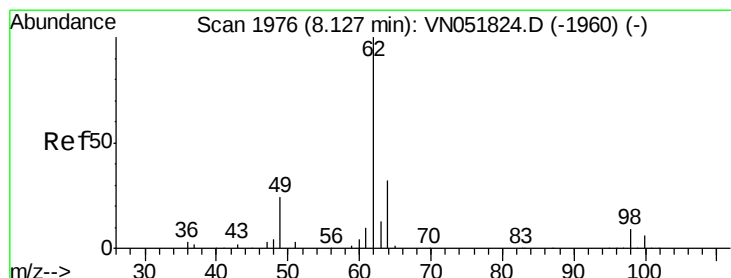
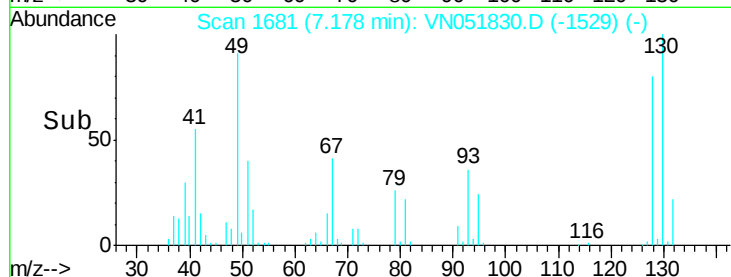
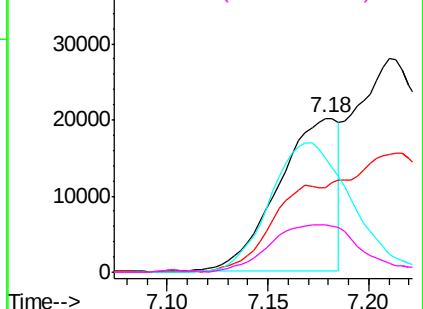
#35
Methacrylonitrile
Concen: 15.29 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.01 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion:	41	Resp:	41251
Ion	Ratio	Lower	Upper
41	100		
39	55.7	22.6	67.7
67	74.9	28.9	86.8
52	29.9	11.3	33.9

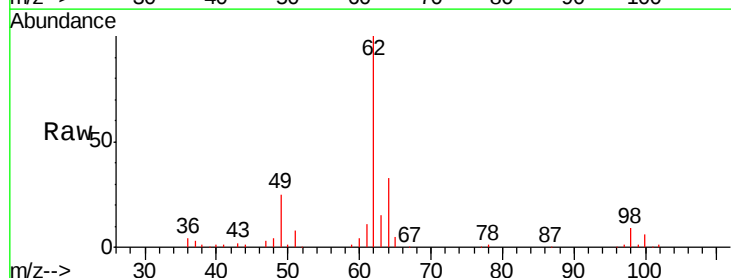


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

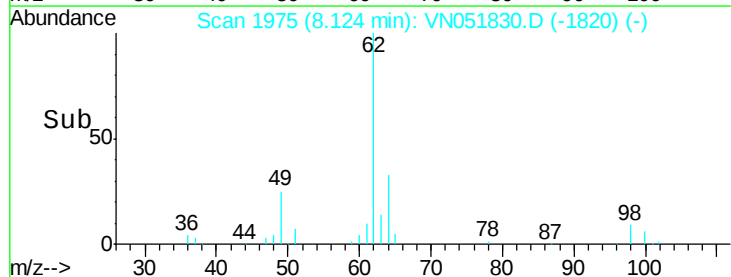
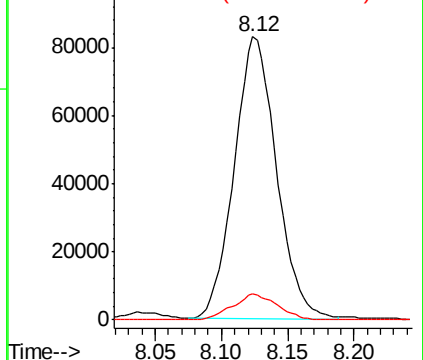


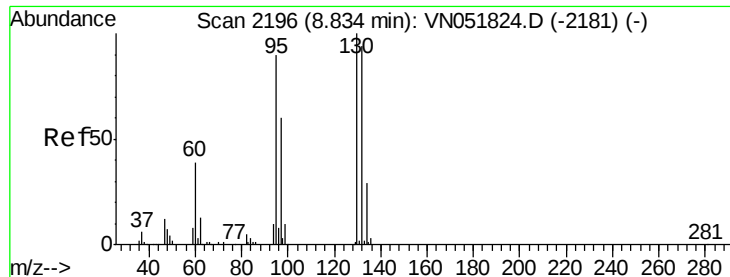
#36
1,2-Dichloroethane
Concen: 19.62 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion:	62	Resp:	182738
Ion	Ratio	Lower	Upper
62	100		
98	9.8	6.9	10.3



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

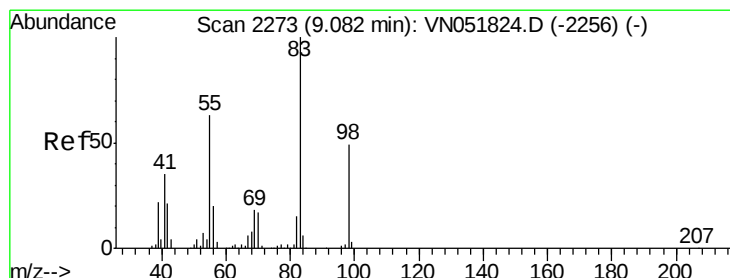
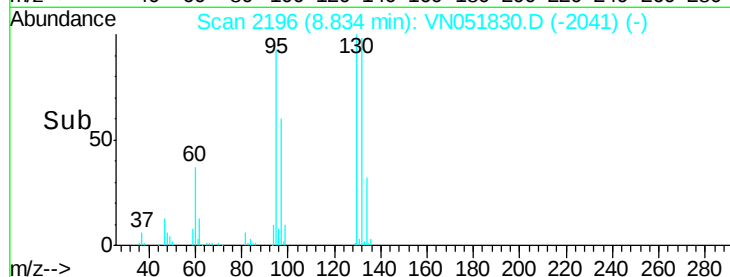
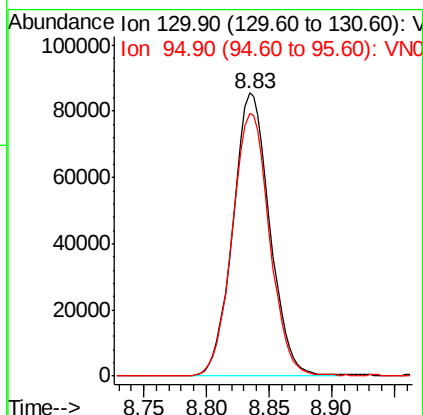
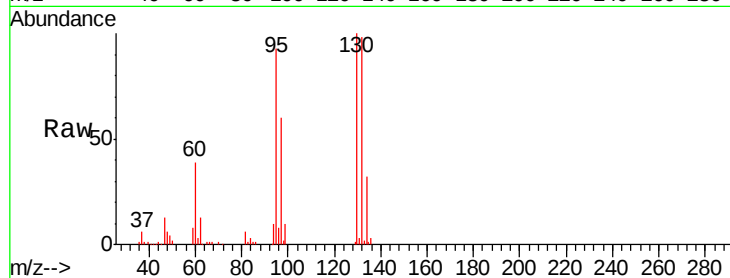




#37
 Trichloroethene
 Concen: 19.37 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

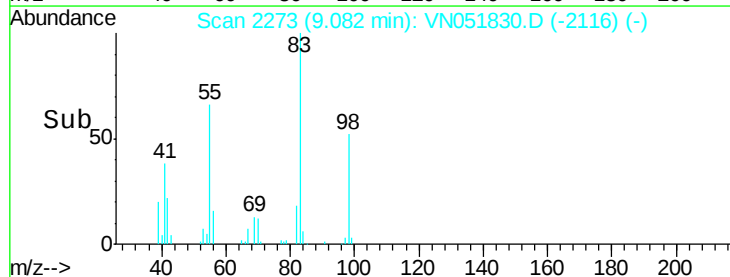
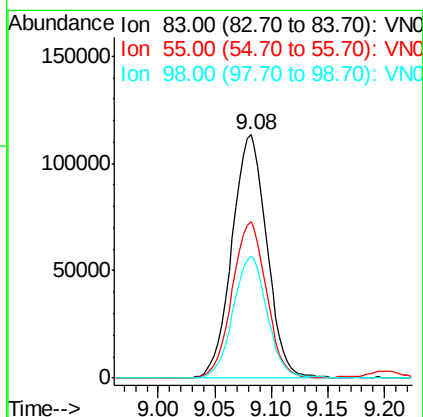
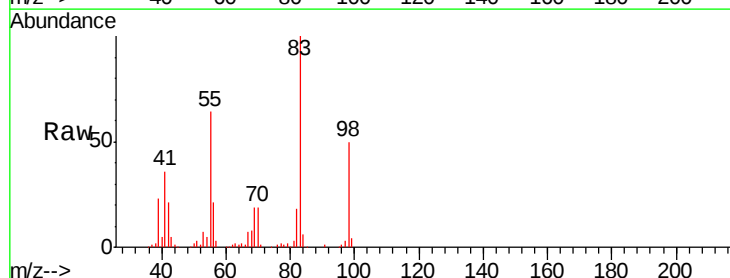
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

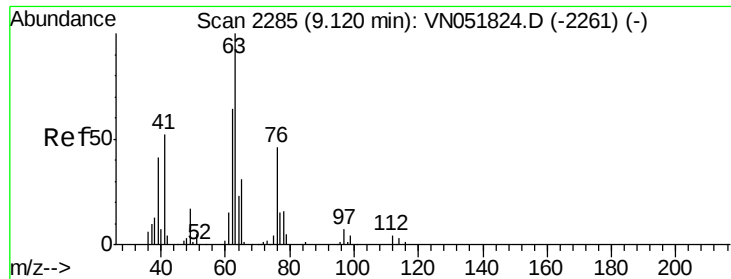
Tgt Ion:130 Resp: 174799
 Ion Ratio Lower Upper
 130 100
 95 92.8 76.4 114.6



#38
 Methylcyclohexane
 Concen: 19.32 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 83 Resp: 243517
 Ion Ratio Lower Upper
 83 100
 55 63.0 43.0 129.2
 98 49.0 21.3 63.7





#39

1,2-Dichloropropane

Concen: 19.40 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

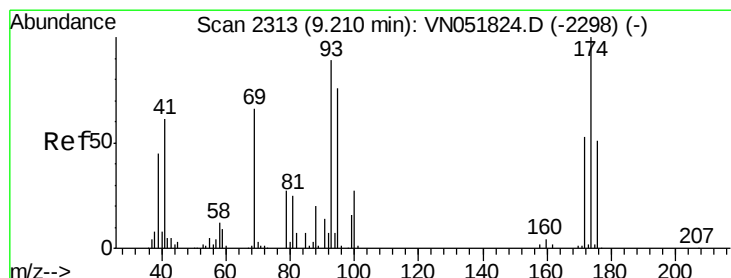
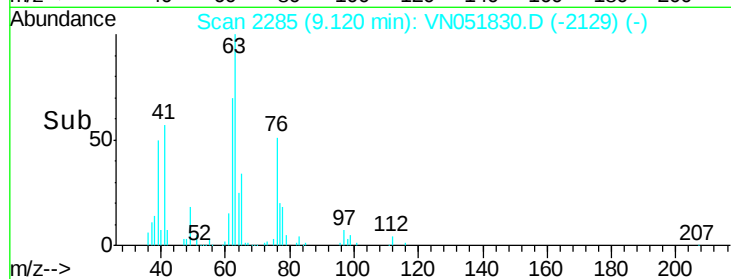
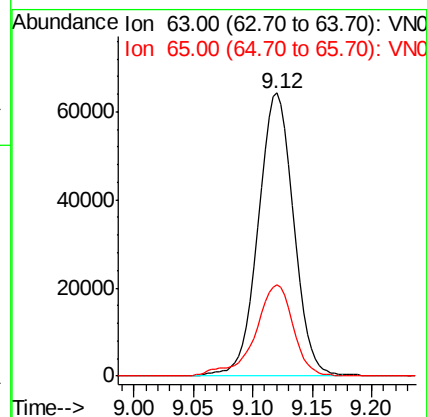
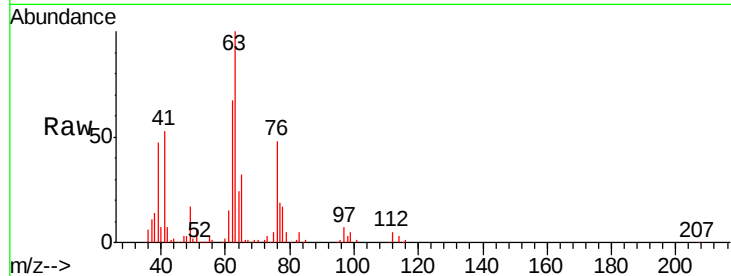
VN1012WBS01

Tgt Ion: 63 Resp: 132832

Ion Ratio Lower Upper

63 100

65 32.2 23.2 34.8



#40

Dibromomethane

Concen: 19.38 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

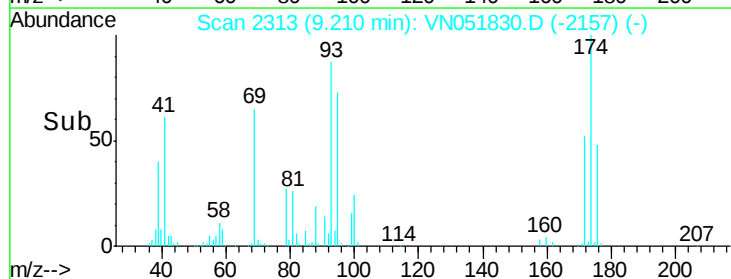
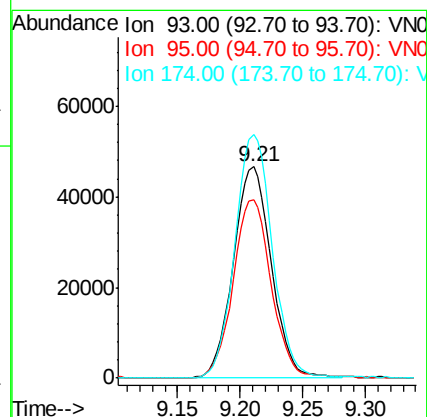
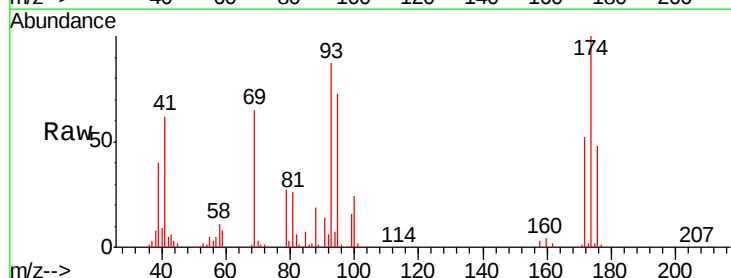
Tgt Ion: 93 Resp: 98459

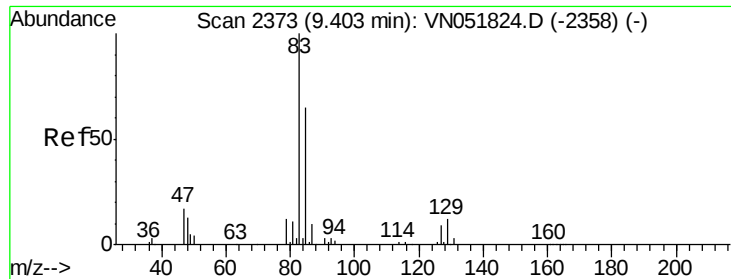
Ion Ratio Lower Upper

93 100

95 84.6 0.0 162.0

174 113.9 0.0 214.0

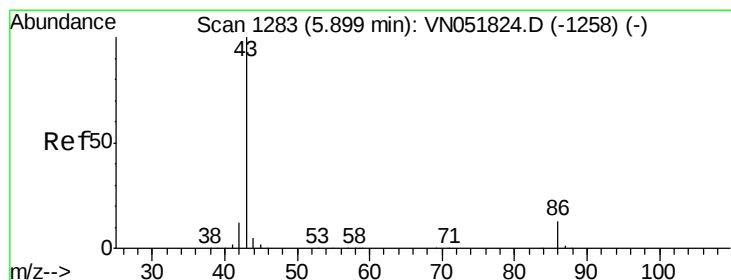
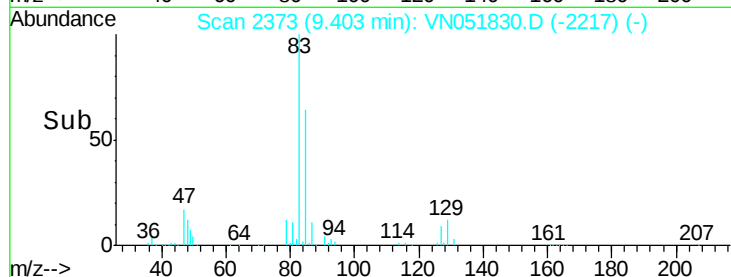
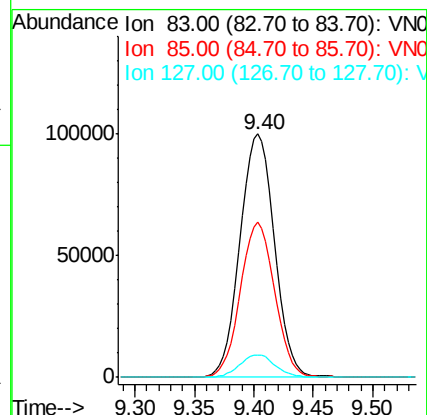
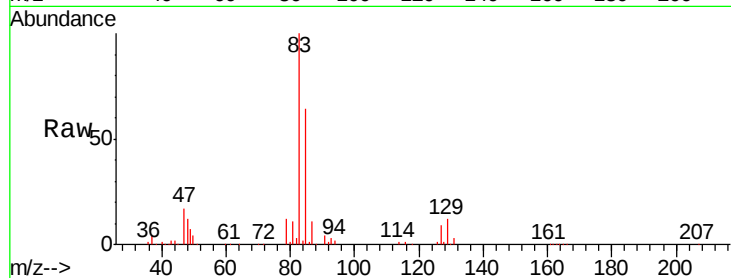




#41
Bromodichloromethane
Concen: 19.19 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

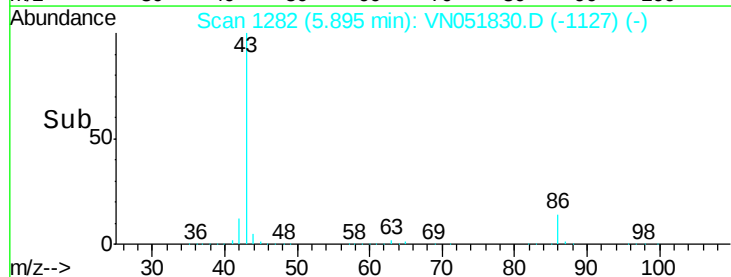
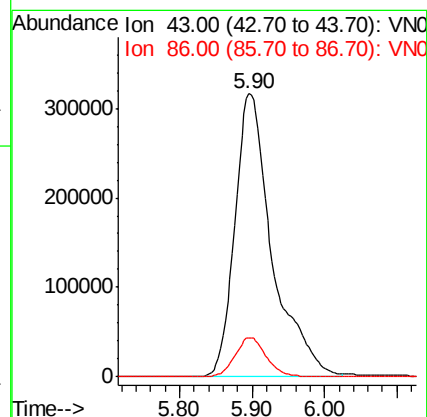
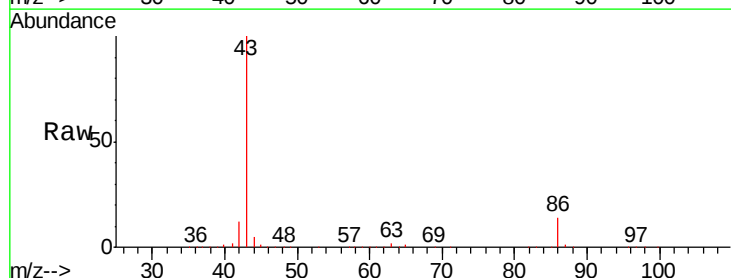
Instrument :
MSVOA_N
ClientSampled :
VN1012WBS01

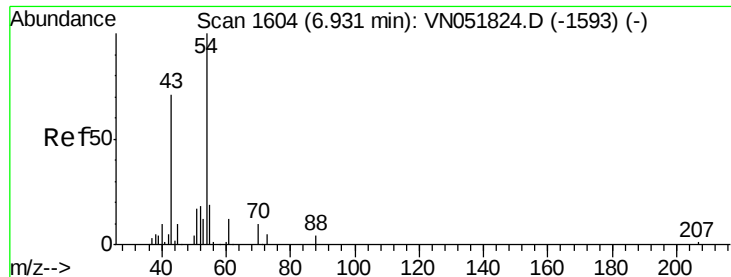
Tgt Ion: 83 Resp: 201427
Ion Ratio Lower Upper
83 100
85 63.6 55.7 83.5
127 9.2 8.2 12.4



#42
Vinyl Acetate
Concen: 97.98 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion: 43 Resp: 1132939
Ion Ratio Lower Upper
43 100
86 11.6 6.5 9.7#

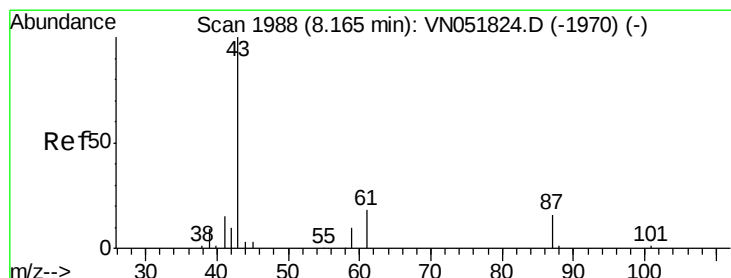
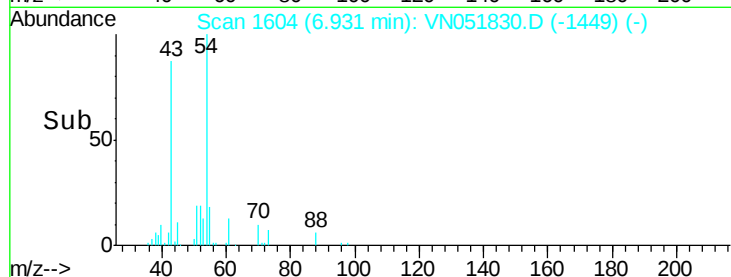
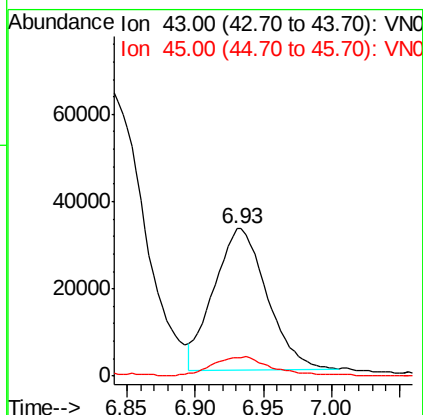
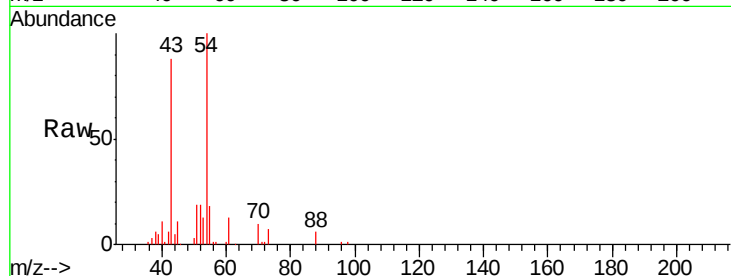




#43
Ethyl Acetate
Concen: 19.67 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

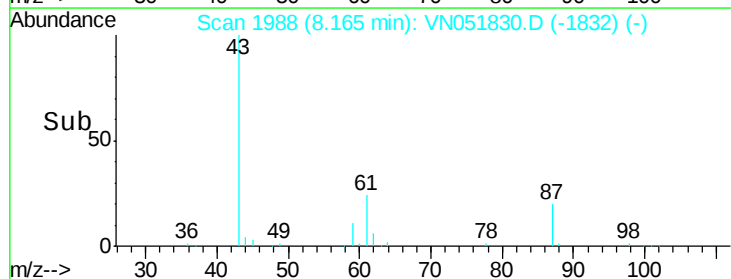
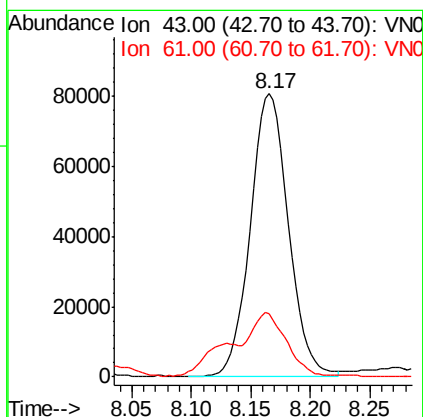
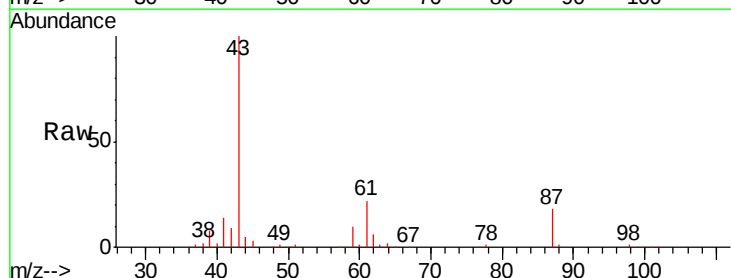
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

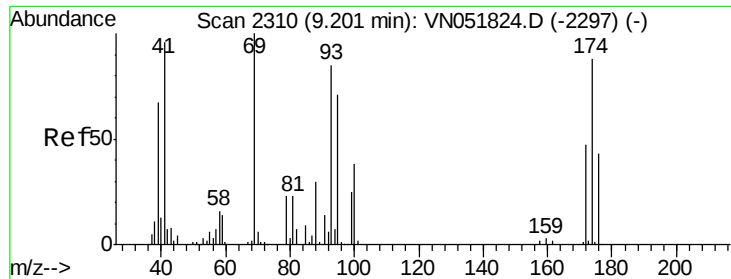
Tgt Ion: 43 Resp: 87721
Ion Ratio Lower Upper
43 100
45 0.0 11.0 16.6#



#44
Isopropyl Acetate
Concen: 20.13 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion: 43 Resp: 179327
Ion Ratio Lower Upper
43 100
61 21.3 15.9 23.9

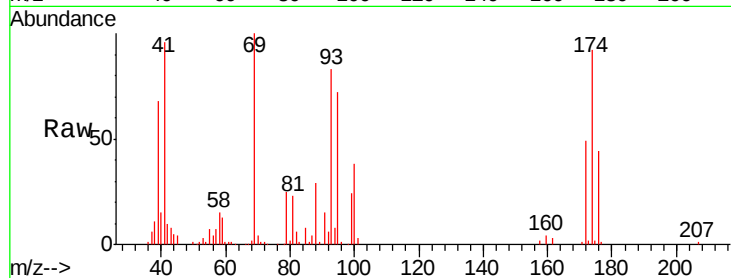




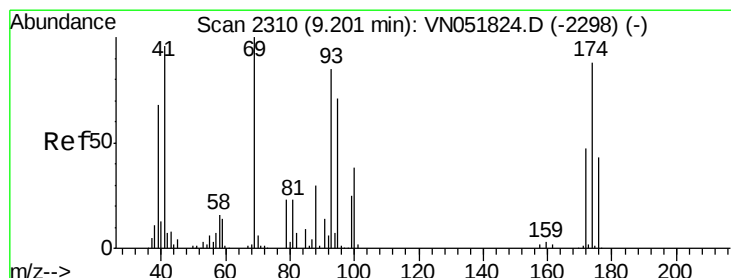
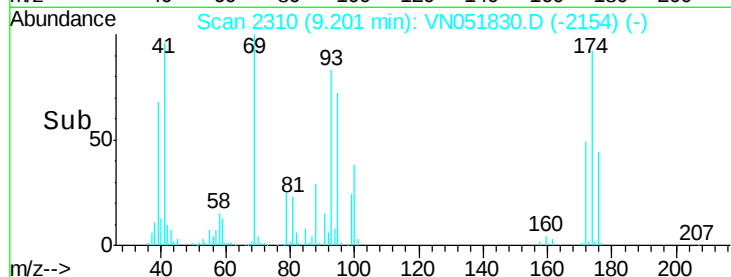
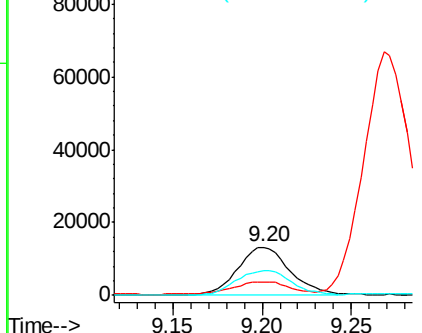
#45
 1,4-Dioxane
 Concen: 381.46 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Tgt Ion: 88 Resp: 27287
 Ion Ratio Lower Upper
 88 100
 43 24.7 26.2 39.2#
 58 54.2 65.6 98.4#

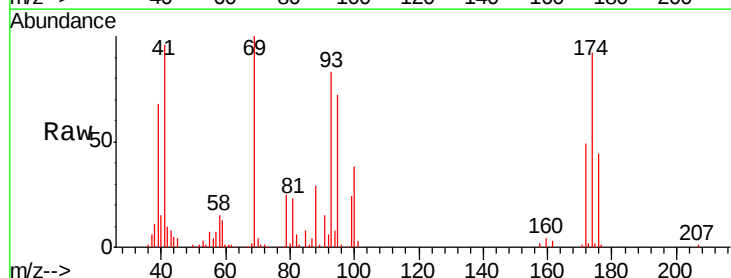


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

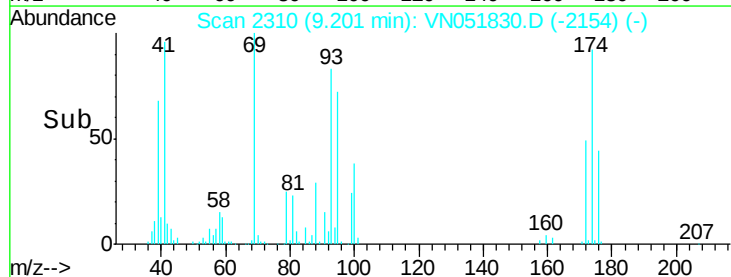
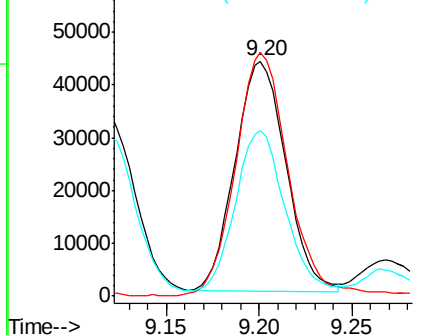


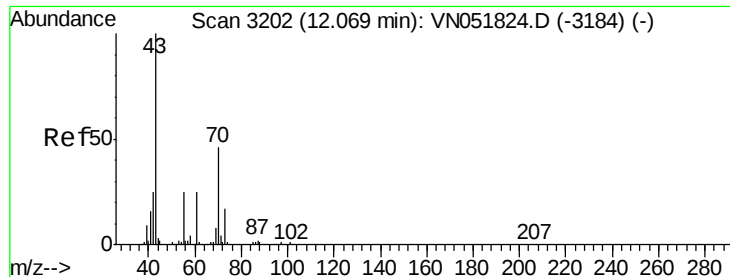
#46
 Methyl methacrylate
 Concen: 20.10 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 41 Resp: 82604
 Ion Ratio Lower Upper
 41 100
 69 105.2 40.7 122.1
 39 70.1 27.3 81.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amy1 Acetate

Concen: 0.25 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.18 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

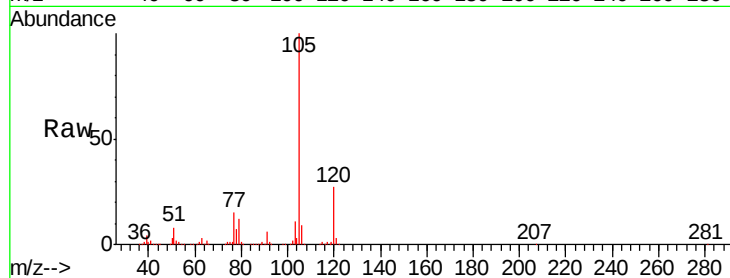
VN1012WBS01

Tgt Ion: 43 Resp: 1836

Ion Ratio Lower Upper

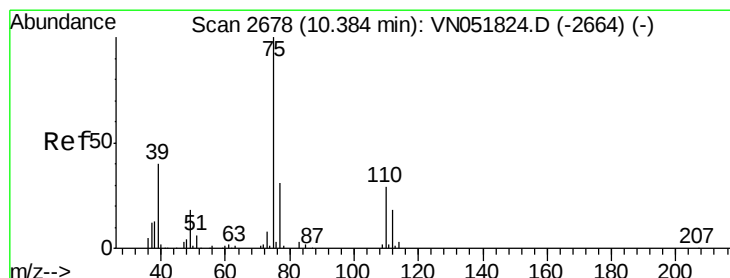
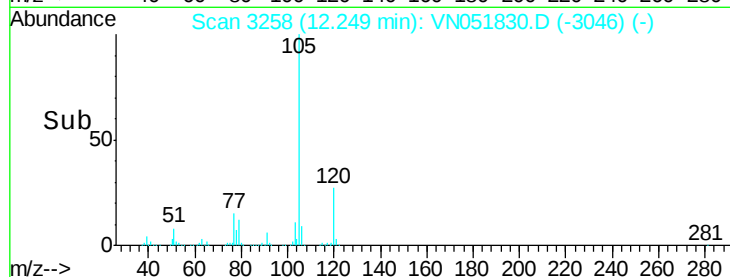
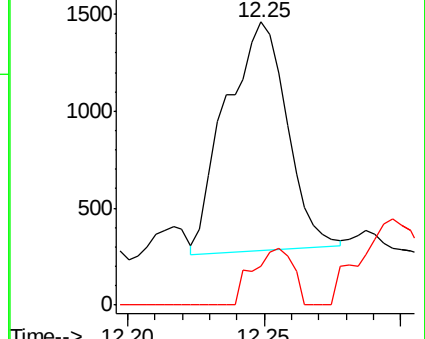
43 100

55 12.6 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.37 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051830.D

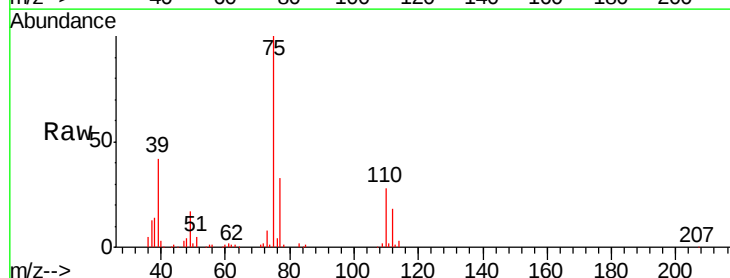
Acq: 12 Oct 2018 14:12

Tgt Ion: 75 Resp: 187978

Ion Ratio Lower Upper

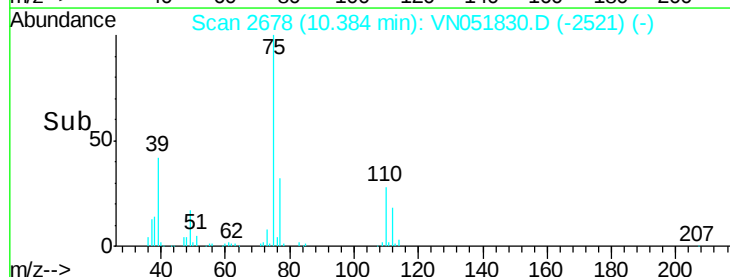
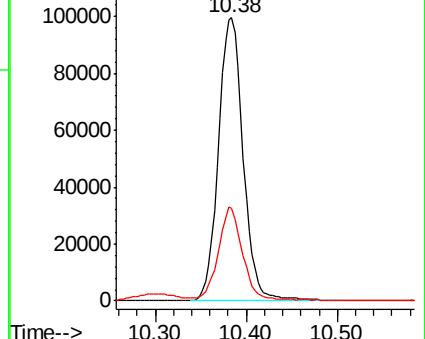
75 100

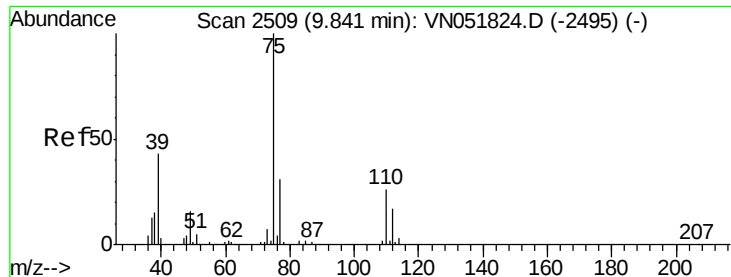
77 32.3 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

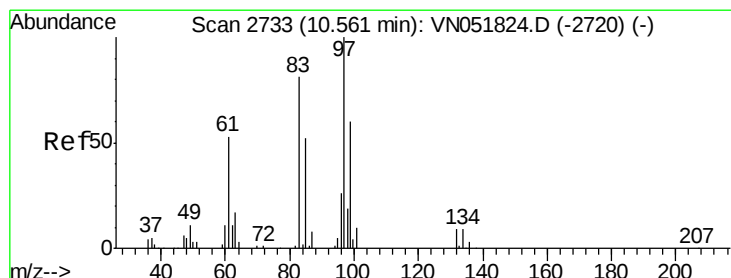
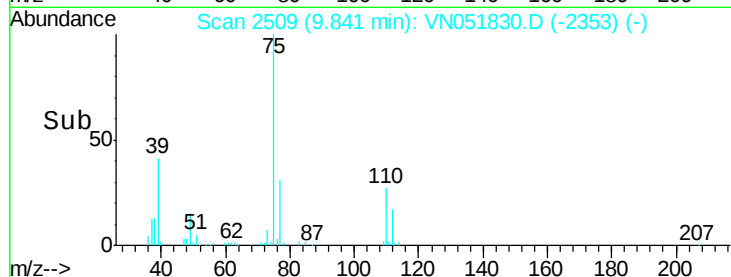
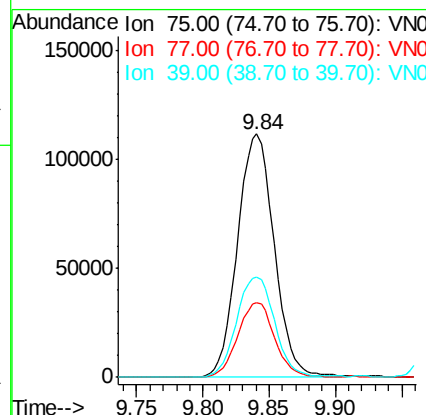
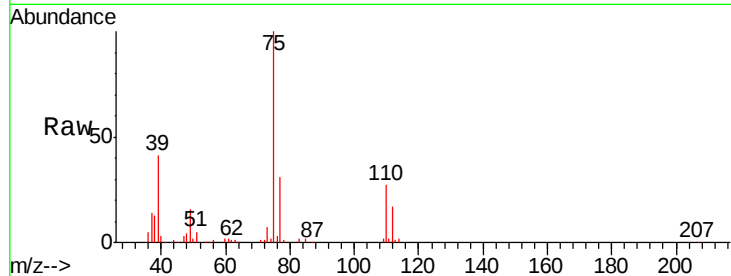




#49
 cis-1,3-Dichloropropene
 Concen: 19.04 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

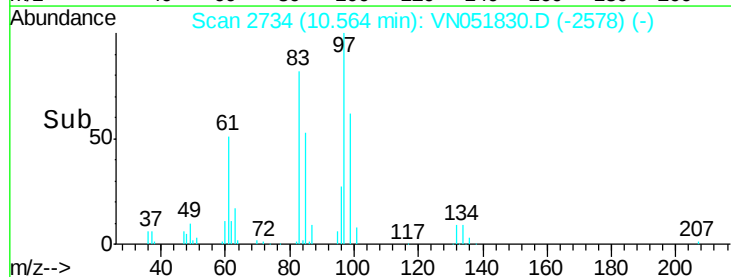
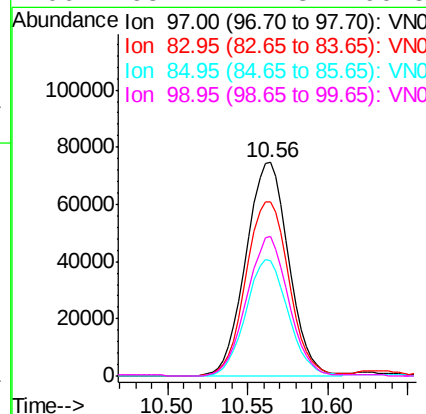
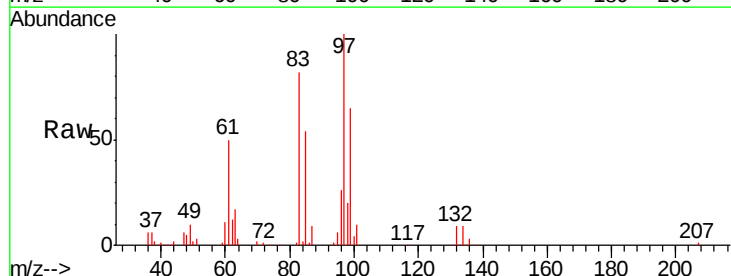
Instrument :
 MSVOA_N
 ClientSampled :
 VN1012WBS01

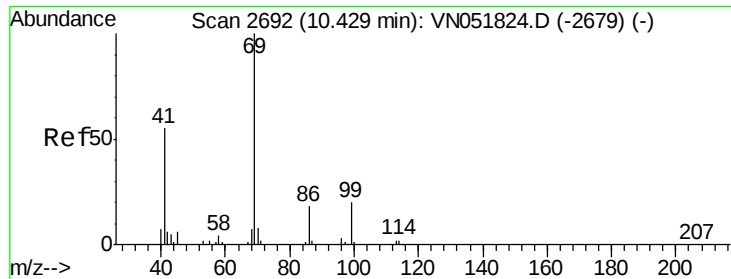
Tgt Ion: 75 Resp: 214831
 Ion Ratio Lower Upper
 75 100
 77 30.8 23.2 34.8
 39 41.1 34.6 52.0



#50
 1,1,2-Trichloroethane
 Concen: 19.50 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 97 Resp: 136864
 Ion Ratio Lower Upper
 97 100
 83 81.6 68.2 102.4
 85 53.8 42.5 63.7
 99 65.2 44.3 66.5





#51

Ethyl methacrylate

Concen: 19.57 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampled :

VN1012WBS01

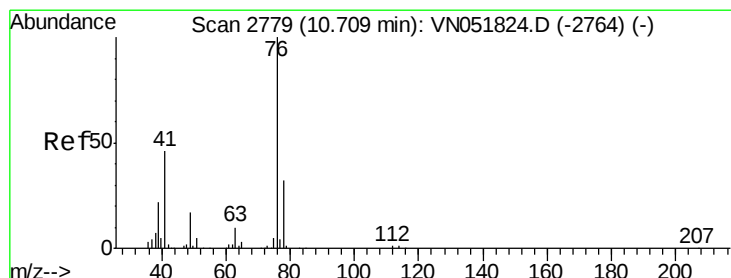
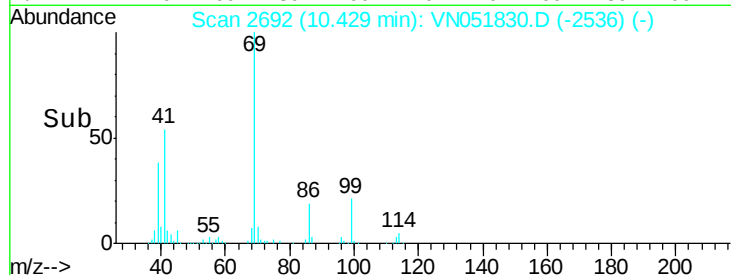
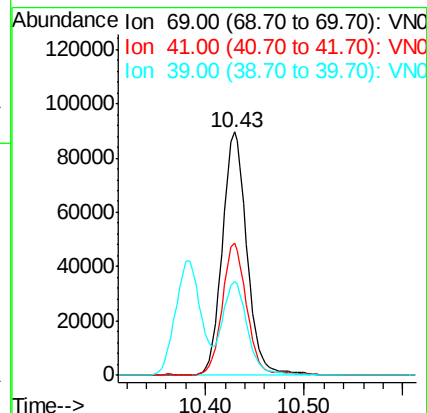
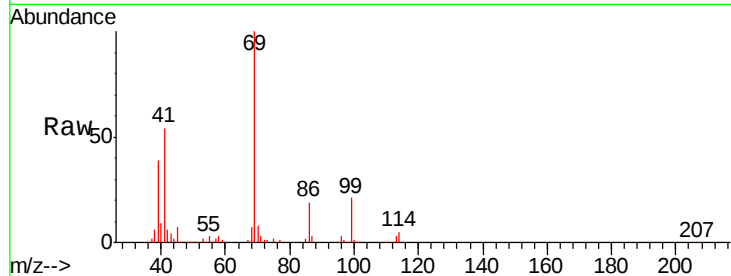
Tgt Ion: 69 Resp: 157319

Ion Ratio Lower Upper

69 100

41 53.7 34.4 103.1

39 38.5 16.3 48.8



#52

1,3-Dichloropropane

Concen: 19.54 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051830.D

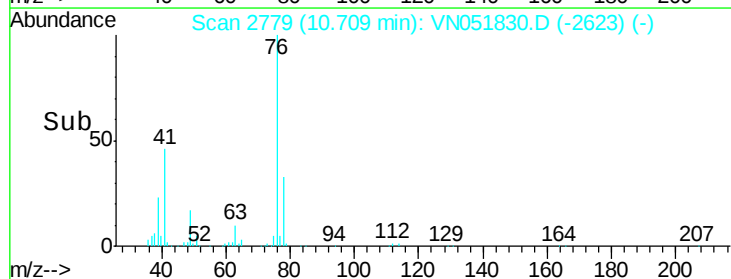
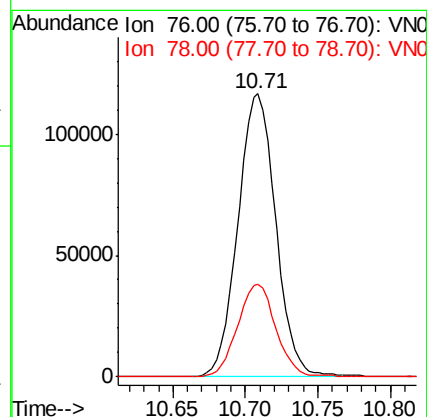
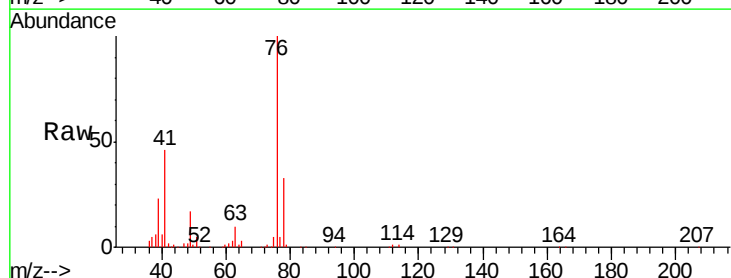
Acq: 12 Oct 2018 14:12

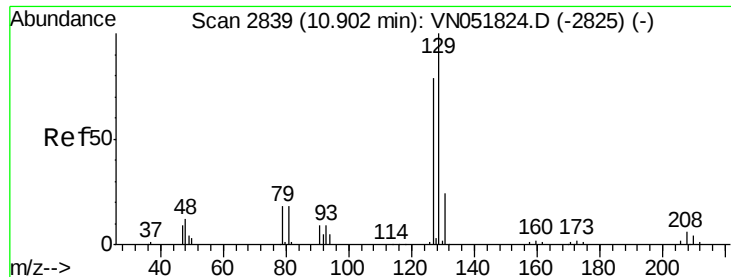
Tgt Ion: 76 Resp: 211682

Ion Ratio Lower Upper

76 100

78 33.2 0.0 67.6





#53

Dibromochloromethane

Concen: 17.83 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

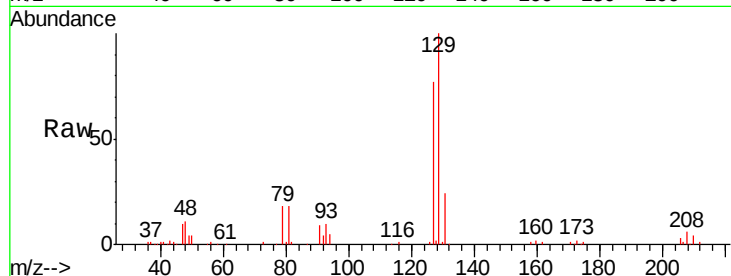
VN1012WBS01

Tgt Ion:129 Resp: 154873

Ion Ratio Lower Upper

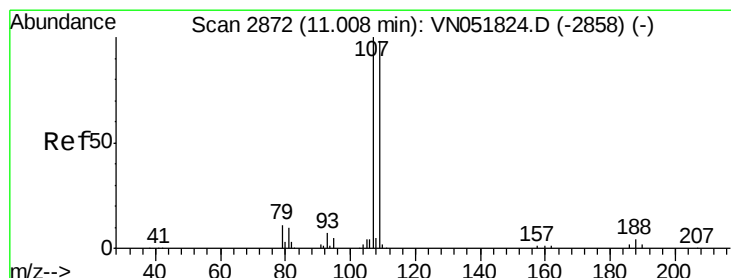
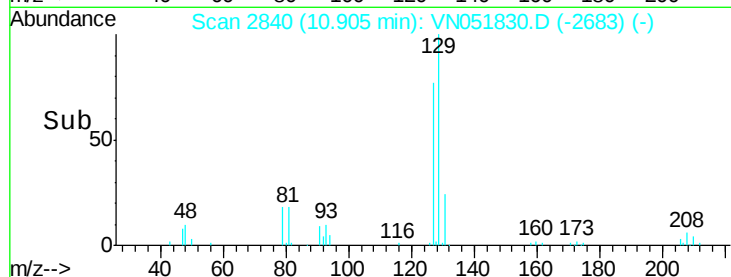
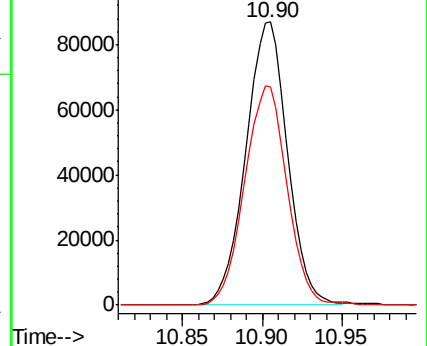
129 100

127 78.6 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.12 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051830.D

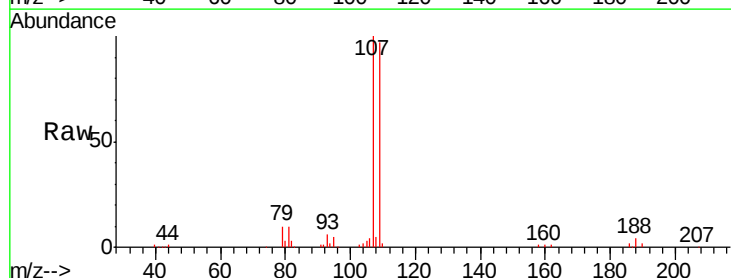
Acq: 12 Oct 2018 14:12

Tgt Ion:107 Resp: 140861

Ion Ratio Lower Upper

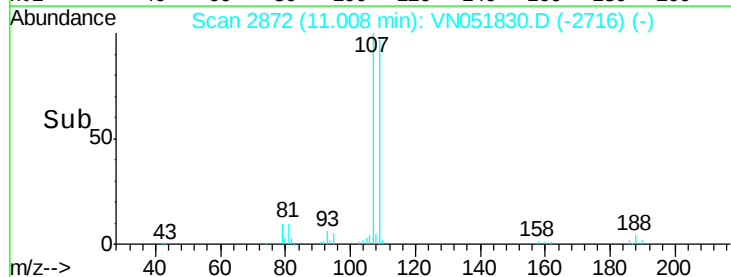
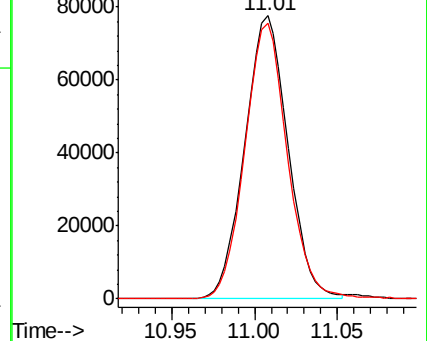
107 100

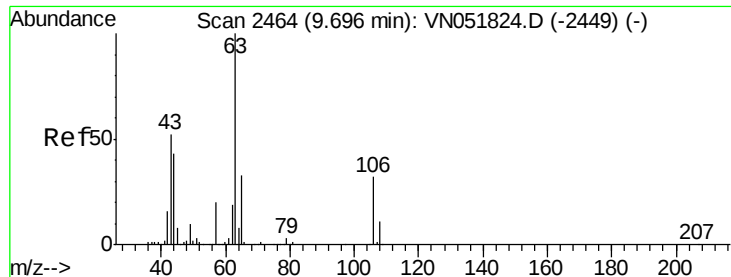
109 95.9 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

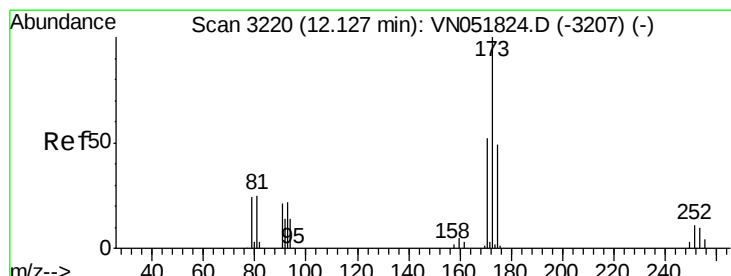
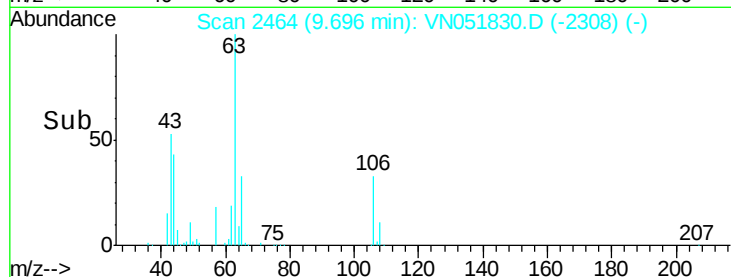
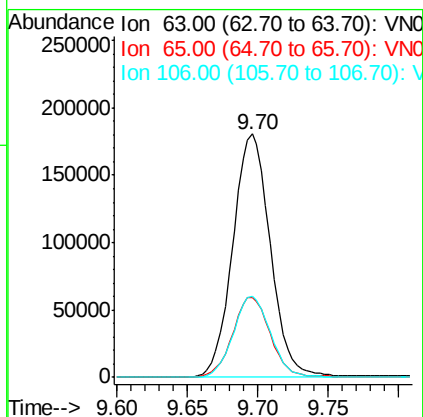
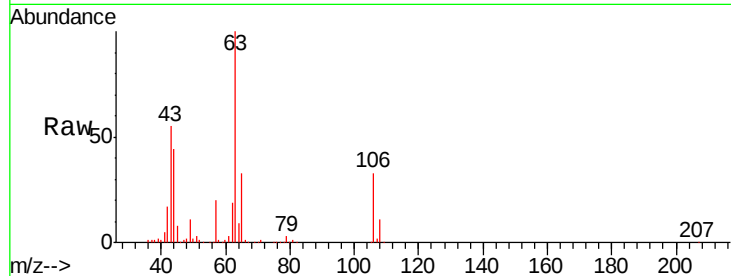




#55
 2-Chloroethyl vinyl ether
 Concen: 98.20 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

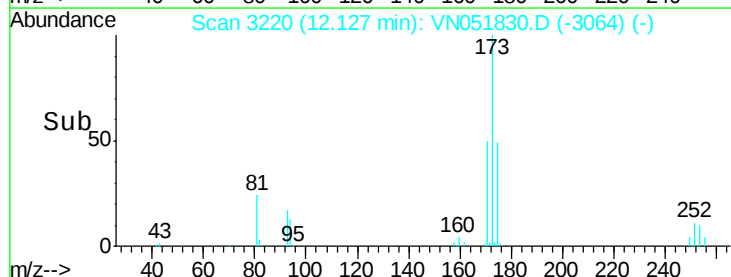
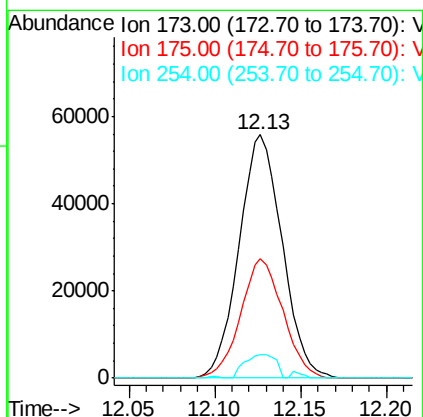
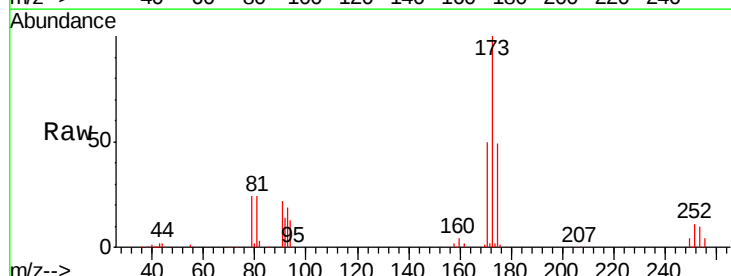
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

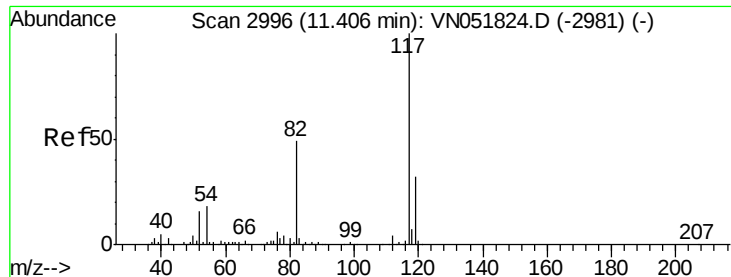
Tgt Ion: 63 Resp: 337413
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.4 38.0
 106 33.1 21.2 31.8#



#56
 Bromoform
 Concen: 17.00 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 173 Resp: 97365
 Ion Ratio Lower Upper
 173 100
 175 47.9 35.8 53.8
 254 6.9 8.6 13.0#

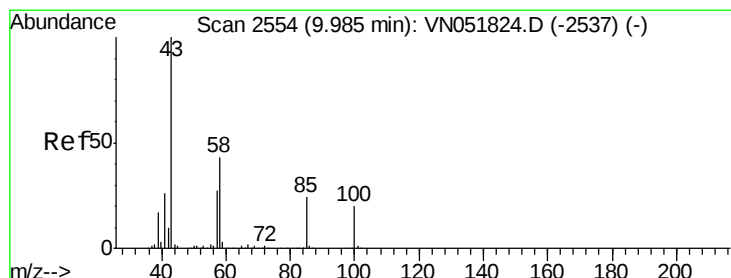
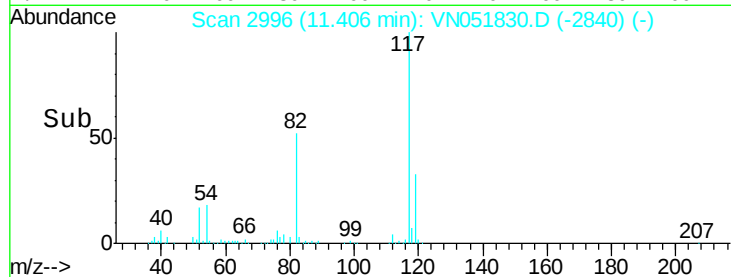
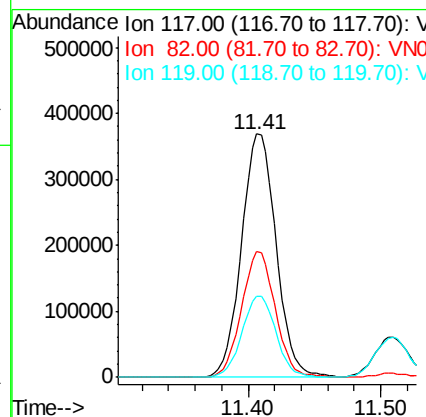
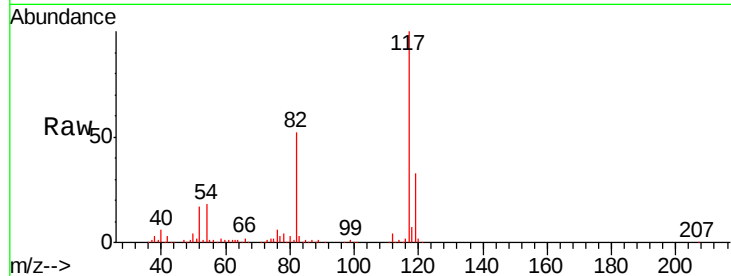




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

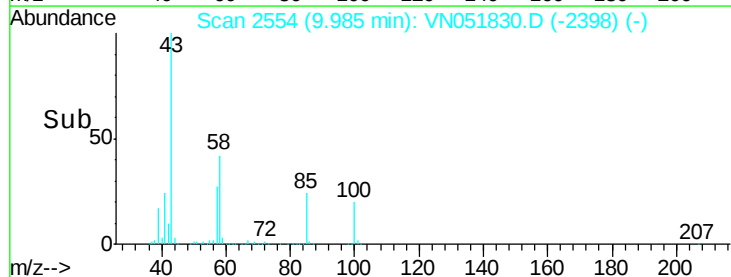
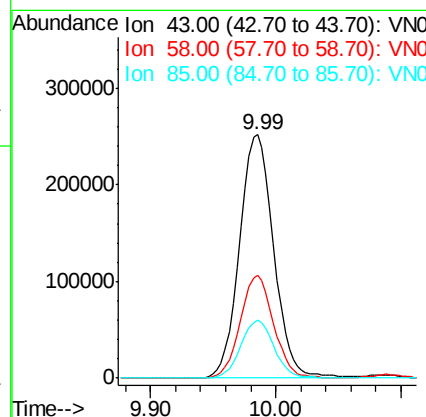
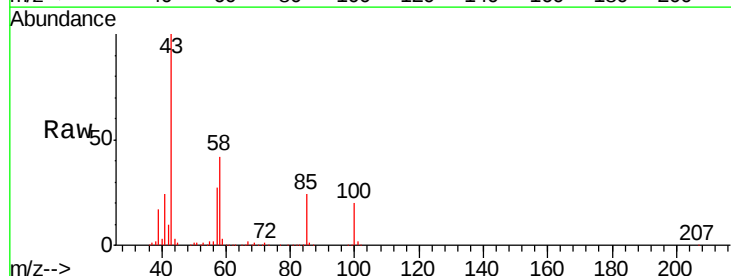
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

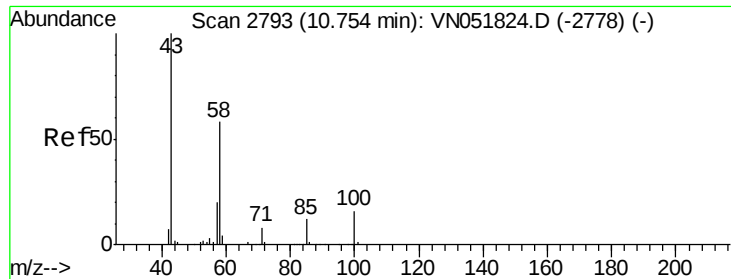
Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.6	44.1	66.1
119	32.8	25.8	38.8



#58
4-Methyl-2-Pentanone
Concen: 105.86 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	29.3	43.9
85	23.3	12.6	18.8

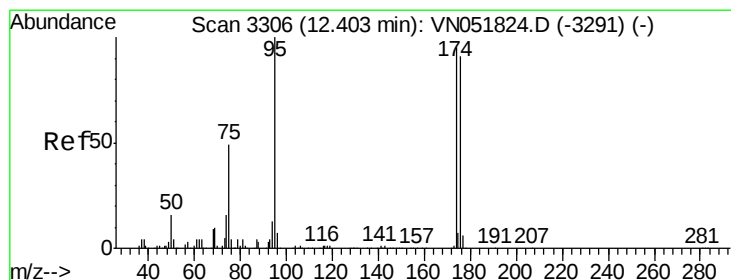
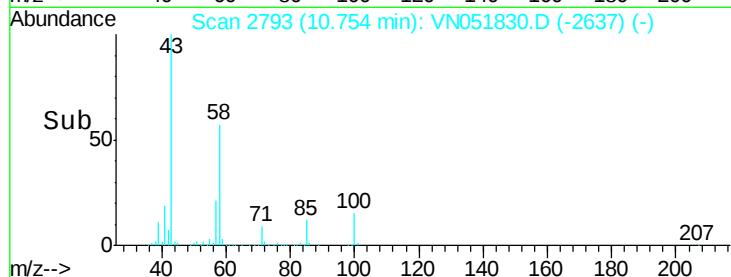
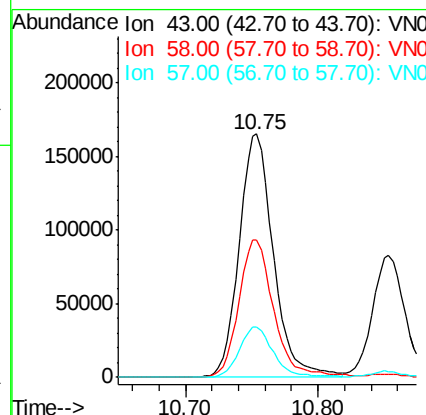
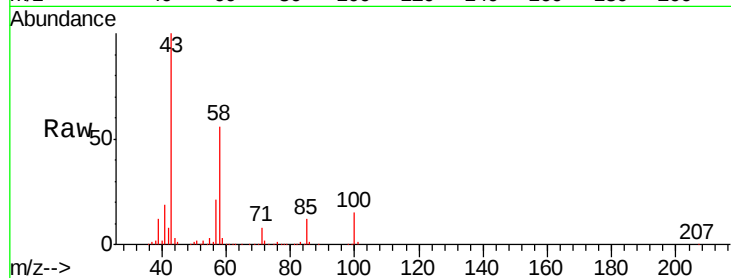




#59
2-Hexanone
Concen: 97.92 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

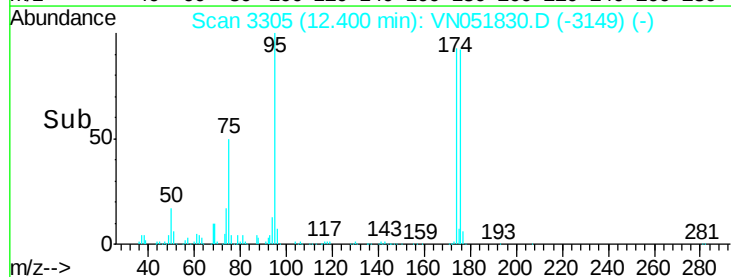
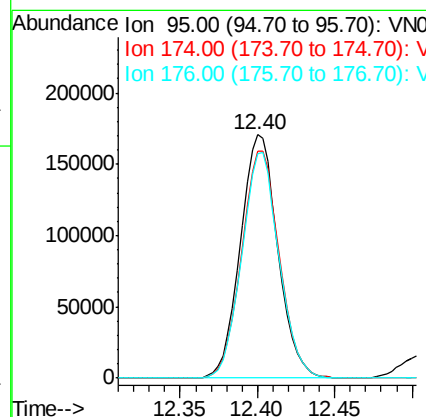
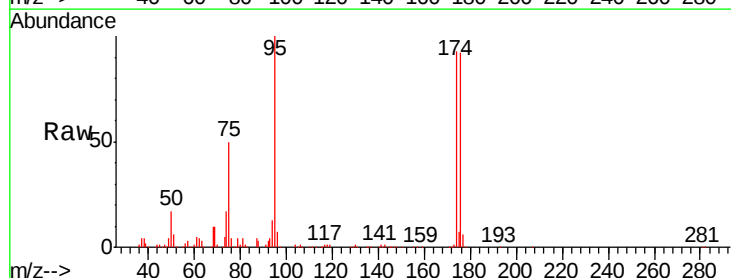
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

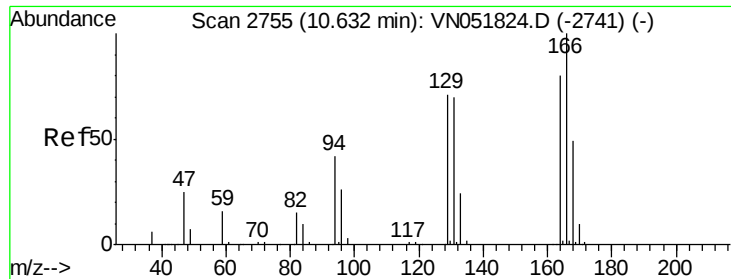
Tgt Ion: 43 Resp: 296337
Ion Ratio Lower Upper
43 100
58 57.8 41.3 61.9
57 20.7 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 97.92 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion: 95 Resp: 286248
Ion Ratio Lower Upper
95 100
174 94.2 73.5 110.3
176 92.3 70.2 105.2

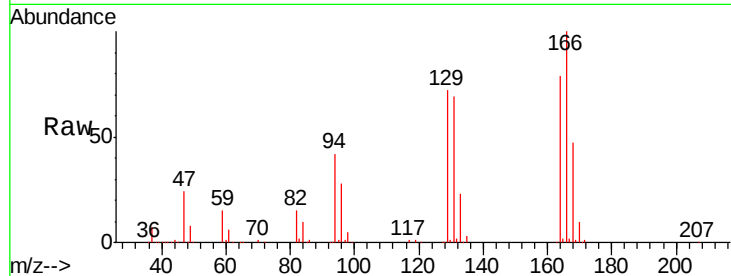




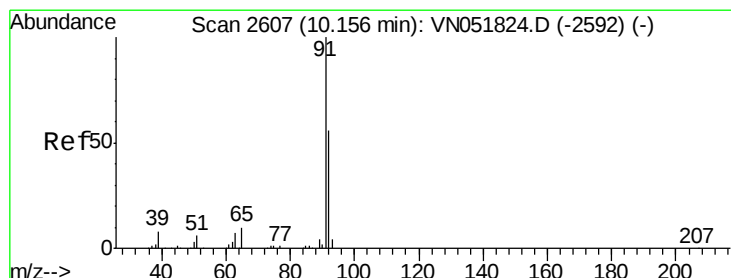
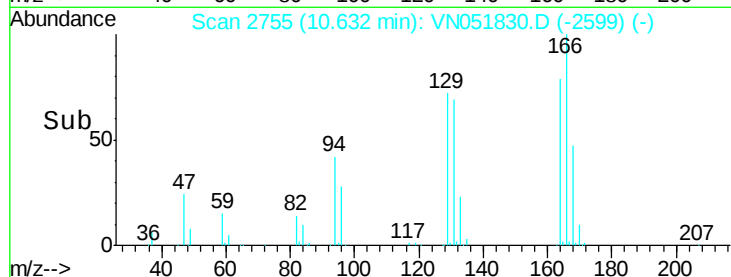
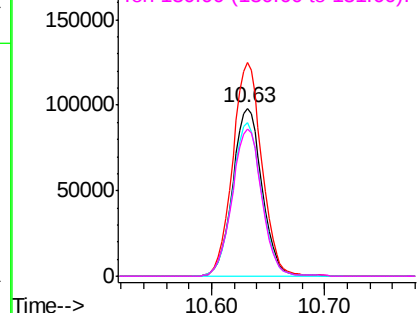
#61
Tetrachloroethene
Concen: 20.74 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion:164 Resp: 177761
Ion Ratio Lower Upper
164 100
166 126.9 98.7 148.1
129 90.9 69.6 104.4
131 87.8 72.4 108.6

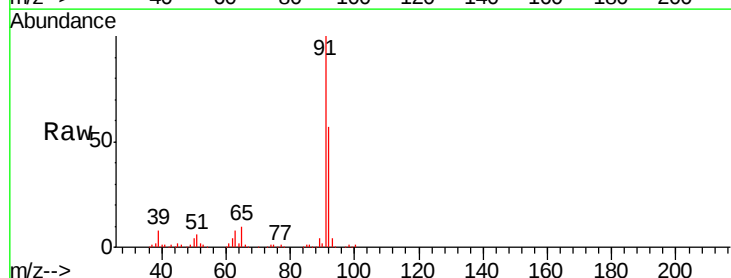


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

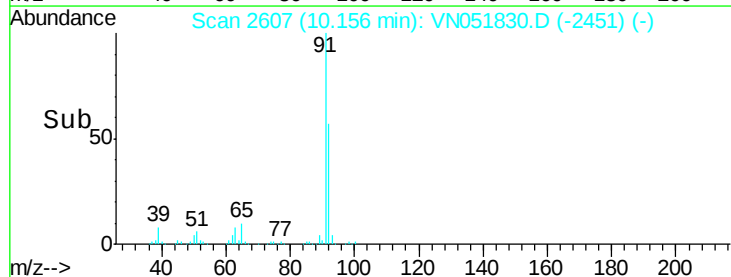
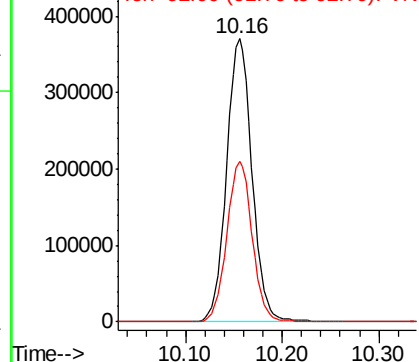


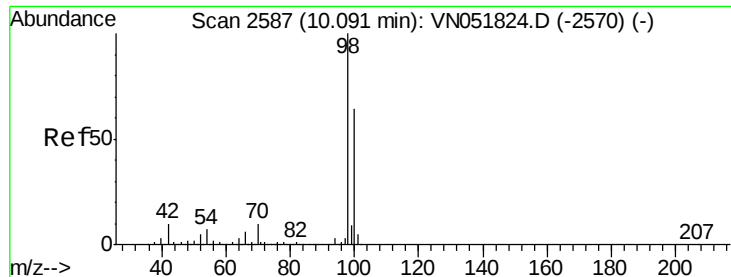
#62
Toluene
Concen: 20.32 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion: 91 Resp: 676841
Ion Ratio Lower Upper
91 100
92 56.4 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 20.32 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampled :

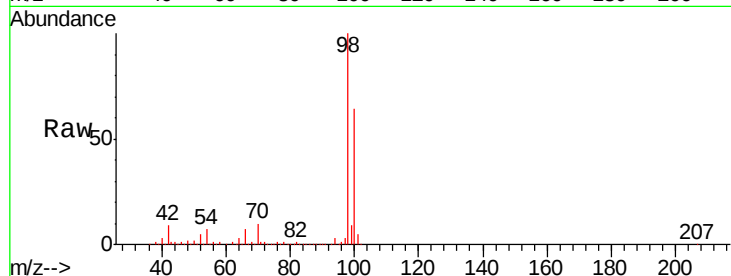
VN1012WBS01

Tgt Ion: 98 Resp: 907353

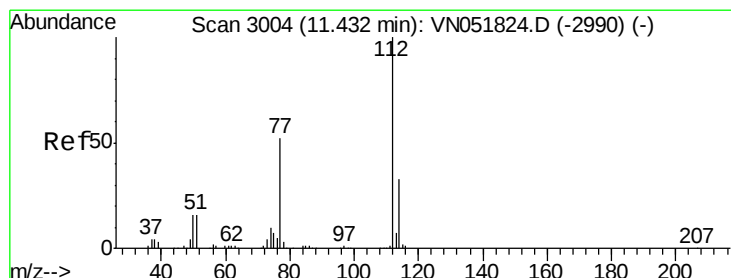
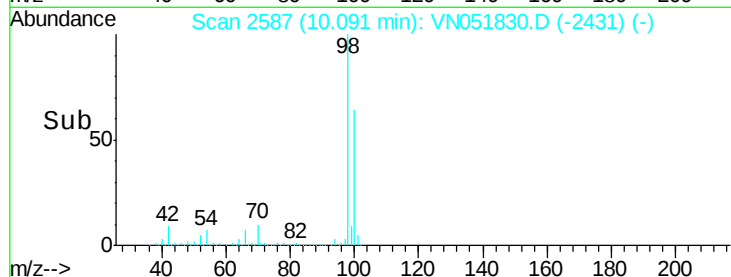
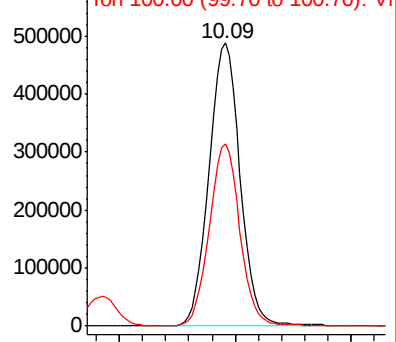
Ion Ratio Lower Upper

98 100

100 63.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051824.D (-2570) (-)



#64

Chlorobenzene

Concen: 19.88 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051830.D

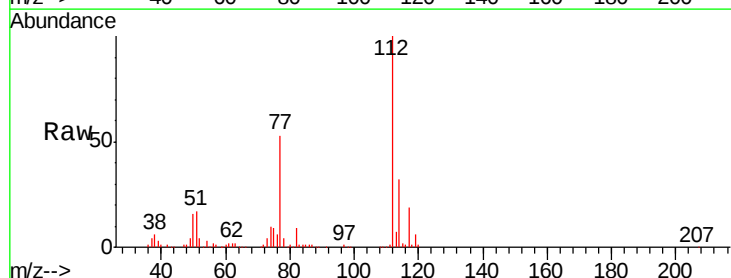
Acq: 12 Oct 2018 14:12

Tgt Ion: 112 Resp: 433511

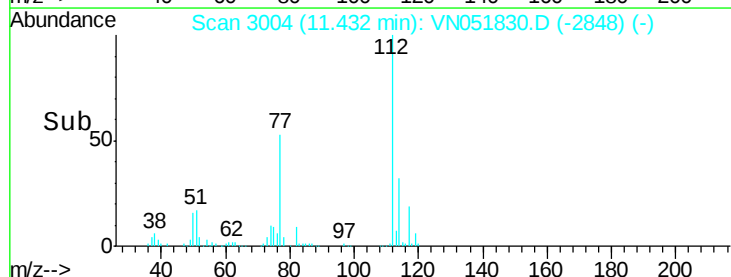
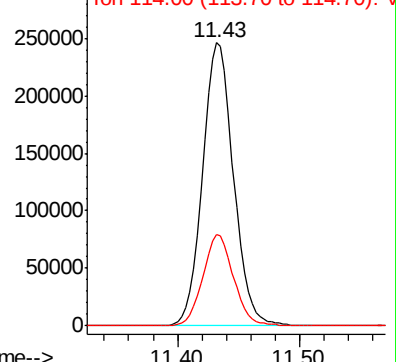
Ion Ratio Lower Upper

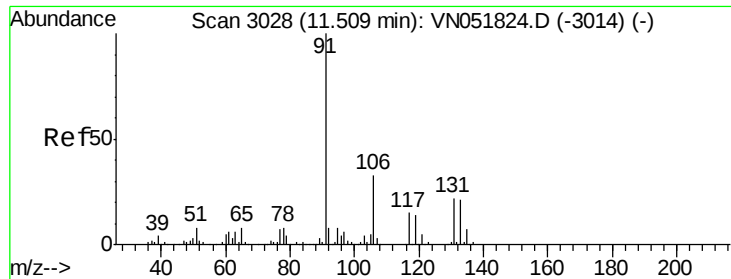
112 100

114 32.4 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051824.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.63 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampled :

VN1012WBS01

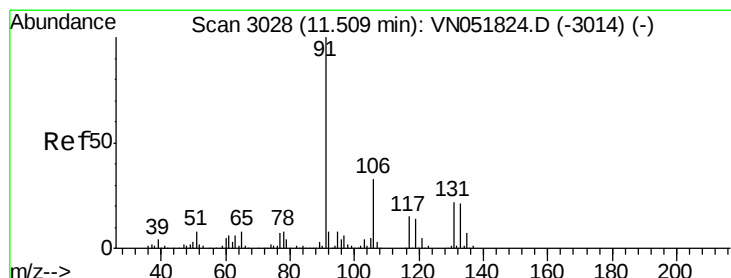
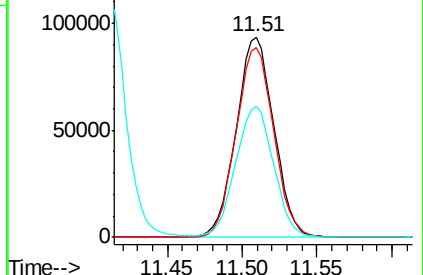
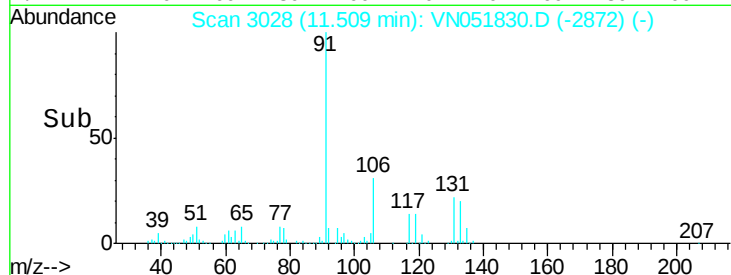
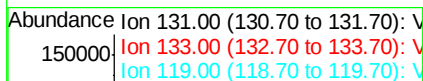
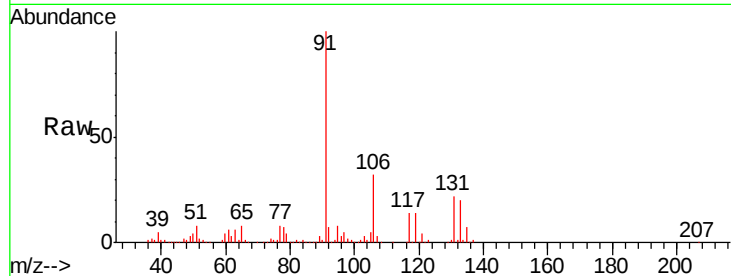
Tgt Ion:131 Resp: 164290

Ion Ratio Lower Upper

131 100

133 94.7 0.0 190.4

119 65.7 0.0 128.0



#66

Ethyl Benzene

Concen: 20.01 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051830.D

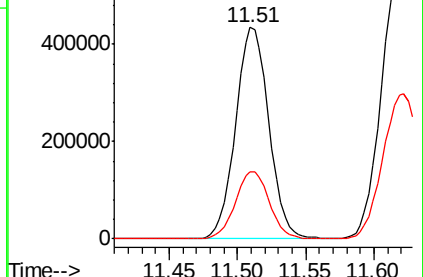
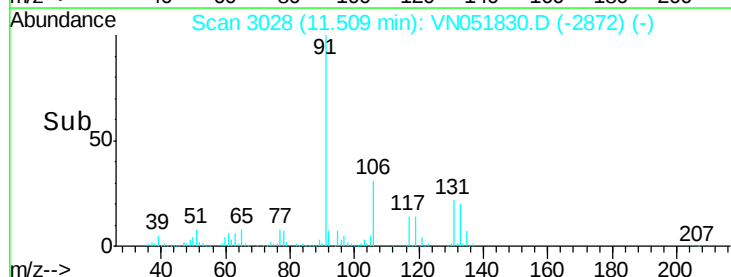
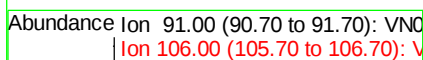
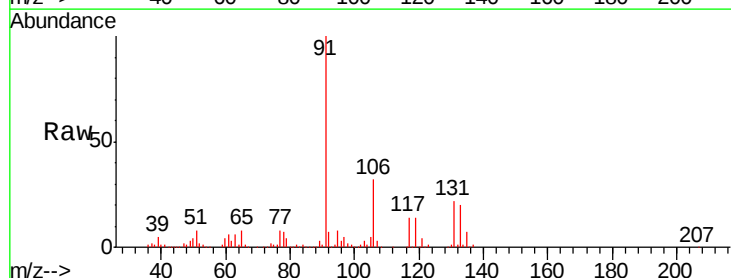
Acq: 12 Oct 2018 14:12

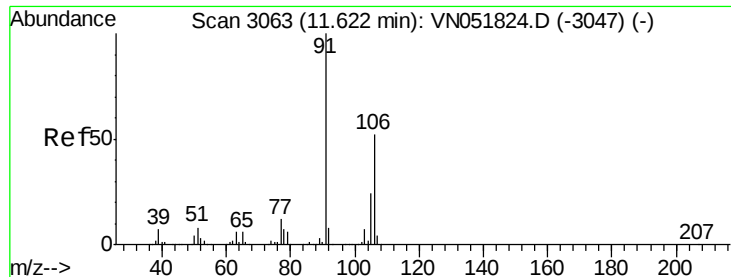
Tgt Ion: 91 Resp: 736405

Ion Ratio Lower Upper

91 100

106 32.0 25.9 38.9

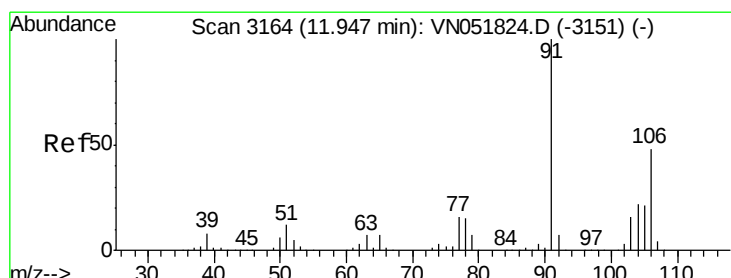
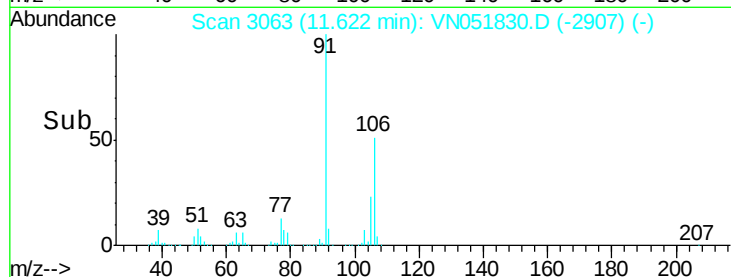
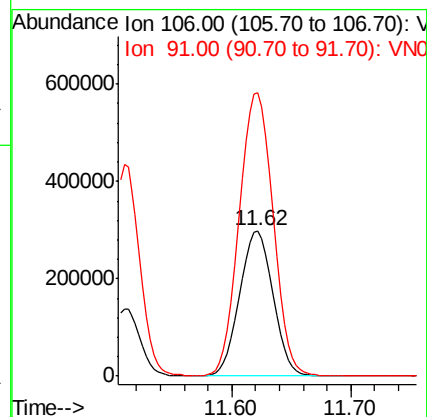
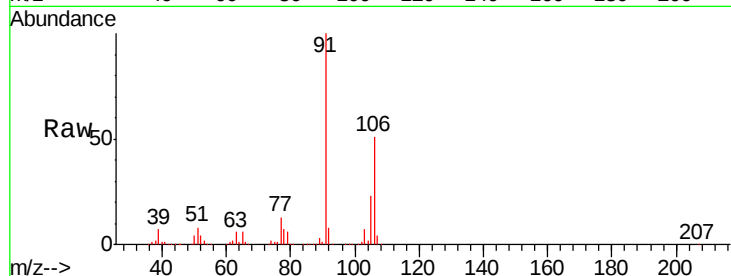




#67
m/p-Xylenes
Concen: 39.00 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

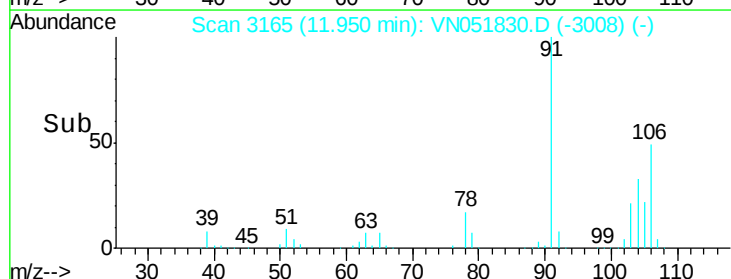
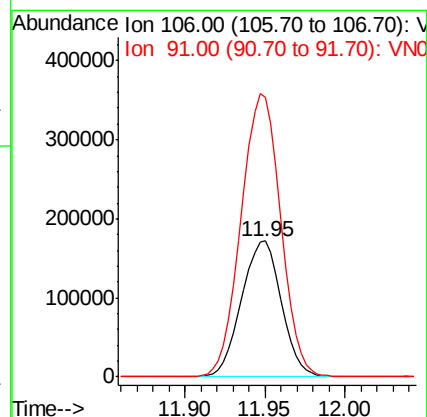
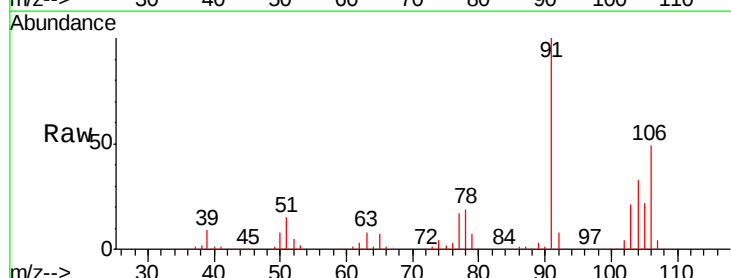
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

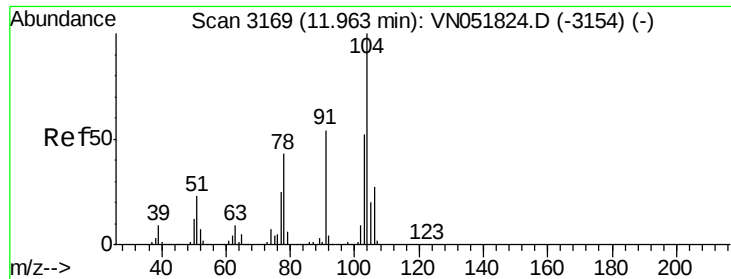
Tgt Ion:106 Resp: 581943
Ion Ratio Lower Upper
106 100
91 197.7 158.8 238.2



#68
o-Xylene
Concen: 19.94 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion:106 Resp: 293370
Ion Ratio Lower Upper
106 100
91 206.6 111.1 333.3

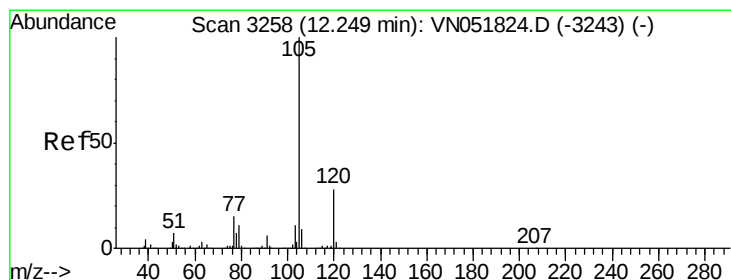
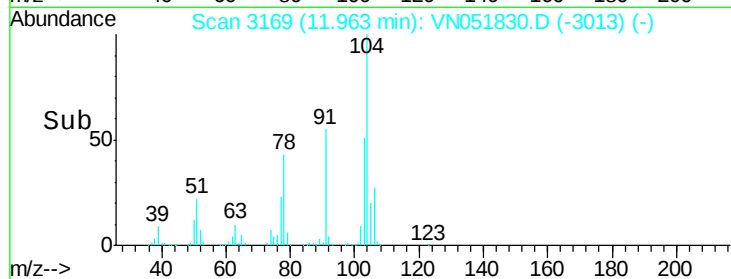
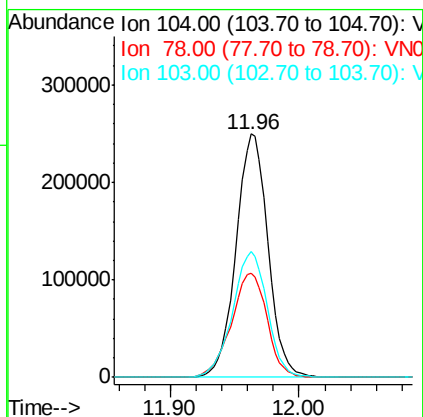
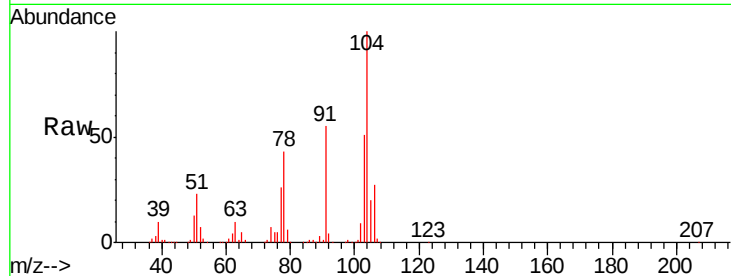




#69
Styrene
Concen: 19.06 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

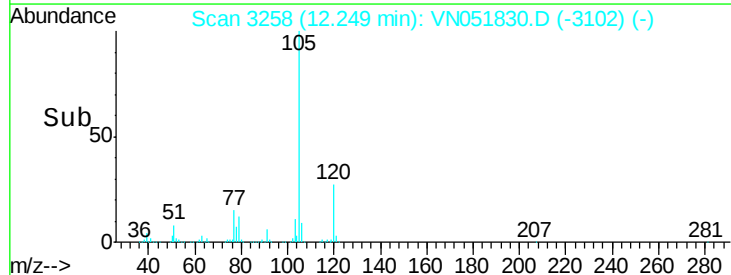
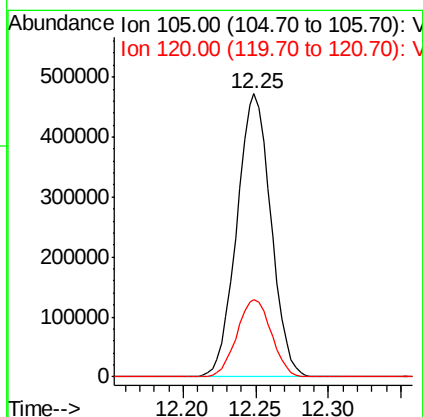
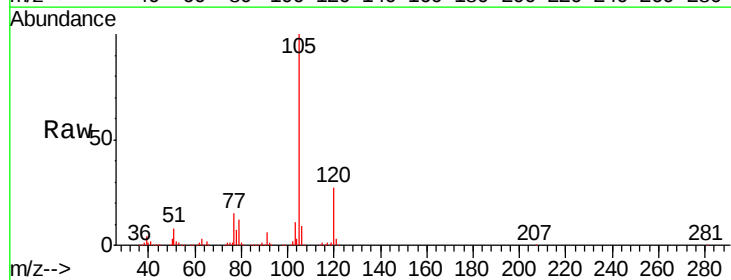
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

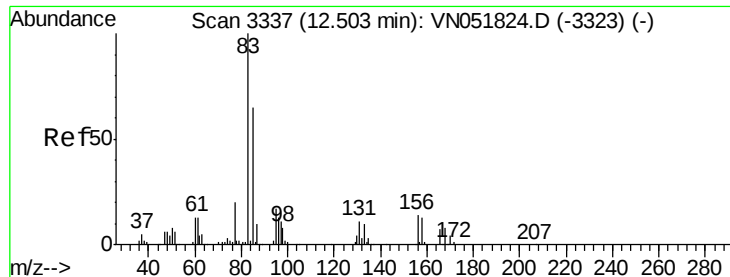
Tgt Ion:104 Resp: 430108
Ion Ratio Lower Upper
104 100
78 48.0 40.6 60.8
103 56.2 44.0 66.0



#70
Isopropylbenzene
Concen: 19.66 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion:105 Resp: 771102
Ion Ratio Lower Upper
105 100
120 27.6 19.0 35.4

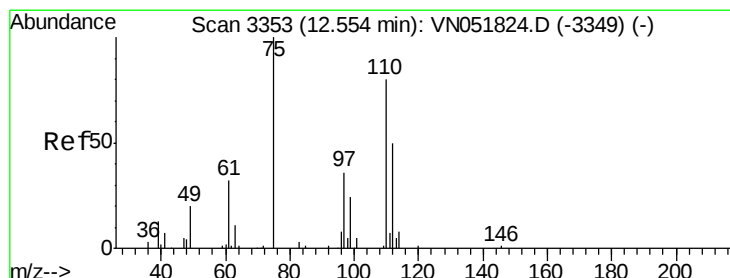
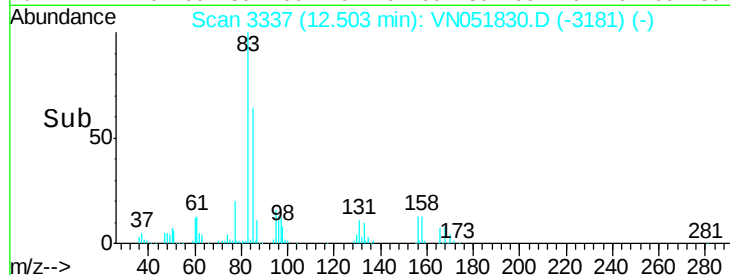
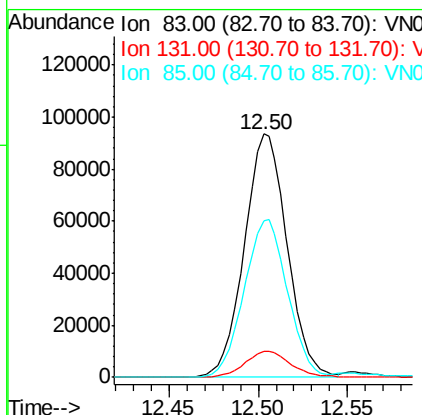
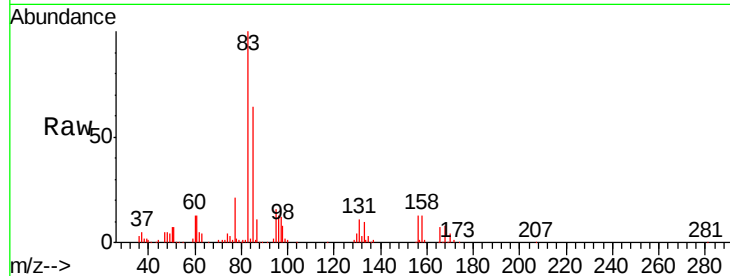




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.27 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

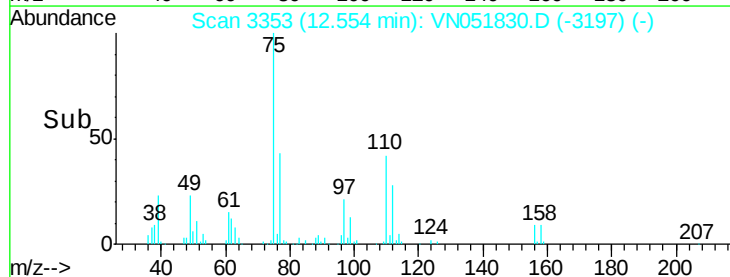
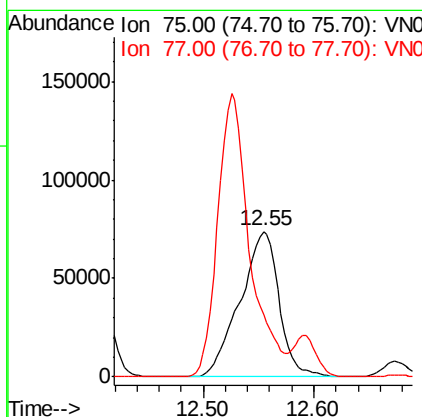
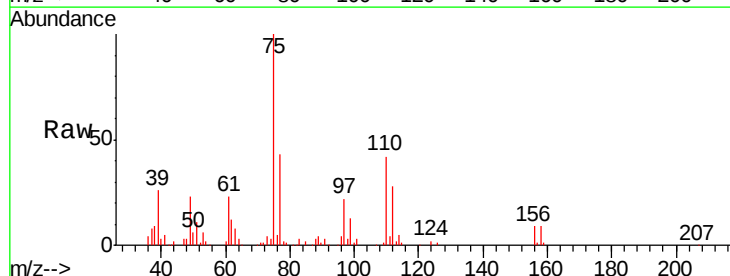
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

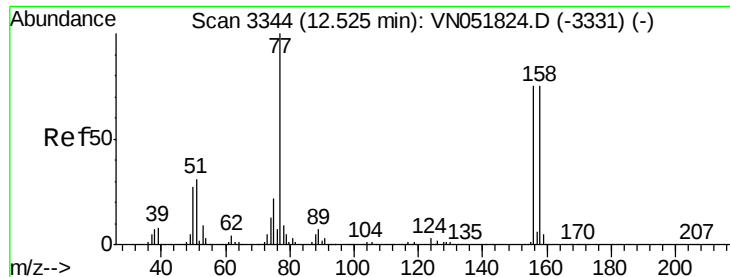
Tgt Ion: 83 Resp: 157023
 Ion Ratio Lower Upper
 83 100
 131 11.4 5.5 16.4
 85 65.5 30.6 91.8



#72
 1,2,3-Trichloropropane
 Concen: 29.79 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 75 Resp: 181568
 Ion Ratio Lower Upper
 75 100
 77 158.3 0.0 400.0





#73

Bromobenzene

Concen: 19.16 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

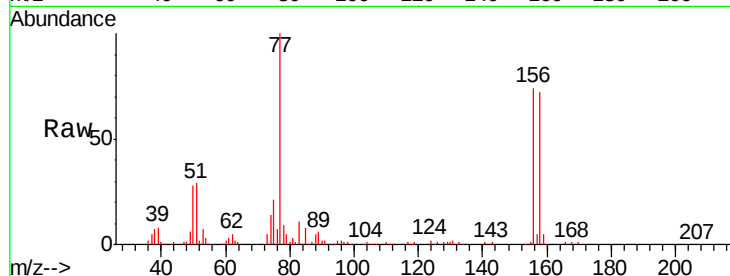
Tgt Ion:156 Resp: 186153

Ion Ratio Lower Upper

156 100

77 154.4 0.0 377.4

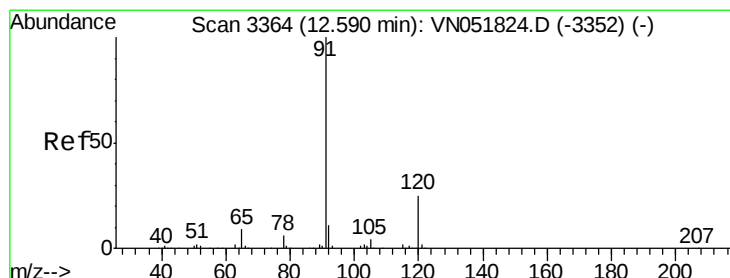
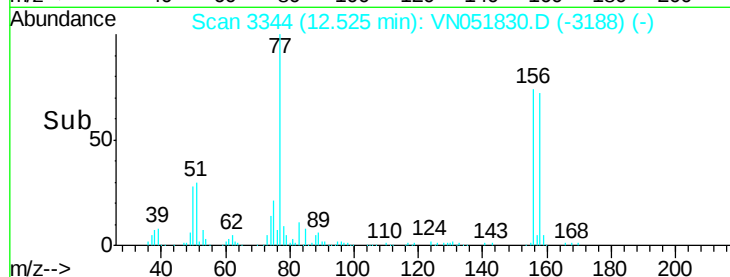
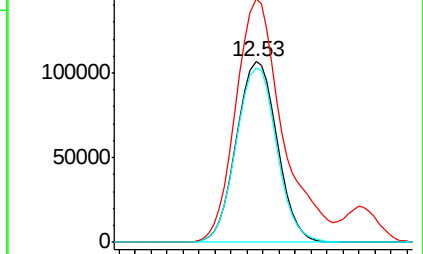
158 96.1 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.71 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051830.D

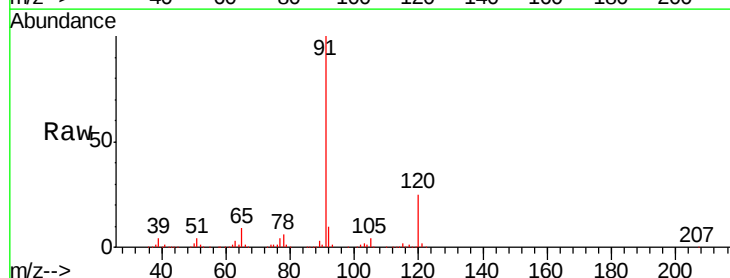
Acq: 12 Oct 2018 14:12

Tgt Ion: 91 Resp: 831731

Ion Ratio Lower Upper

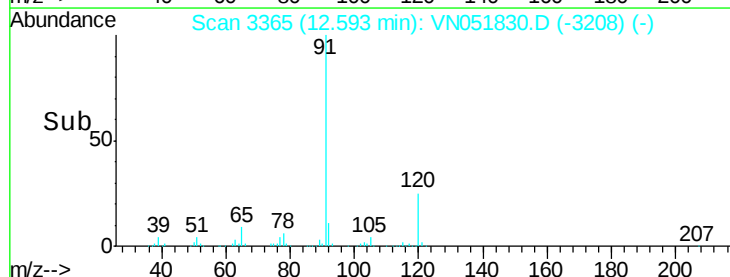
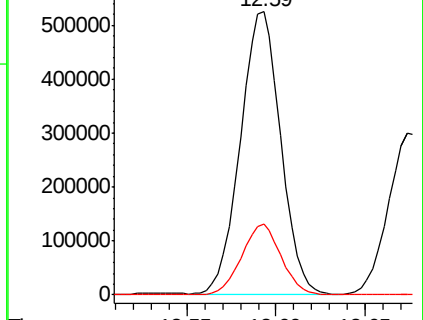
91 100

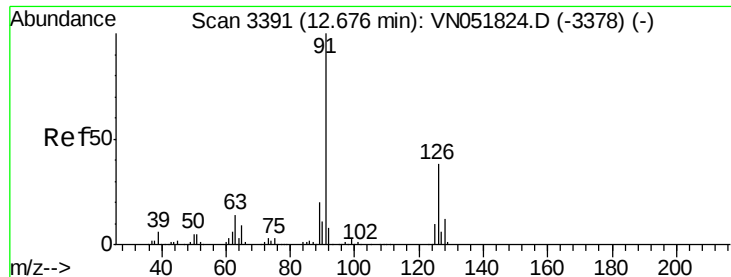
120 24.4 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.03 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

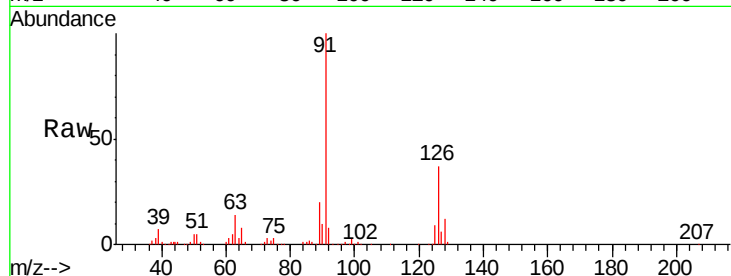
VN1012WBS01

Tgt Ion: 91 Resp: 495528

Ion Ratio Lower Upper

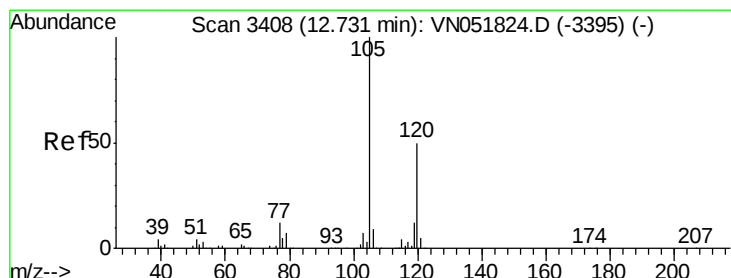
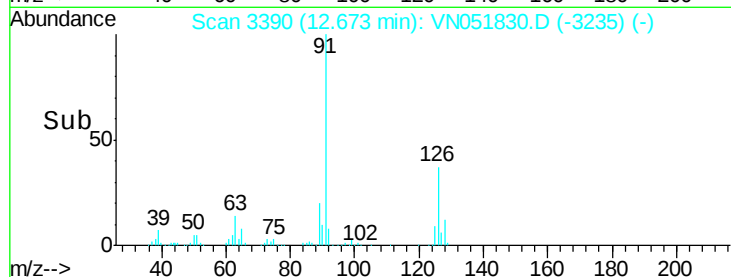
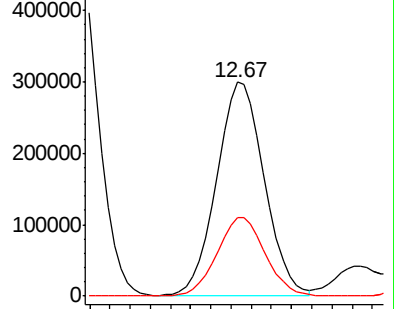
91 100

126 37.1 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051824.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.96 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051830.D

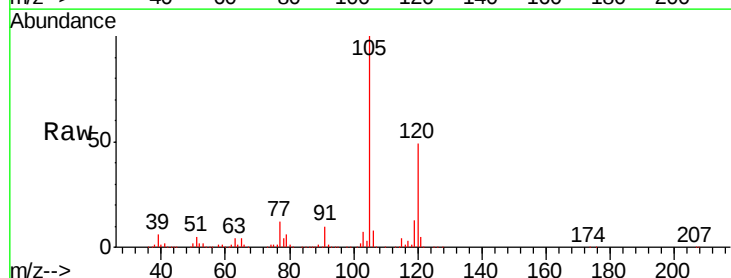
Acq: 12 Oct 2018 14:12

Tgt Ion: 105 Resp: 647491

Ion Ratio Lower Upper

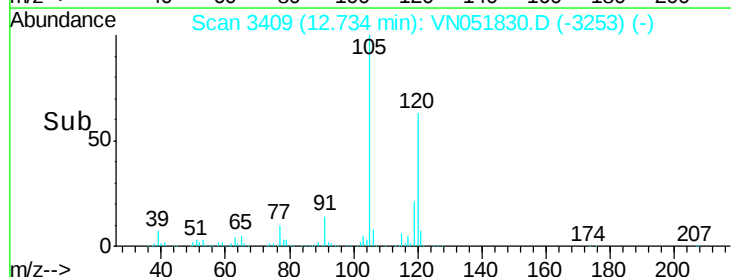
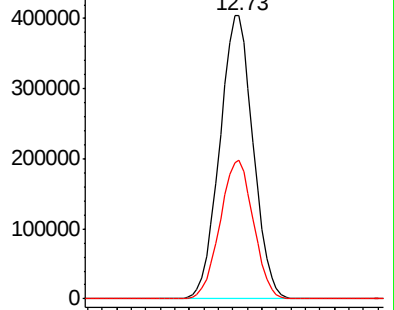
105 100

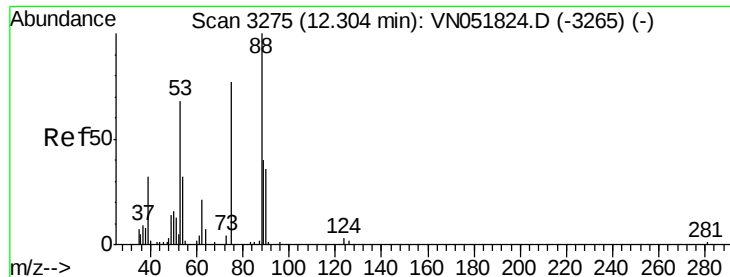
120 49.0 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051824.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051824.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 15.98 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

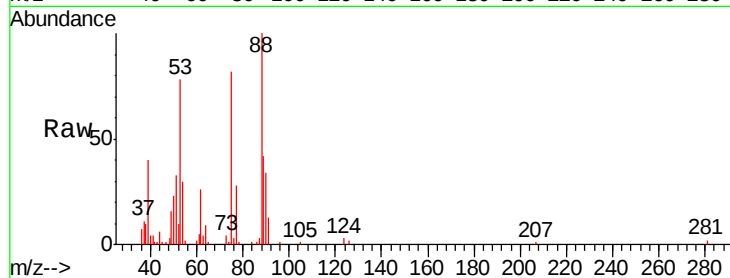
Tgt Ion: 75 Resp: 32199

Ion Ratio Lower Upper

75 100

53 95.1 46.3 138.9

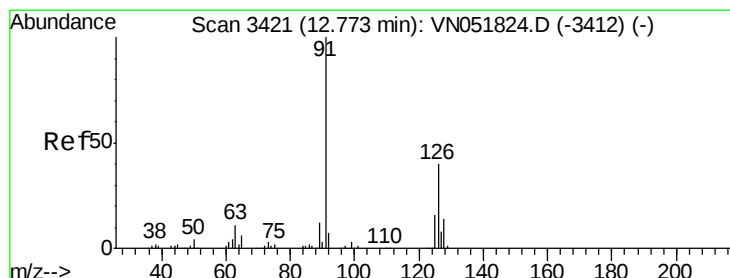
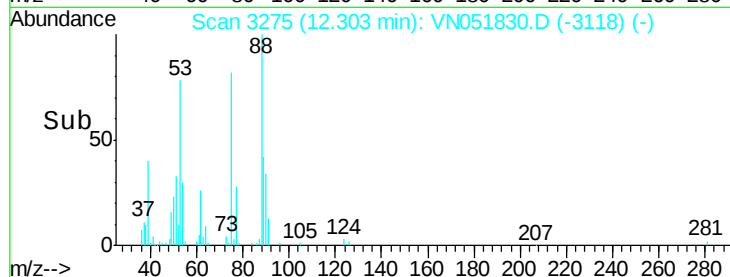
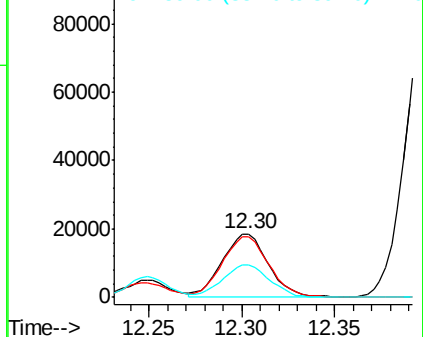
89 50.9 24.6 73.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.43 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051830.D

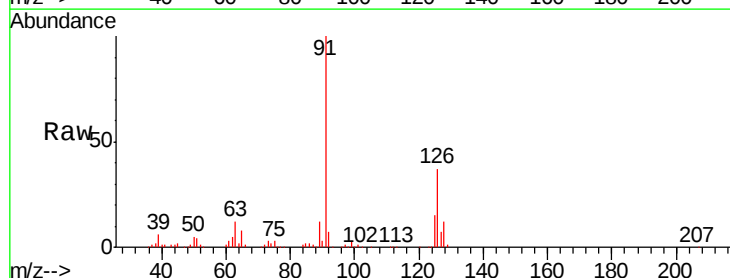
Acq: 12 Oct 2018 14:12

Tgt Ion: 91 Resp: 472205

Ion Ratio Lower Upper

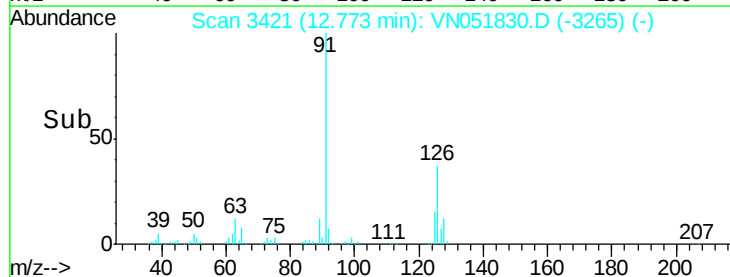
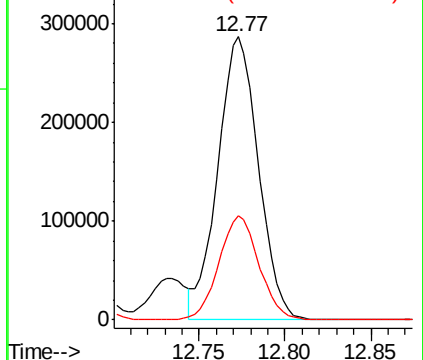
91 100

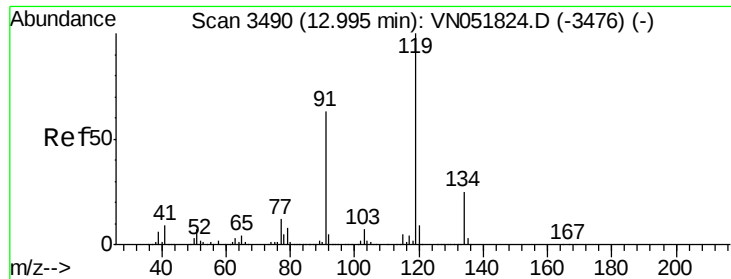
126 36.4 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

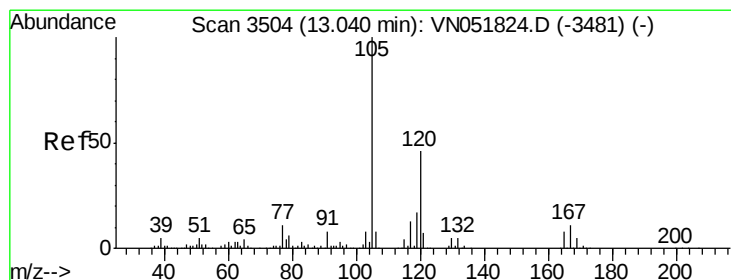
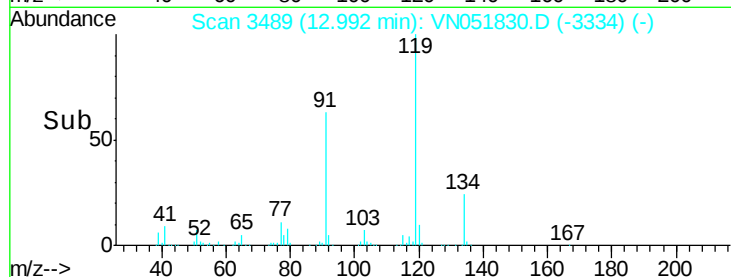
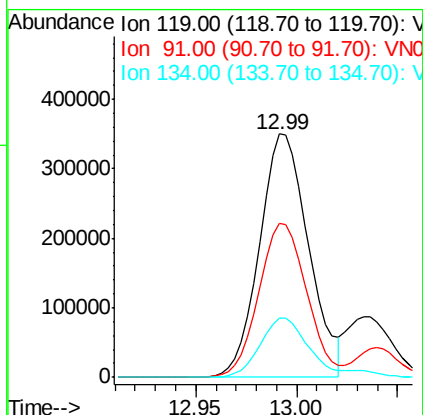
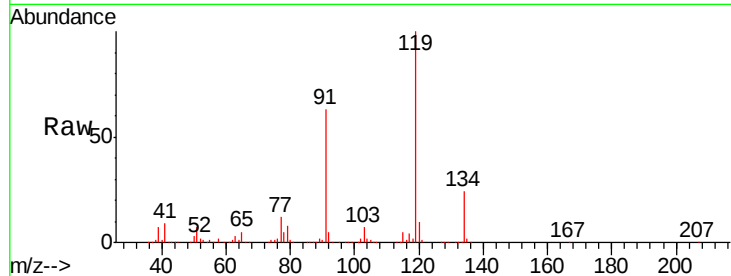




#79
tert-butylbenzene
Concen: 19.90 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

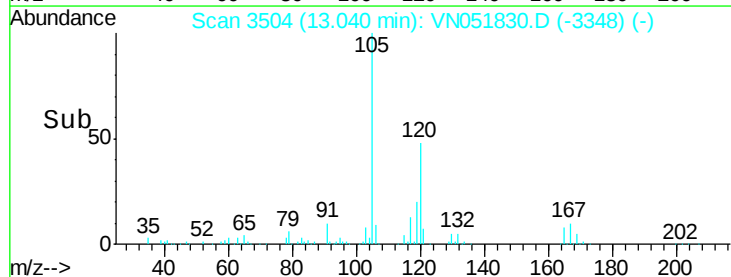
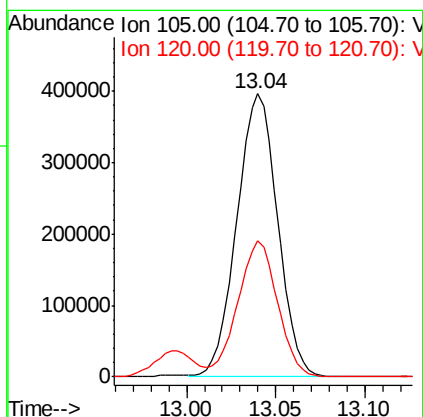
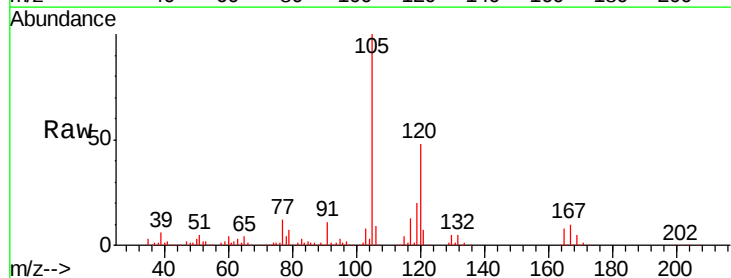
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

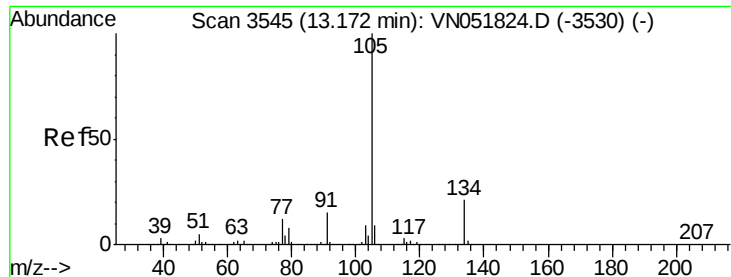
Tgt Ion:119 Resp: 593621
Ion Ratio Lower Upper
119 100
91 61.7 0.0 131.6
134 24.0 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 19.60 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion:105 Resp: 635507
Ion Ratio Lower Upper
105 100
120 46.6 0.0 89.6

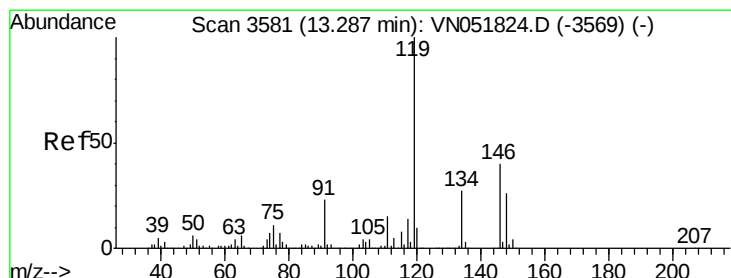
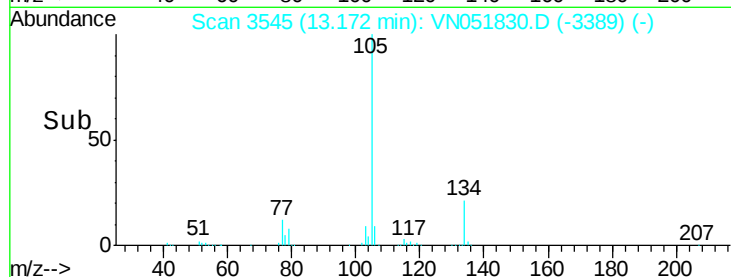
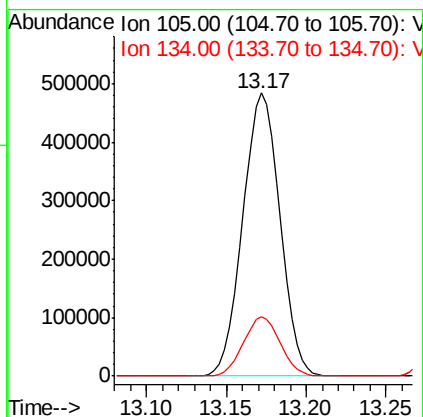
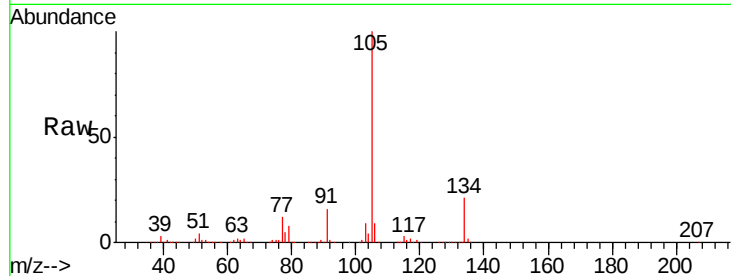




#81
 sec-Butylbenzene
 Concen: 19.66 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

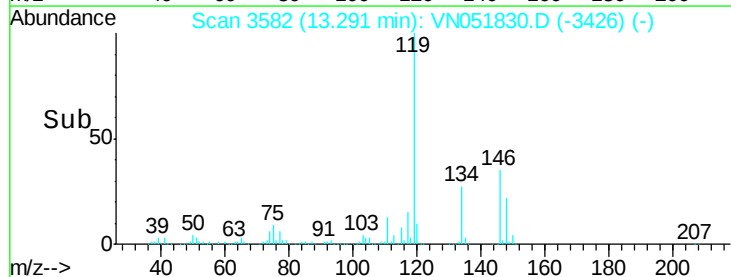
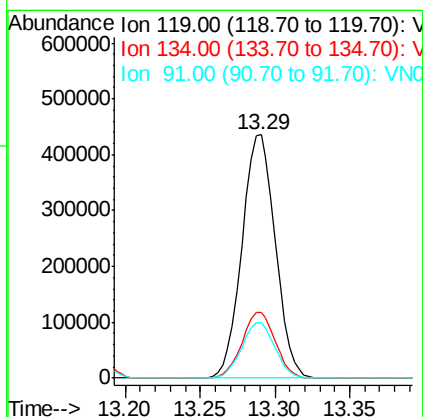
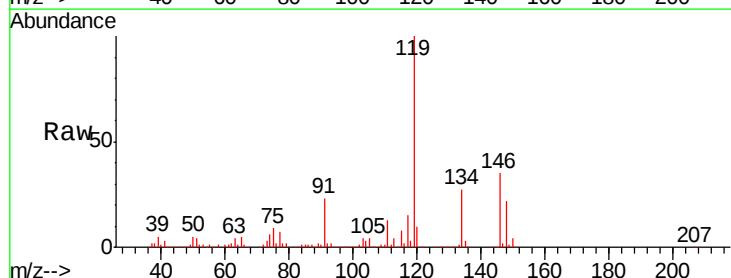
Instrument :
 MSVOA_N
 ClientSampled :
 VN1012WBS01

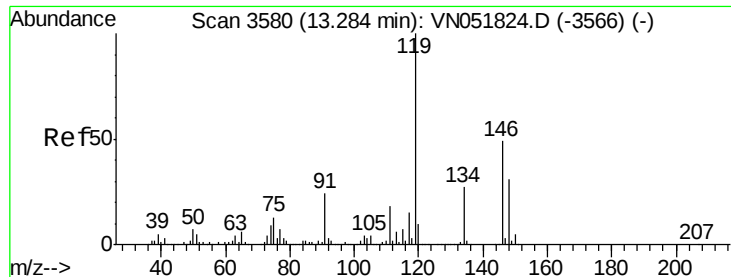
Tgt Ion:105 Resp: 767366
 Ion Ratio Lower Upper
 105 100
 134 20.8 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 19.39 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion:119 Resp: 677181
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 53.6
 91 22.7 0.0 52.0

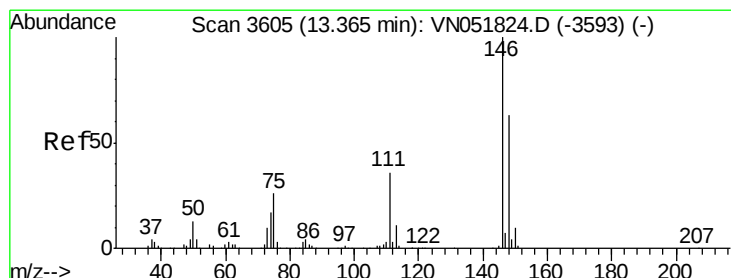
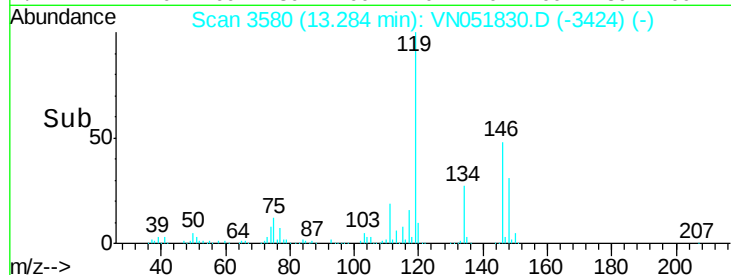
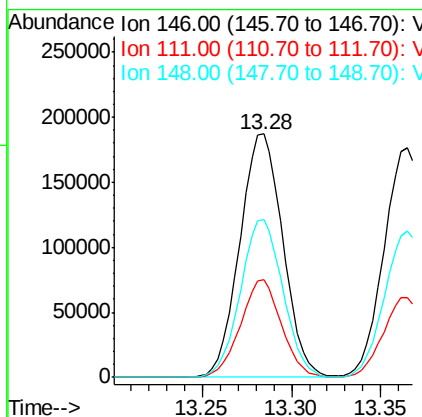
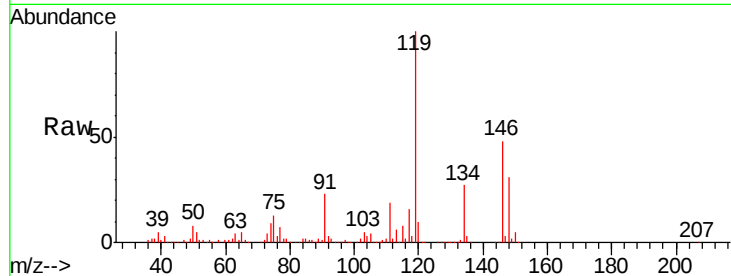




#83
 1,3-Dichlorobenzene
 Concen: 18.46 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

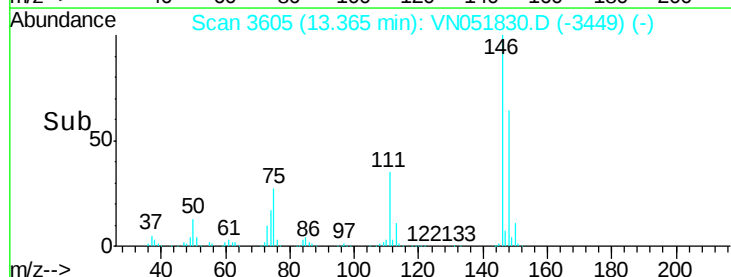
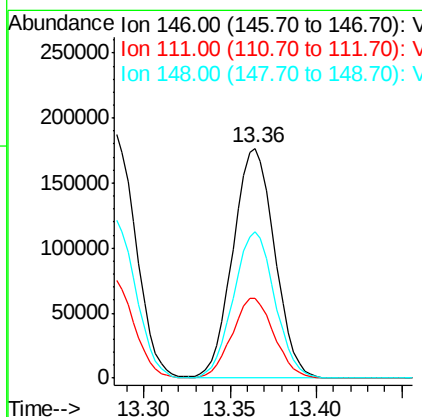
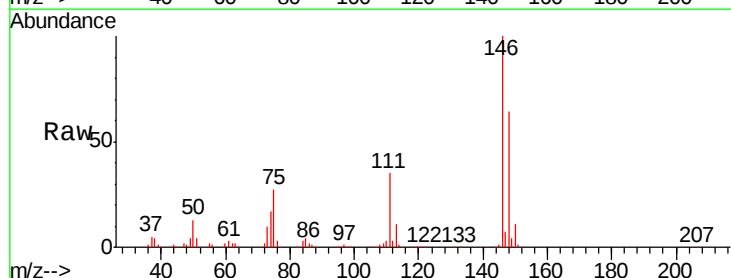
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

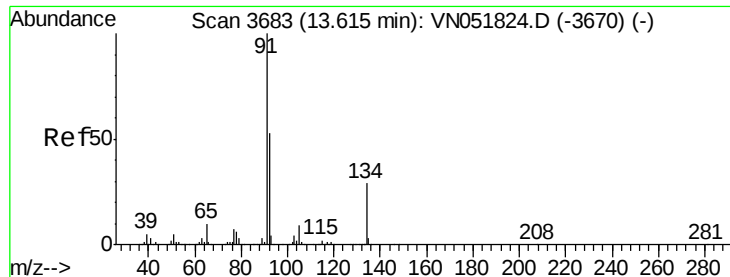
Tgt Ion:146 Resp: 316455
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.1 54.3
 148 63.9 31.3 93.8



#84
 1,4-Dichlorobenzene
 Concen: 18.40 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion:146 Resp: 296920
 Ion Ratio Lower Upper
 146 100
 111 34.8 17.4 52.2
 148 63.3 32.8 98.3





#85

n-Butylbenzene

Concen: 18.98 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051830.D

Acq: 12 Oct 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBS01

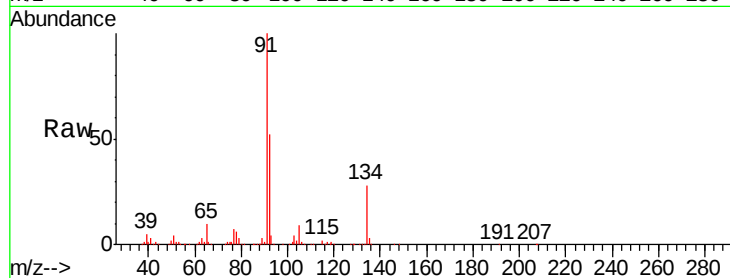
Tgt Ion: 91 Resp: 499700

Ion Ratio Lower Upper

91 100

92 50.9 0.0 97.4

134 28.1 0.0 49.6

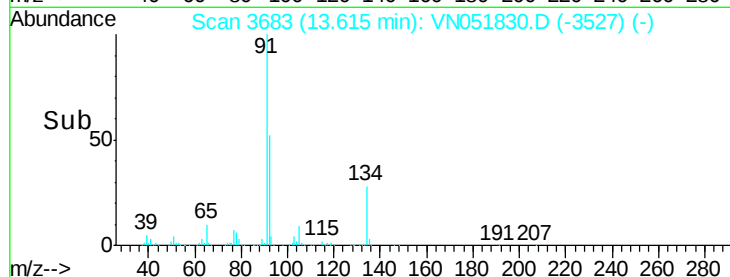


Abundance Ion 91.00 (90.70 to 91.70): VN0

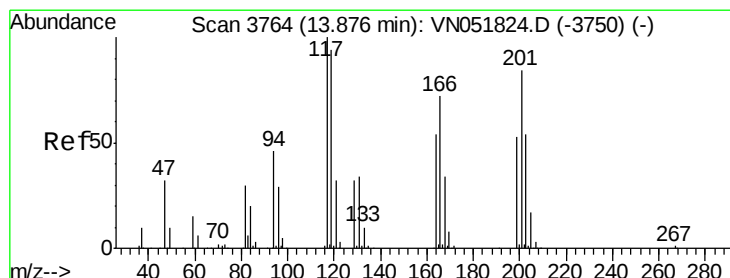
Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0

Time-->



Time-->



#86

Hexachloroethane

Concen: 18.40 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051830.D

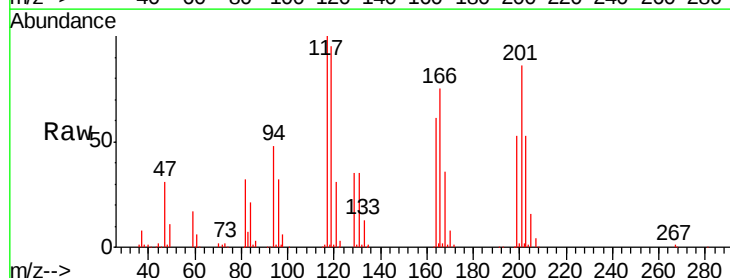
Acq: 12 Oct 2018 14:12

Tgt Ion: 117 Resp: 110768

Ion Ratio Lower Upper

117 100

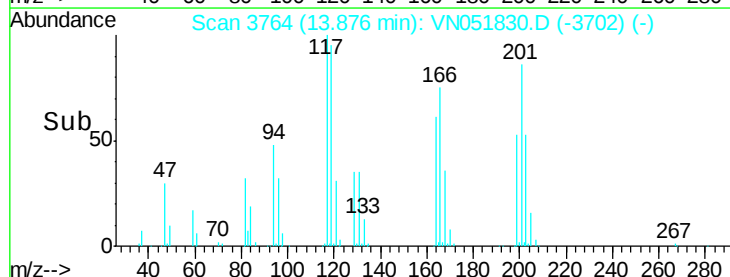
201 84.7 47.8 143.3



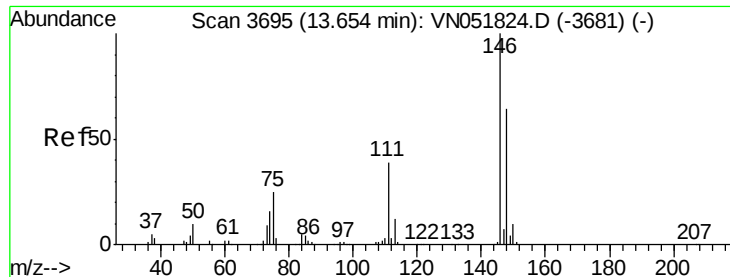
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

Time-->



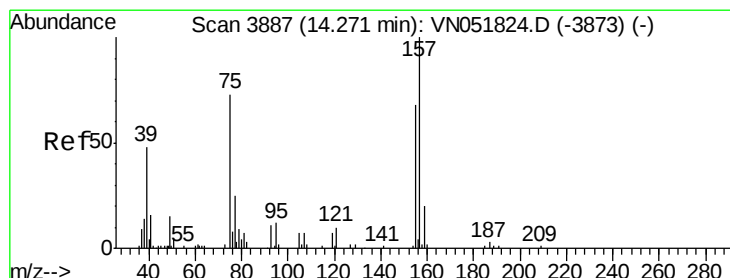
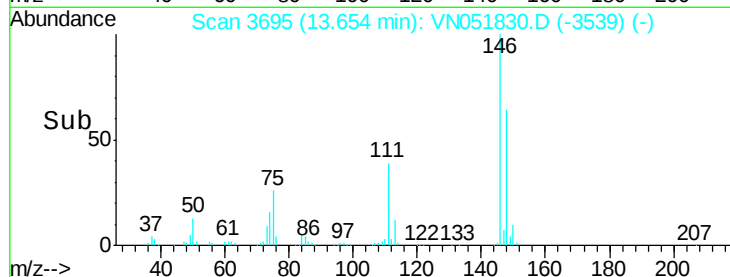
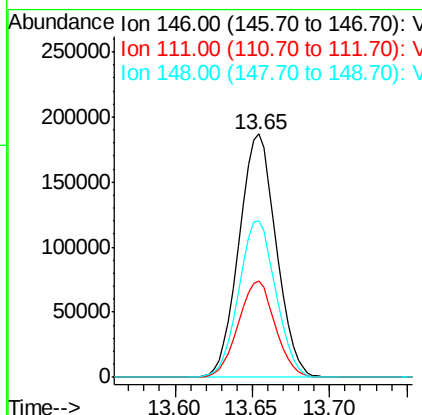
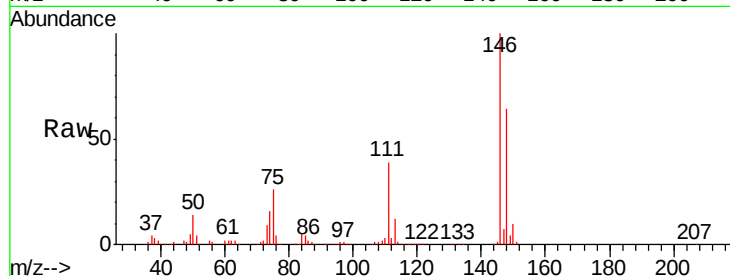
Time-->



#87
 1,2-Dichlorobenzene
 Concen: 18.87 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

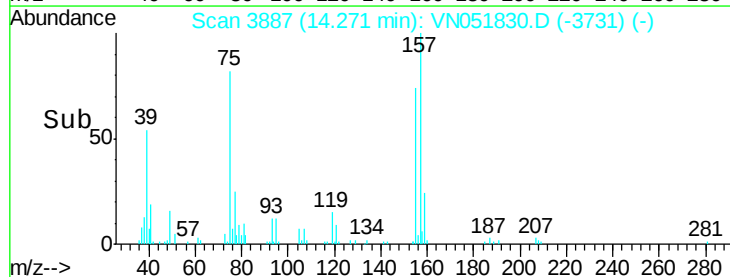
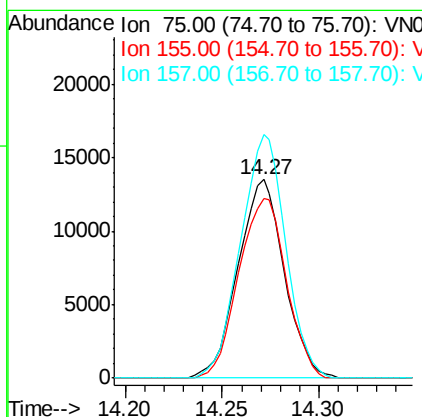
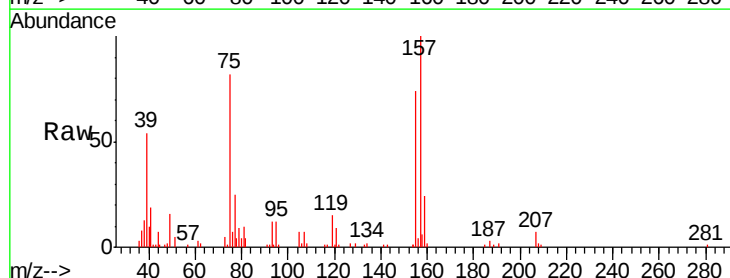
Instrument :
 MSVOA_N
 ClientSampled :
 VN1012WBS01

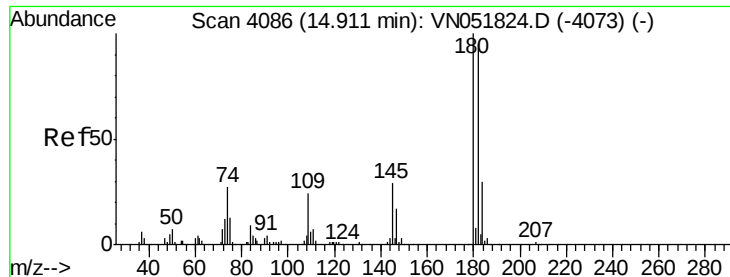
Tgt Ion:146 Resp: 313269
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.8 62.2
 148 64.0 33.2 99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.49 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion: 75 Resp: 22546
 Ion Ratio Lower Upper
 75 100
 155 92.4 57.0 85.6#
 157 119.4 87.4 131.0

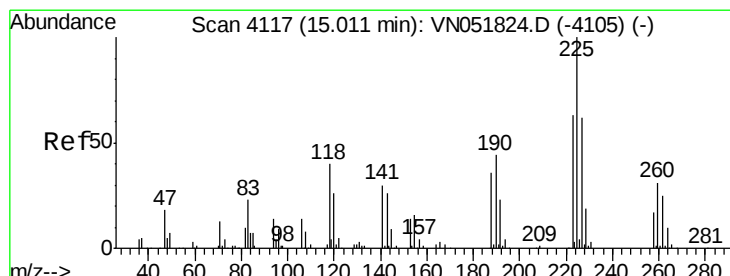
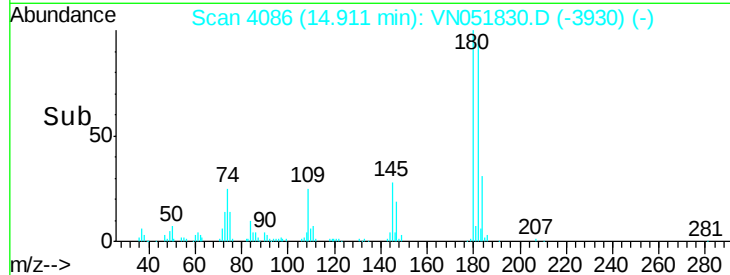
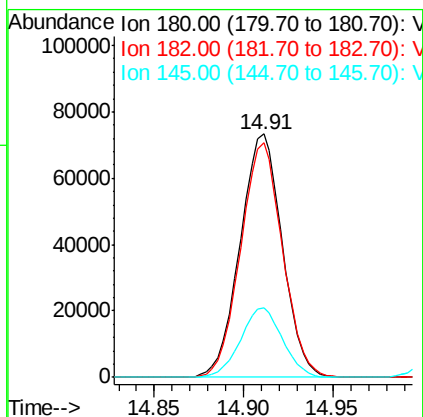
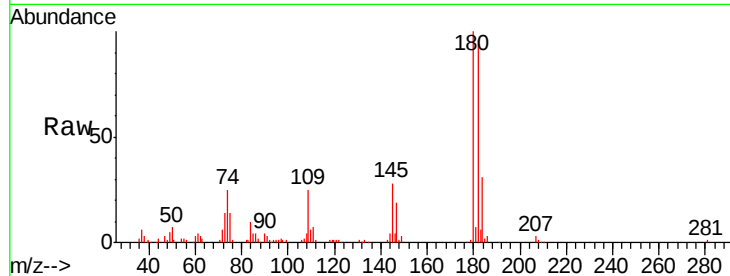




#89
 1,2,4-Trichlorobenzene
 Concen: 18.78 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

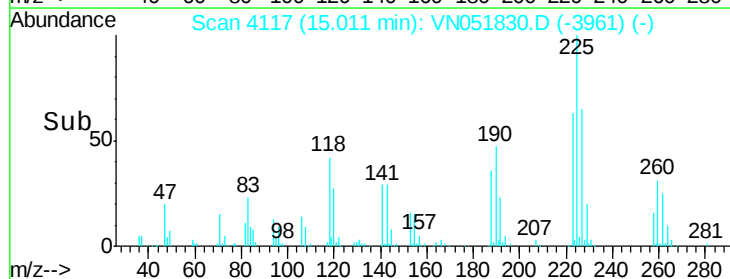
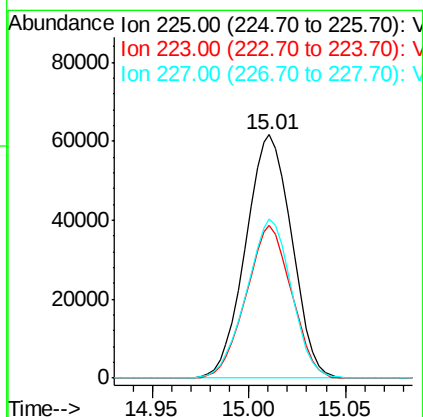
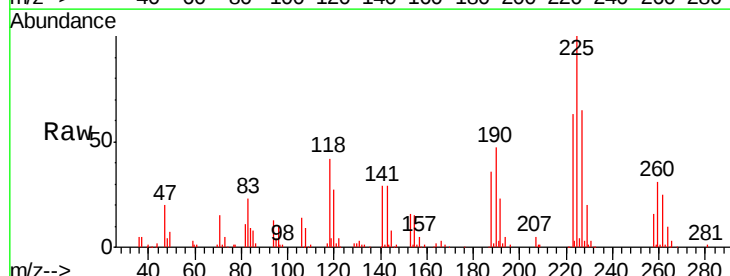
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

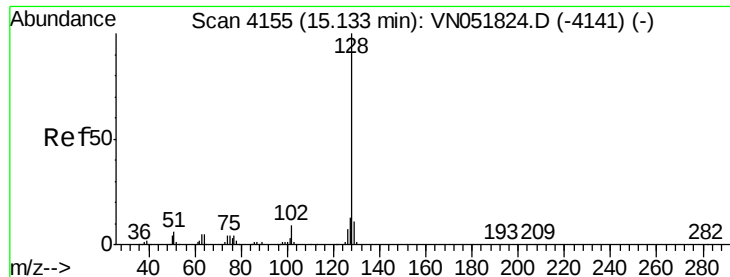
Tgt Ion:180 Resp: 121051
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.7 116.5
 145 28.5 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 19.15 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051830.D
 Acq: 12 Oct 2018 14:12

Tgt Ion:225 Resp: 102458
 Ion Ratio Lower Upper
 225 100
 223 61.5 0.0 117.0
 227 63.7 0.0 127.0

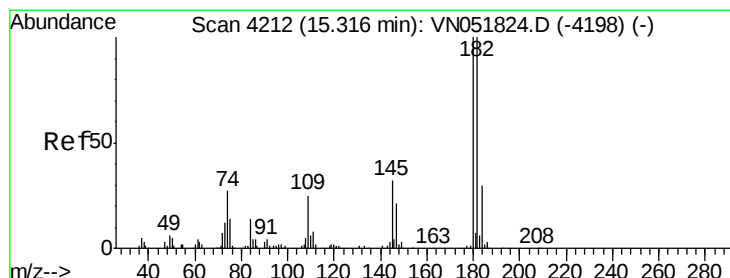
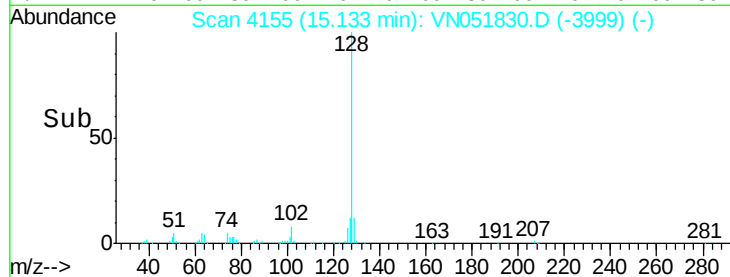
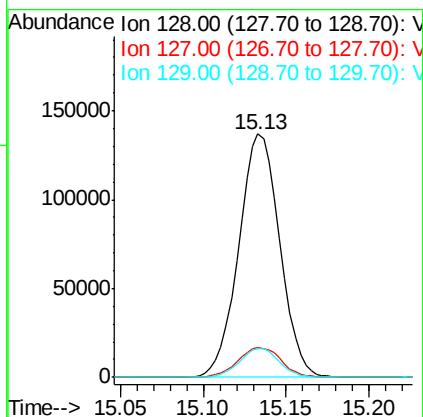
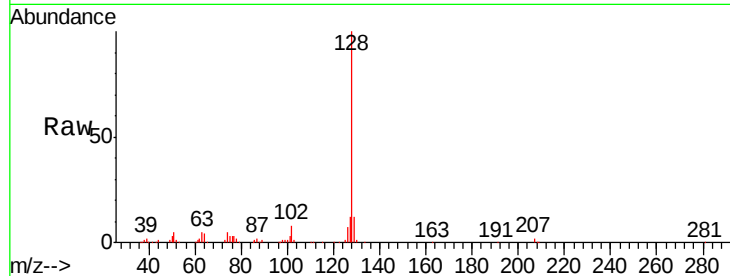




#91
Naphthalene
Concen: 18.90 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBS01

Tgt Ion:128 Resp: 235278
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 11.5 8.4 12.6



#92
1,2,3-Trichlorobenzene
Concen: 17.26 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051830.D
Acq: 12 Oct 2018 14:12

Tgt Ion:180 Resp: 130361
Ion Ratio Lower Upper
180 100
182 96.1 0.0 198.0
145 31.1 0.0 36.8

