

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050890.D
 Acq On : 27 Aug 2018 11:40
 Operator : MD\SY
 Sample : VN0827WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Quant Time: Aug 28 01:36:19 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	593168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	845644	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	768503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	371474	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	363972	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
35) Dibromofluoromethane	7.59	113	345860	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.09	98	1289710	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.40	95	413556	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	168723	21.25	ug/l	99
3) Chloromethane	2.06	50	185357	18.93	ug/l	99
4) Vinyl Chloride	2.18	62	181532	19.57	ug/l	99
5) Bromomethane	2.57	94	102549	18.79	ug/l	100
6) Chloroethane	2.70	64	104443	19.49	ug/l	96
7) Trichlorofluoromethane	3.01	101	240907	20.28	ug/l	99
8) Diethyl Ether	3.41	74	79680	19.73	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	150610	20.30	ug/l	98
10) Methyl Iodide	3.95	142	111218	21.25	ug/l	99
11) Tert butyl alcohol	4.79	59	47154	103.70	ug/l	97
12) 1,1-Dichloroethene	3.73	96	132228	19.85	ug/l	98
13) Acrolein	3.61	56	25093	105.64	ug/l	96
14) Allyl chloride	4.33	41	202118	19.47	ug/l	99
15) Acrylonitrile	4.99	53	243829	105.51	ug/l	97
16) Acetone	3.82	43	174792	99.10	ug/l	100
17) Carbon Disulfide	4.05	76	400186	17.92	ug/l	100
18) Methyl Acetate	4.33	43	147352	21.85	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	344729	20.57	ug/l	100
20) Methylene Chloride	4.55	84	154610	19.21	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	140458	19.49	ug/l	98
22) Diisopropyl ether	5.96	45	437826	21.16	ug/l	99
23) Vinyl Acetate	5.90	43	1331238	99.92	ug/l	99
24) 1,1-Dichloroethane	5.85	63	267878	20.17	ug/l	99
25) 2-Butanone	6.84	43	262481	91.21	ug/l	99
26) 2,2-Dichloropropane	6.83	77	212949	19.95	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	155645	20.04	ug/l	99
28) Bromochloromethane	7.20	49	110122	19.51	ug/l	99
29) Tetrahydrofuran	7.22	42	171872	104.17	ug/l	99
30) Chloroform	7.37	83	263443	20.03	ug/l	99
31) Cyclohexane	7.65	56	229554	19.30	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	226290	20.03	ug/l	100
36) 1,1-Dichloropropene	7.80	75	197765	19.82	ug/l	99
37) Ethyl Acetate	6.93	43	117071	20.42	ug/l	100
38) Carbon Tetrachloride	7.78	117	199957	19.82	ug/l	98

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 Data File : VN050890.D
 Acq On : 27 Aug 2018 11:40
 Operator : MD\SY
 Sample : VN0827WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Quant Time: Aug 28 01:36:19 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	205543	19.04	ug/l	97
40) Benzene	8.04	78	612490	20.35	ug/l	100
41) Methacrylonitrile	7.21	41	166400	53.64	ug/l #	18
42) 1,2-Dichloroethane	8.13	62	182662	20.30	ug/l	100
43) Isopropyl Acetate	8.17	43	204315	20.73	ug/l	98
44) Trichloroethene	8.84	130	157890	19.89	ug/l	100
45) 1,2-Dichloropropane	9.12	63	162539	20.55	ug/l	99
46) Dibromomethane	9.21	93	93888	20.20	ug/l	98
47) Bromodichloromethane	9.40	83	200386	20.59	ug/l	98
48) Methyl methacrylate	9.20	41	101972	20.30	ug/l	99
49) 1,4-Dioxane	9.20	88	29081	424.70	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	580347	98.67	ug/l	100
52) Toluene	10.16	92	369850	20.75	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	189508	19.56	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	224393	20.23	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	137779	20.82	ug/l	98
56) Ethyl methacrylate	10.43	69	150925	19.06	ug/l	99
57) 1,3-Dichloropropane	10.71	76	223542	20.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	315066	92.01	ug/l	99
59) 2-Hexanone	10.75	43	375308	95.85	ug/l	99
60) Dibromochloromethane	10.90	129	151958	20.51	ug/l	100
61) 1,2-Dibromoethane	11.01	107	130297	20.37	ug/l	99
64) Tetrachloroethene	10.63	164	144464	19.79	ug/l	99
65) Chlorobenzene	11.43	112	396577	19.74	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	149547	20.35	ug/l	98
67) Ethyl Benzene	11.51	91	653721	20.02	ug/l	100
68) m/p-Xylenes	11.62	106	512485	41.34	ug/l	99
69) o-Xylene	11.95	106	242771	20.37	ug/l	100
70) Styrene	11.96	104	377492	18.79	ug/l	98
71) Bromoform	12.13	173	103441	20.47	ug/l #	99
73) Isopropylbenzene	12.25	105	640316	20.82	ug/l	100
74) N-amyl acetate	12.07	43	153354	19.84	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	169083	22.15	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	193154	29.69	ug/l #	100
77) Bromobenzene	12.53	156	166855	19.96	ug/l	100
78) n-propylbenzene	12.59	91	718799	20.92	ug/l	100
79) 2-Chlorotoluene	12.67	91	439895	20.55	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	532466	21.45	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	38129	19.81	ug/l	98
82) 4-Chlorotoluene	12.77	91	441316	20.89	ug/l	100
83) tert-Butylbenzene	12.99	119	449245	20.90	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	539313	21.60	ug/l	99
85) sec-Butylbenzene	13.17	105	596160	21.17	ug/l	99
86) p-Isopropyltoluene	13.29	119	502900	20.95	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	280804	19.79	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	271689	19.46	ug/l	100
89) n-Butylbenzene	13.62	91	368200	19.18	ug/l	99
90) Hexachloroethane	13.87	117	97233	21.36	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	276079	20.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21661	19.61	ug/l	99

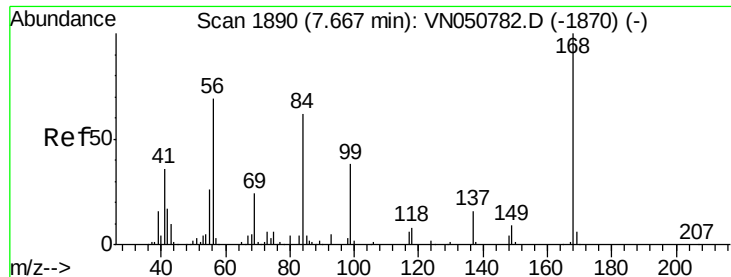
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
Data File : VN050890.D
Acq On : 27 Aug 2018 11:40
Operator : MD\SY
Sample : VN0827WBS01
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Quant Time: Aug 28 01:36:19 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	103464	17.43	ug/l	99
94) Hexachlorobutadiene	15.01	225	85565	20.43	ug/l	99
95) Naphthalene	15.13	128	189547	16.79	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	108574	18.49	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

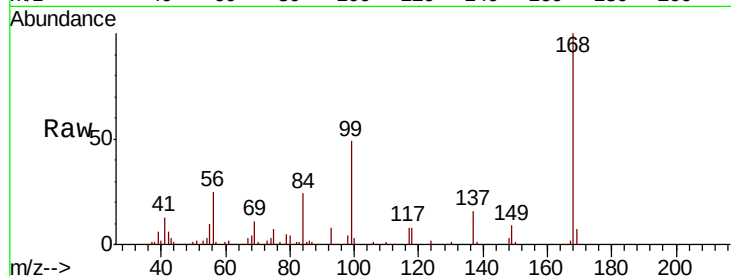
VN0827WBS01

Tot Ion:168 Resp: 593168

Ion Ratio Lower Upper

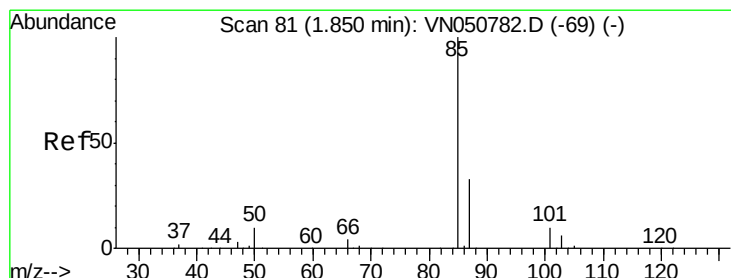
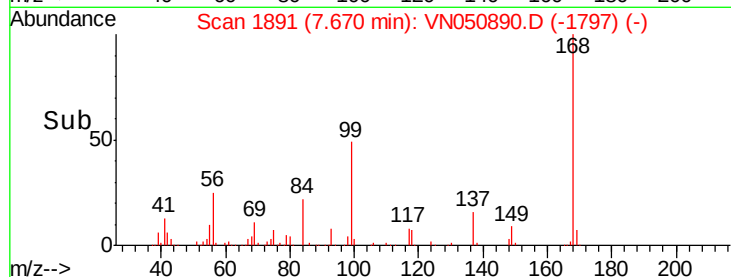
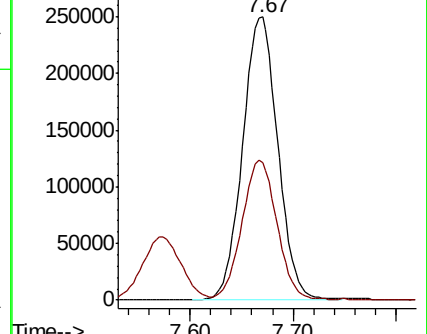
168 100

99 48.4 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 21.25 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050890.D

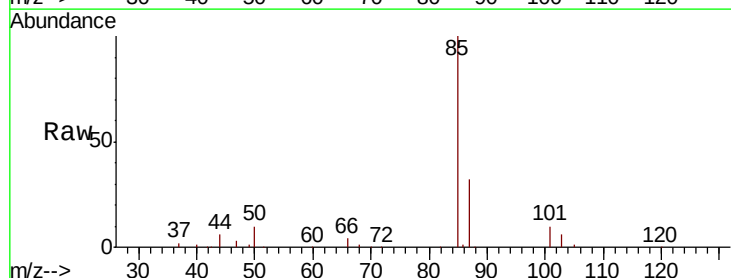
Acq: 27 Aug 2018 11:40

Tgt Ion: 85 Resp: 168723

Ion Ratio Lower Upper

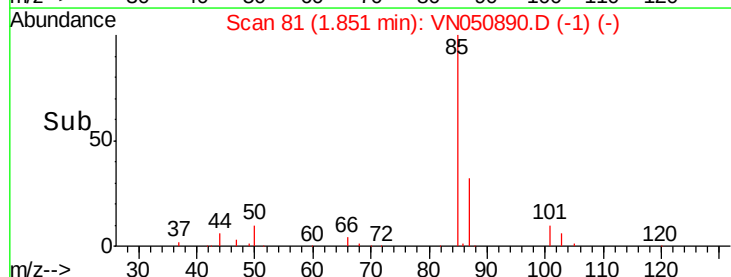
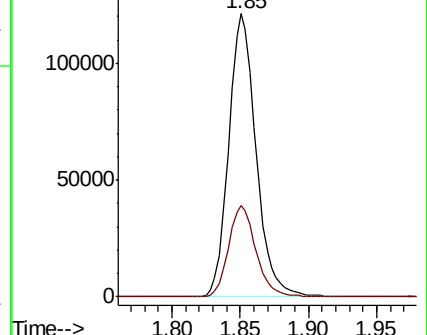
85 100

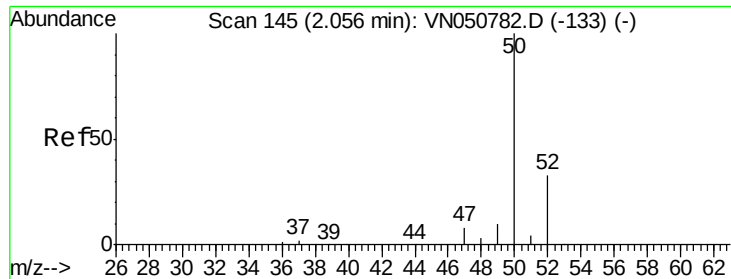
87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.93 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

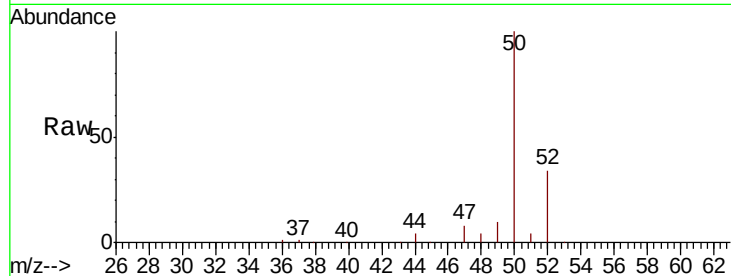
VN0827WBS01

Tot Ion: 50 Resp: 185357

Ion Ratio Lower Upper

50 100

52 33.6 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

150000

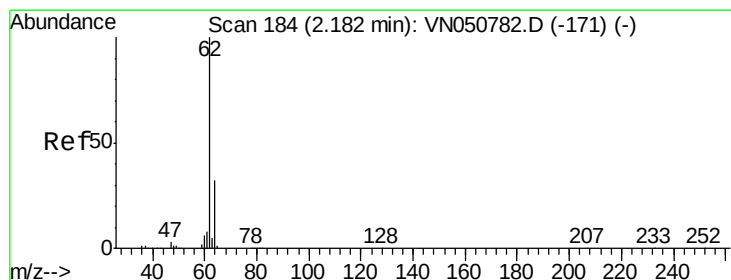
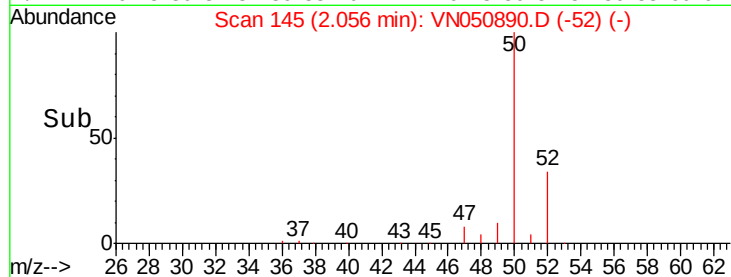
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 19.57 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050890.D

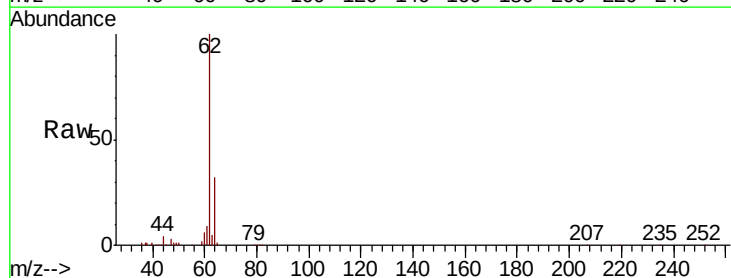
Acq: 27 Aug 2018 11:40

Tgt Ion: 62 Resp: 181532

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

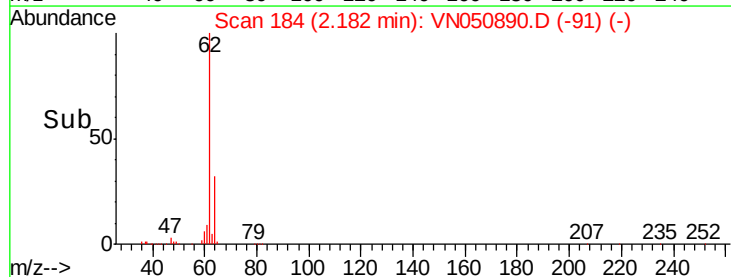
100000

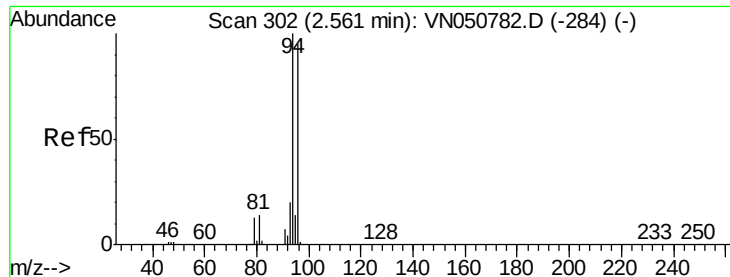
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 18.79 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

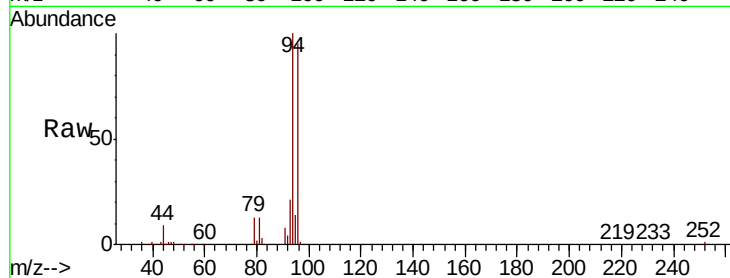
VN0827WBS01

Tot Ion: 94 Resp: 102549

Ion Ratio Lower Upper

94 100

96 94.8 76.2 114.2

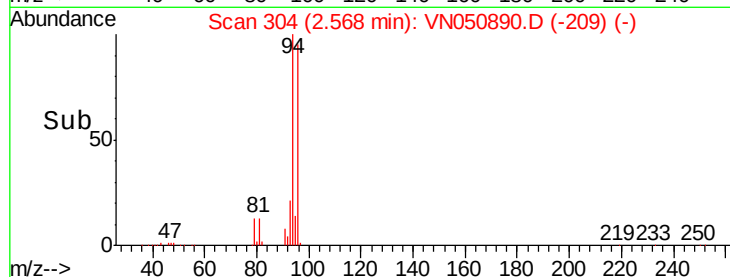


Abundance Ion 93.90 (93.60 to 94.60): VN050890.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN050890.D (-209) (-)

2.57

Time-->



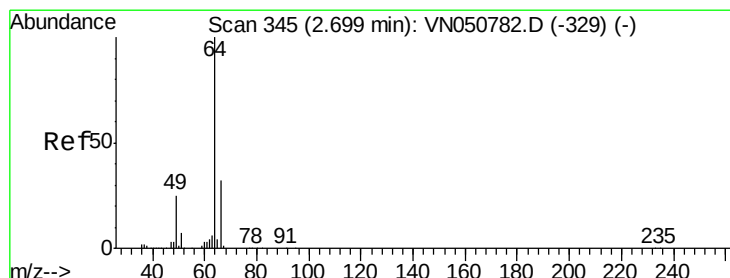
Abundance

Ion 93.90 (93.60 to 94.60): VN050890.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN050890.D (-209) (-)

2.57

Time-->



#6

Chloroethane

Concen: 19.49 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050890.D

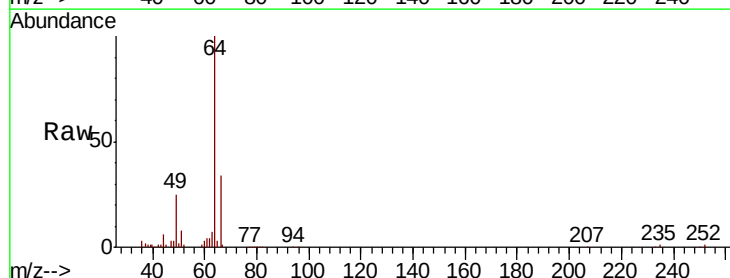
Acq: 27 Aug 2018 11:40

Tgt Ion: 64 Resp: 104443

Ion Ratio Lower Upper

64 100

66 33.9 25.3 37.9

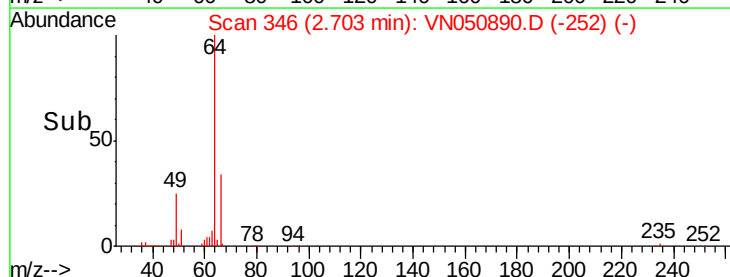


Abundance Ion 63.90 (63.60 to 64.60): VN050890.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN050890.D (-252) (-)

2.70

Time-->



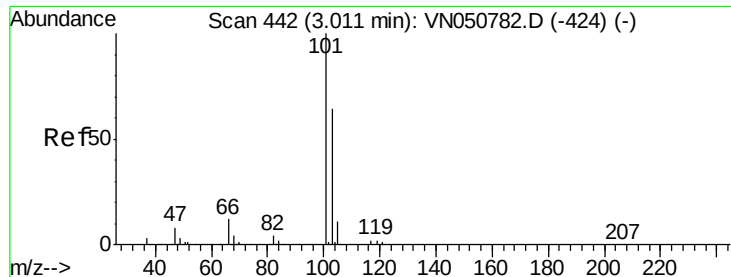
Abundance

Ion 63.90 (63.60 to 64.60): VN050890.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN050890.D (-252) (-)

2.70

Time-->



#7

Trichlorofluoromethane

Concen: 20.28 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

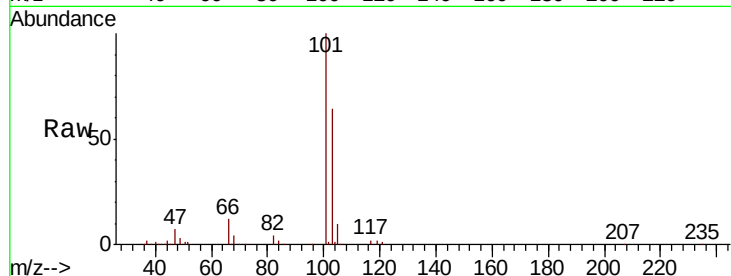
VN0827WBS01

Tot Ion:101 Resp: 240907

Ion Ratio Lower Upper

101 100

103 63.8 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

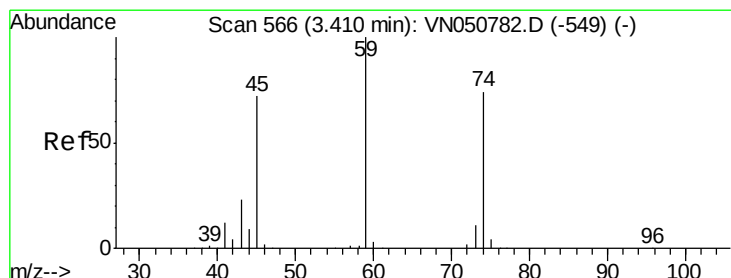
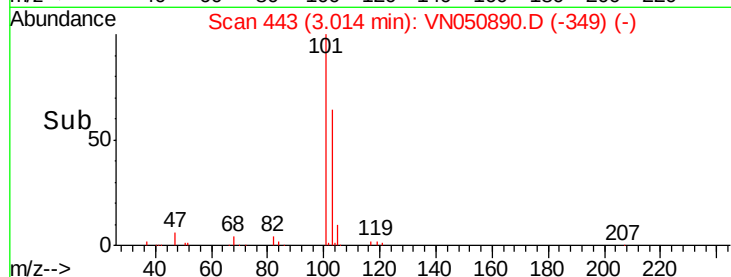
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 19.73 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN050890.D

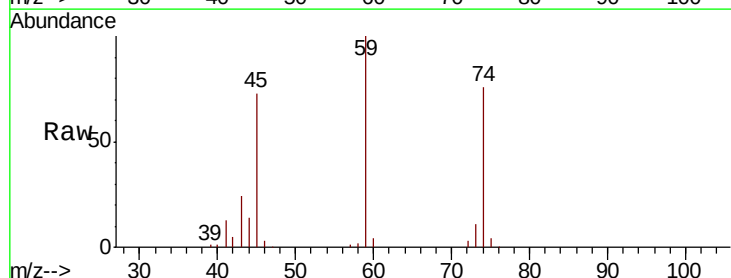
Acq: 27 Aug 2018 11:40

Tgt Ion: 74 Resp: 79680

Ion Ratio Lower Upper

74 100

45 97.8 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

40000

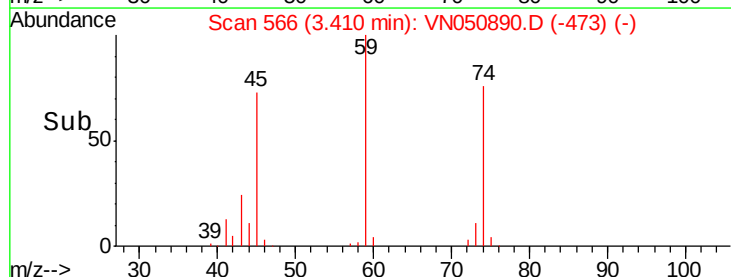
30000

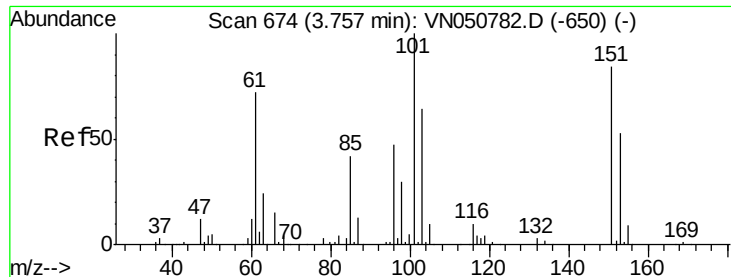
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.30 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

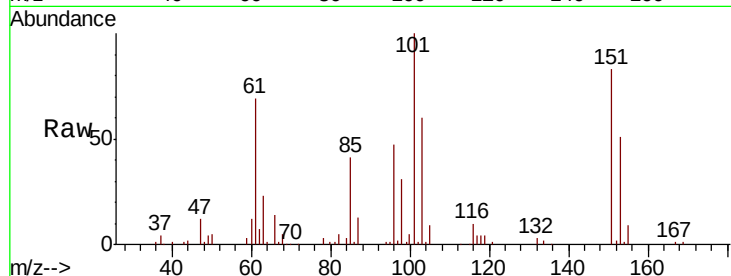
Tot Ion:101 Resp: 150610

Ion Ratio Lower Upper

101 100

85 40.7 33.7 50.5

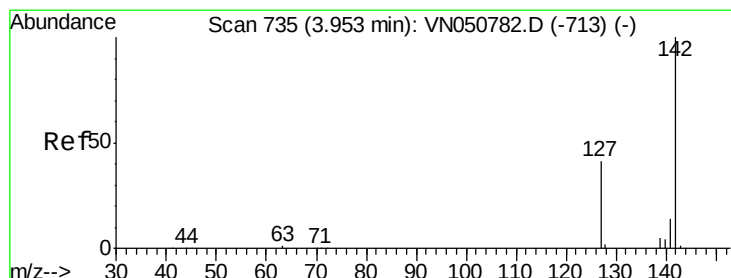
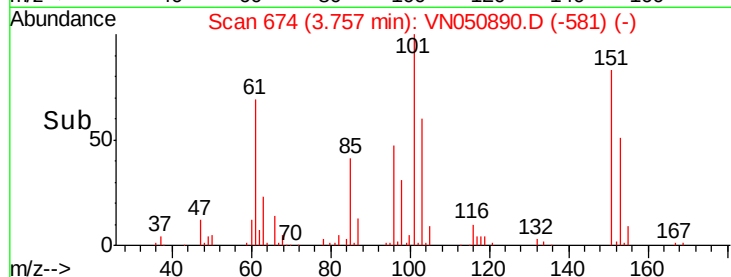
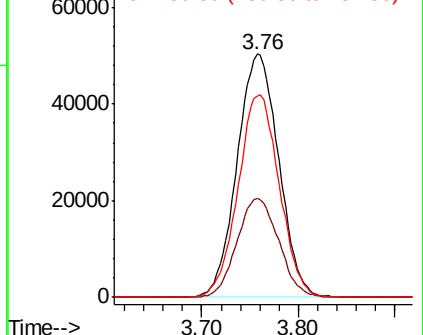
151 82.6 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.25 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

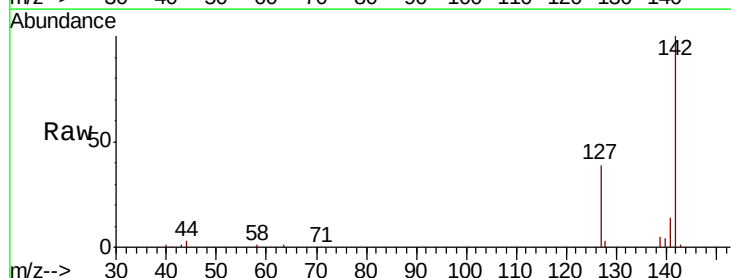
Tgt Ion:142 Resp: 111218

Ion Ratio Lower Upper

142 100

127 40.1 31.7 47.5

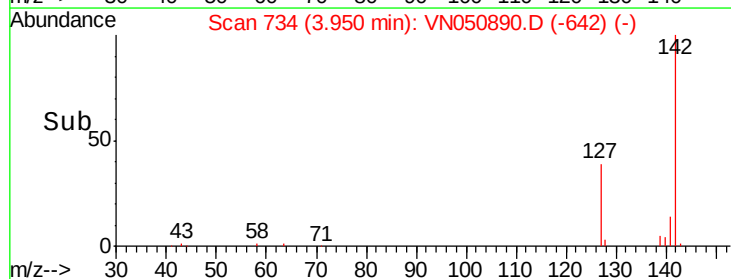
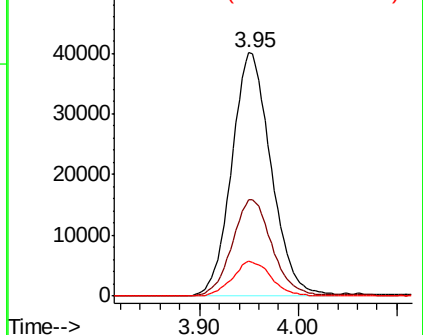
141 13.8 11.4 17.0

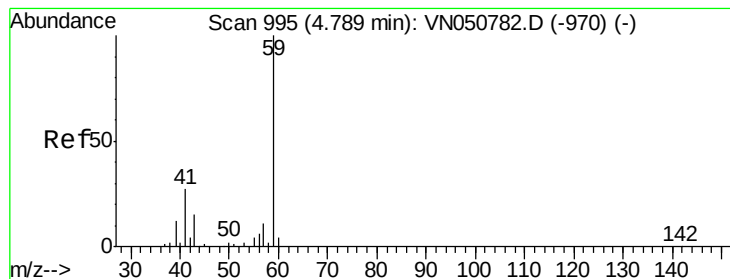


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



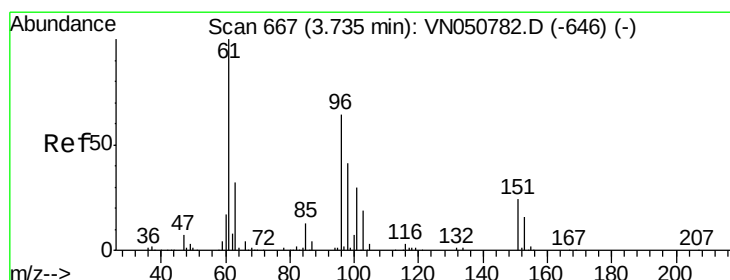
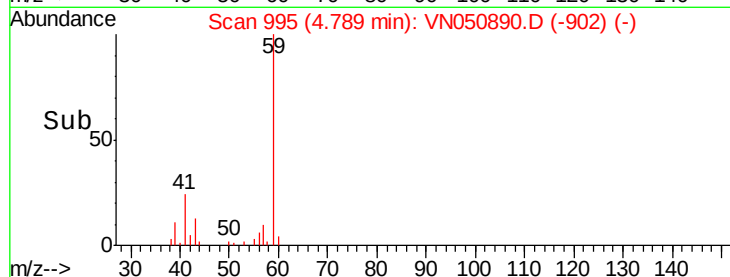
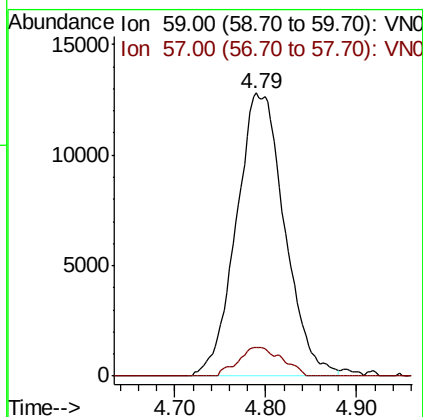
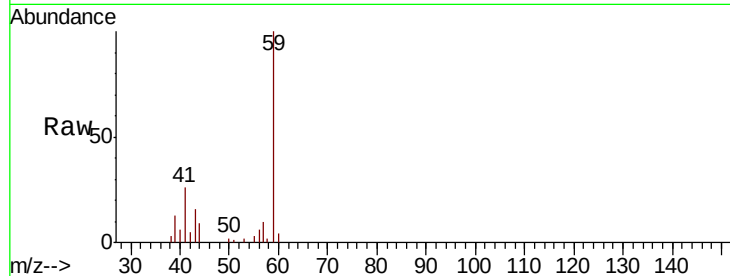


#11

Tert butyl alcohol
 Concen: 103.70 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS01

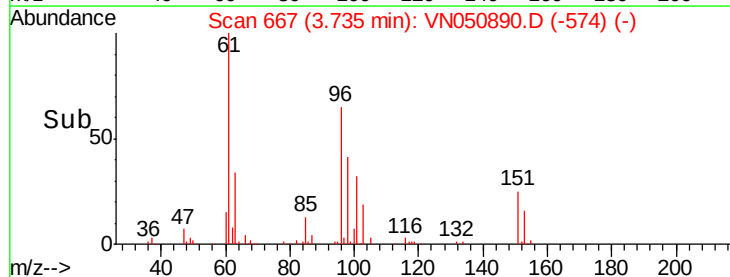
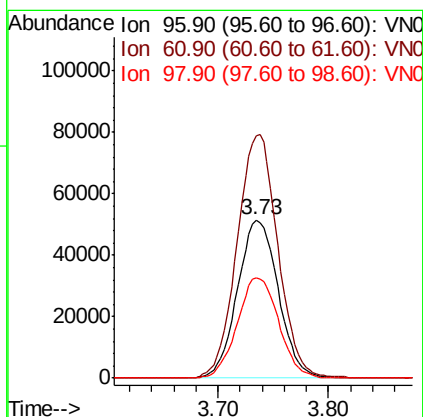
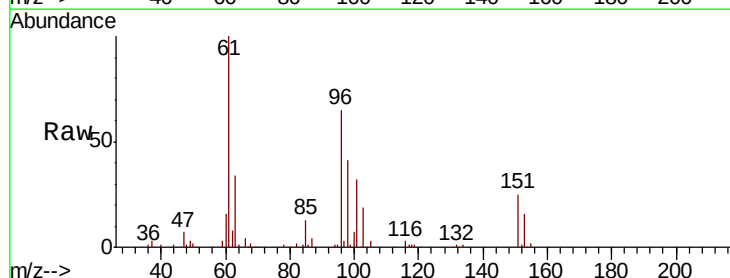
Tot Ion: 59 Resp: 47154
 Ion Ratio Lower Upper
 59 100
 57 9.2 8.3 12.5

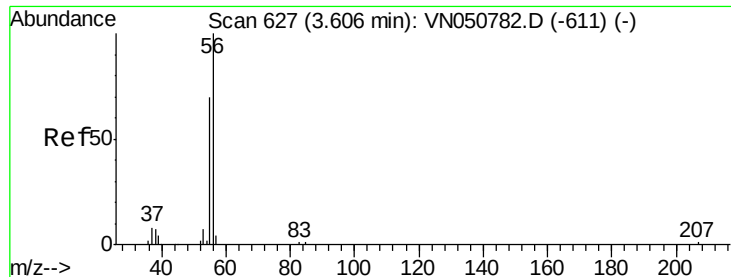


#12

1,1-Dichloroethene
 Concen: 19.85 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion: 96 Resp: 132228
 Ion Ratio Lower Upper
 96 100
 61 153.6 124.9 187.3
 98 63.5 51.1 76.7





#13

Acrolein

Concen: 105.64 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

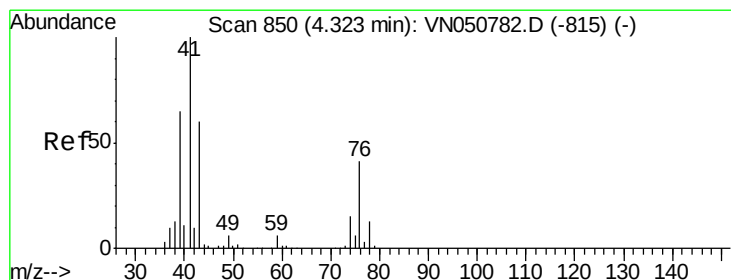
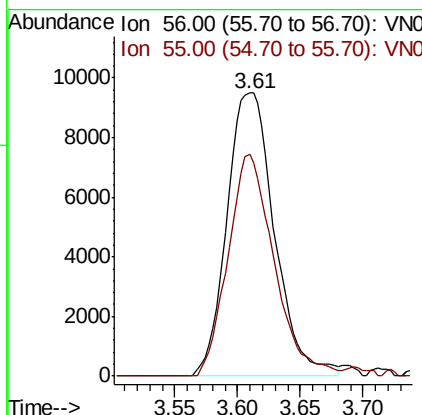
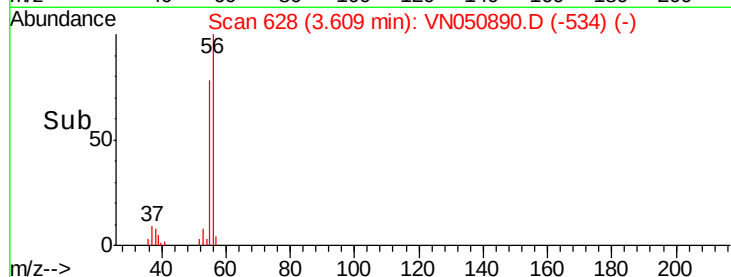
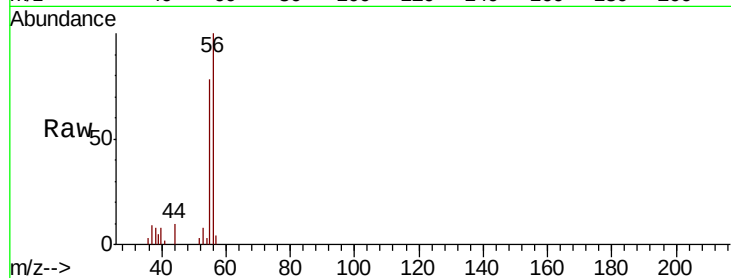
VN0827WBS01

Tot Ion: 56 Resp: 25093

Ion Ratio Lower Upper

56 100

55 75.7 57.7 86.5



#14

Allyl chloride

Concen: 19.47 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

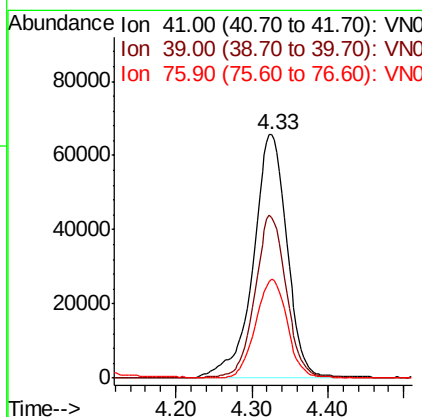
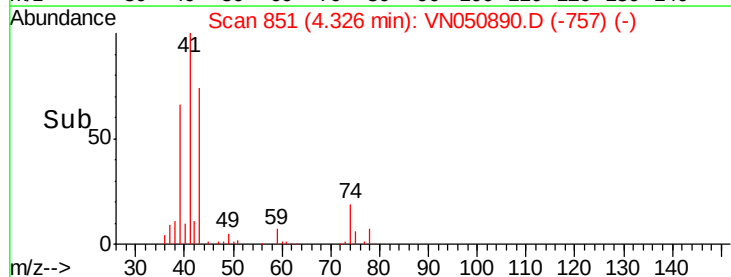
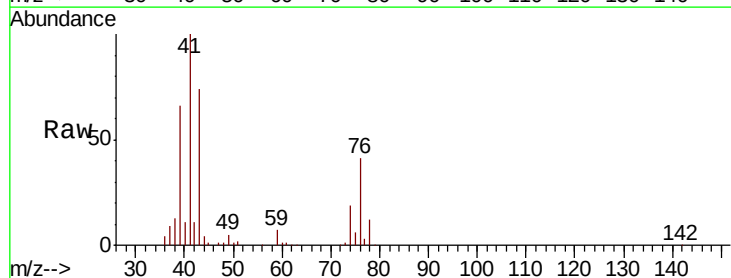
Tgt Ion: 41 Resp: 202118

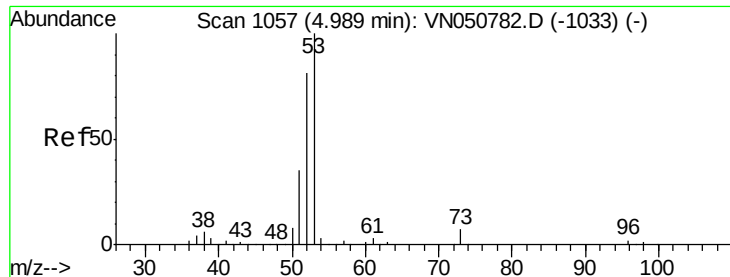
Ion Ratio Lower Upper

41 100

39 62.3 50.2 75.2

76 38.2 29.8 44.8





#15

Acrylonitrile

Concen: 105.51 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

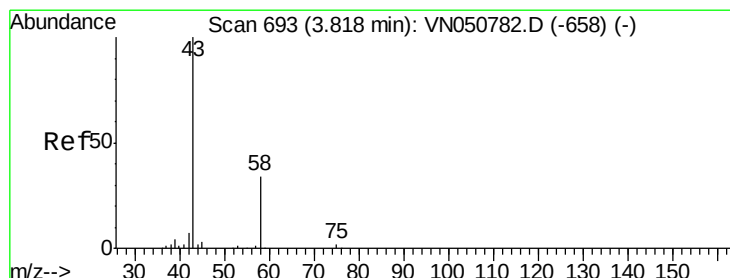
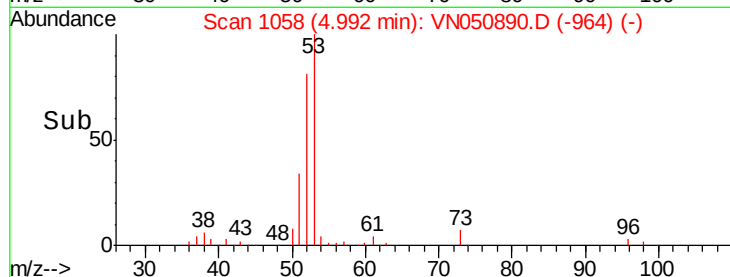
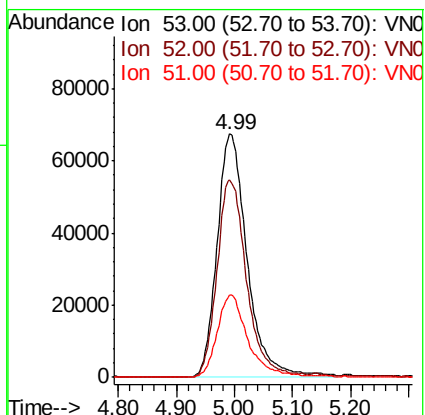
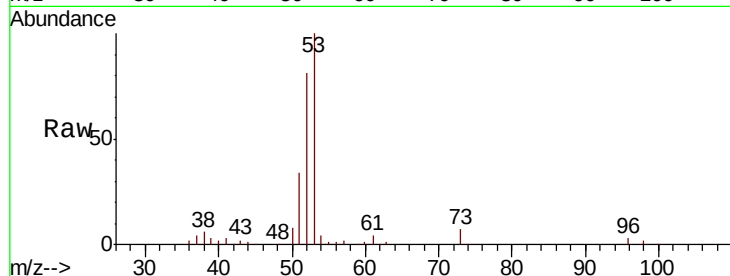
Tot Ion: 53 Resp: 243829

Ion Ratio Lower Upper

53 100

52 79.6 65.9 98.9

51 34.8 28.6 43.0



#16

Acetone

Concen: 99.10 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050890.D

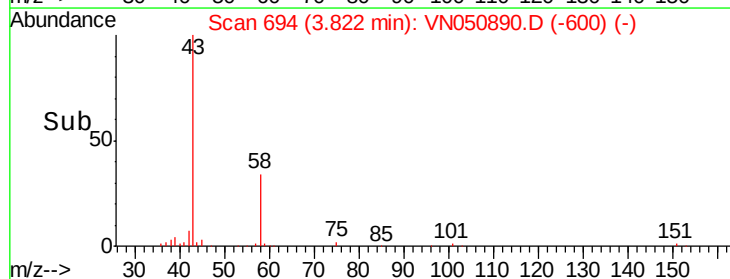
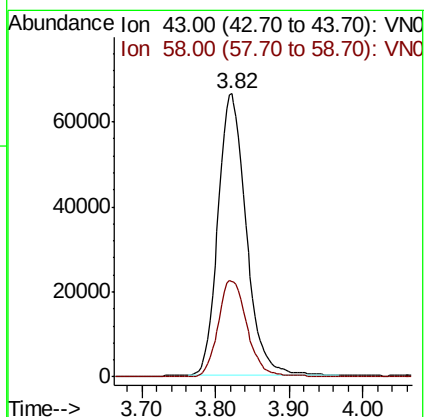
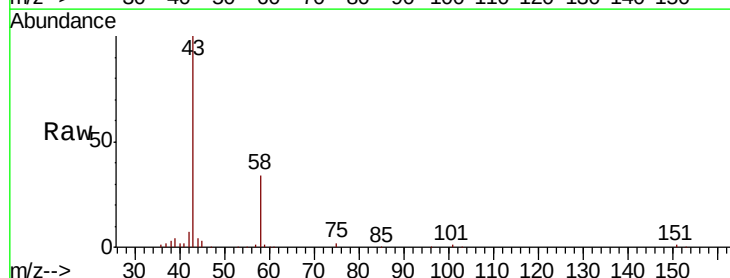
Acq: 27 Aug 2018 11:40

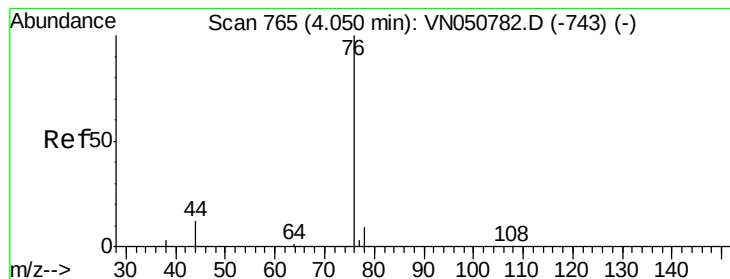
Tgt Ion: 43 Resp: 174792

Ion Ratio Lower Upper

43 100

58 34.0 27.2 40.8





#17

Carbon Disulfide

Concen: 17.92 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

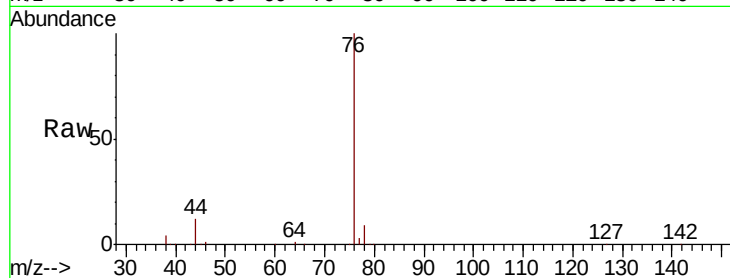
VN0827WBS01

Tot Ion: 76 Resp: 400186

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050890.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050890.D (-743) (-)

4.05

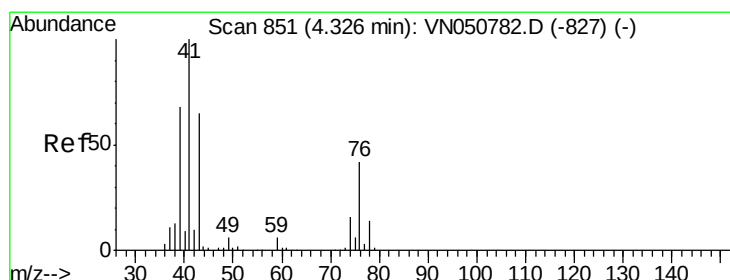
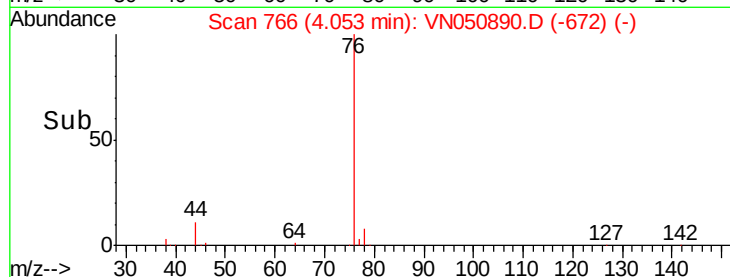
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 21.85 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050890.D

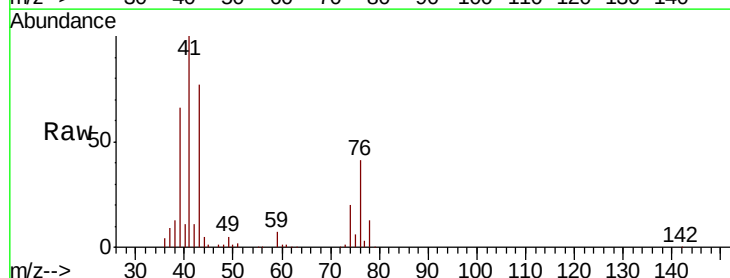
Acq: 27 Aug 2018 11:40

Tgt Ion: 43 Resp: 147352

Ion Ratio Lower Upper

43 100

74 24.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN050890.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN050890.D (-758) (-)

4.33

50000

40000

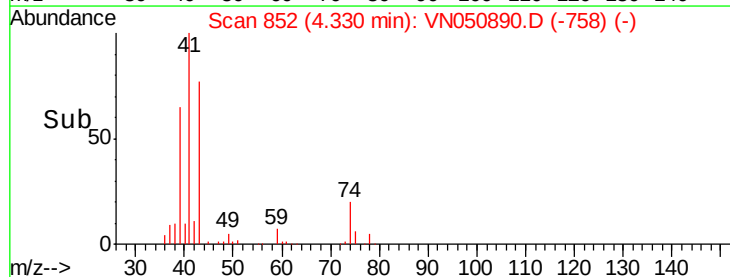
30000

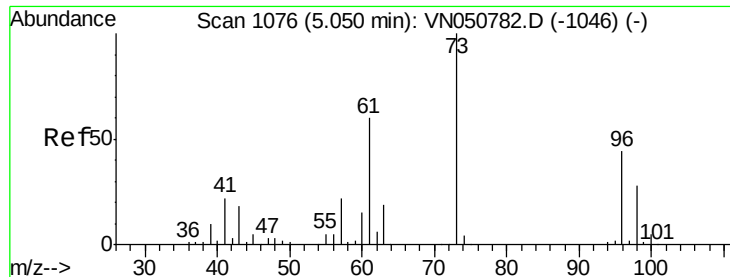
20000

10000

0

Time-->

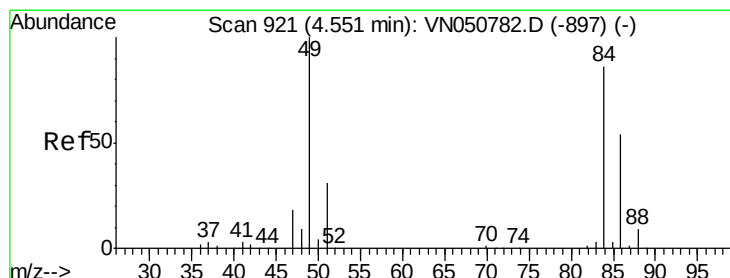
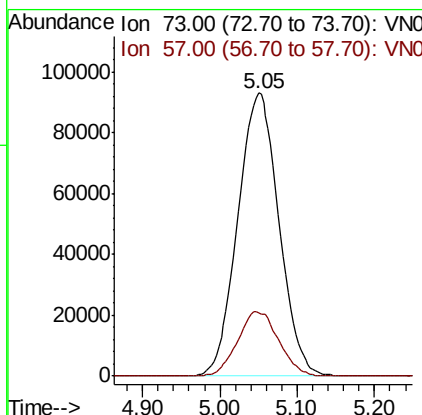
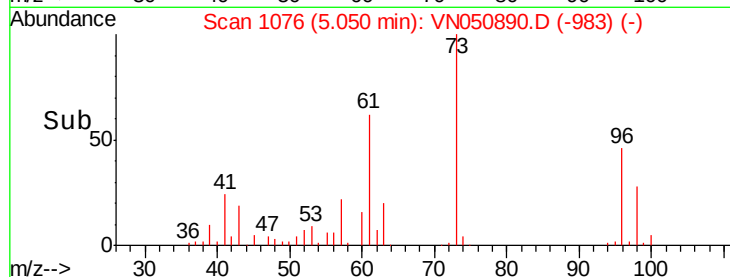
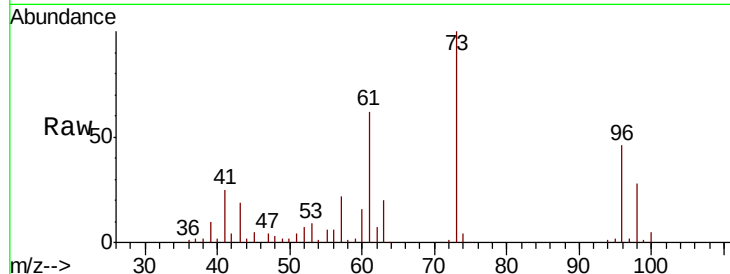




#19
Methyl tert-butyl Ether
Concen: 20.57 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

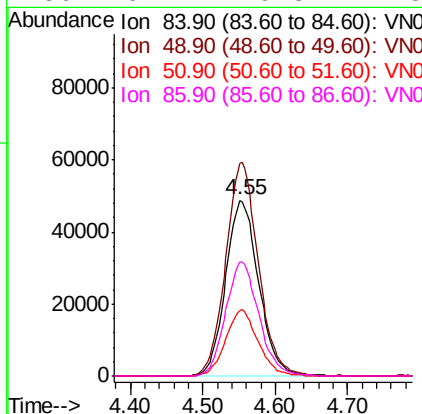
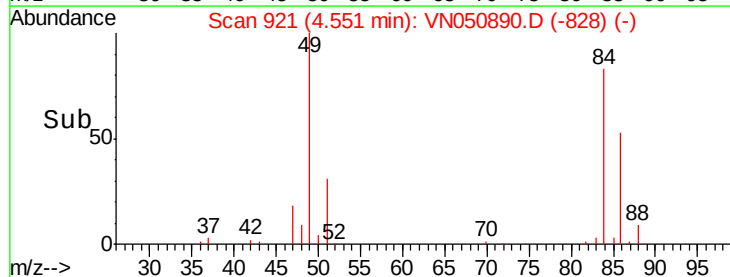
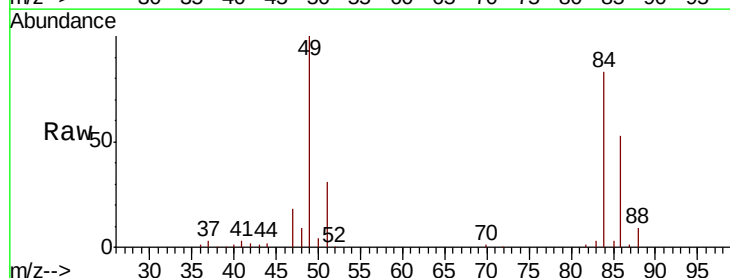
Instrument :
MSVOA_N
ClientSampled :
VN0827WBS01

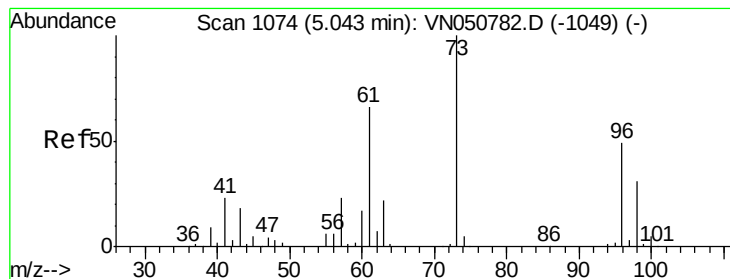
Tot Ion: 73 Resp: 344729
Ion Ratio Lower Upper
73 100
57 22.3 17.8 26.8



#20
Methylene Chloride
Concen: 19.21 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion: 84 Resp: 154610
Ion Ratio Lower Upper
84 100
49 120.8 93.2 139.8
51 37.4 29.0 43.6
86 64.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.49 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

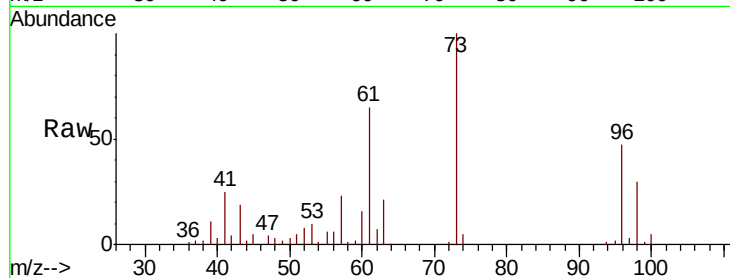
Tot Ion: 96 Resp: 140458

Ion Ratio Lower Upper

96 100

61 137.3 107.4 161.0

98 62.6 50.7 76.1

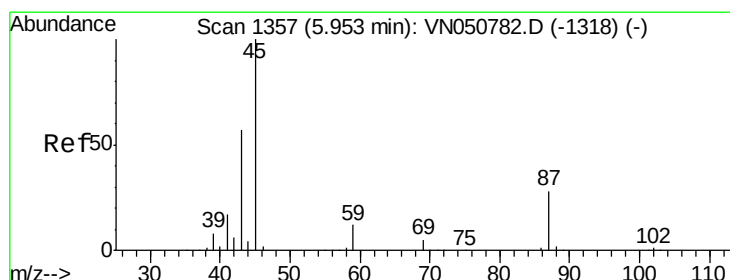
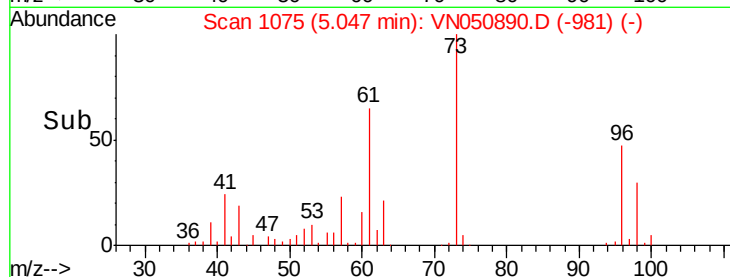
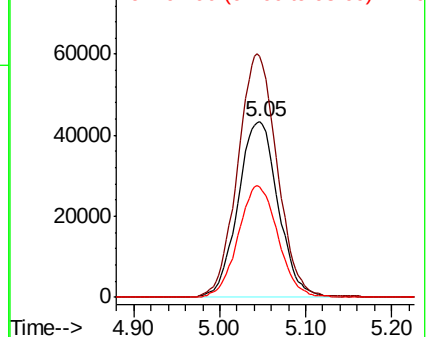


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 21.16 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Tgt Ion: 45 Resp: 437826

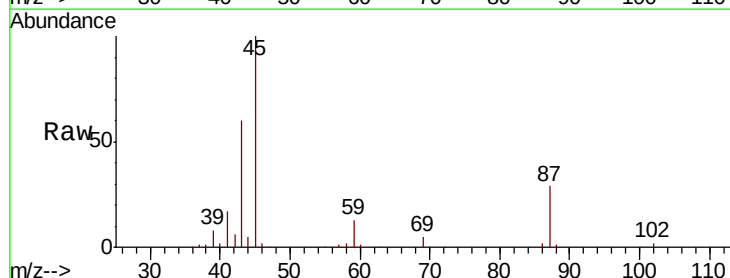
Ion Ratio Lower Upper

45 100

43 57.6 45.9 68.9

87 29.1 22.7 34.1

59 12.4 9.3 13.9



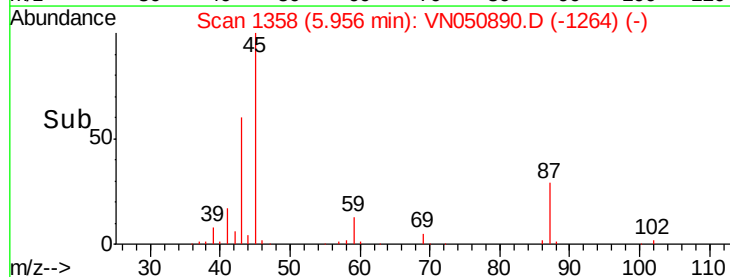
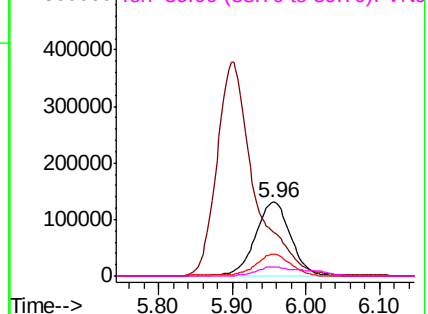
Abundance

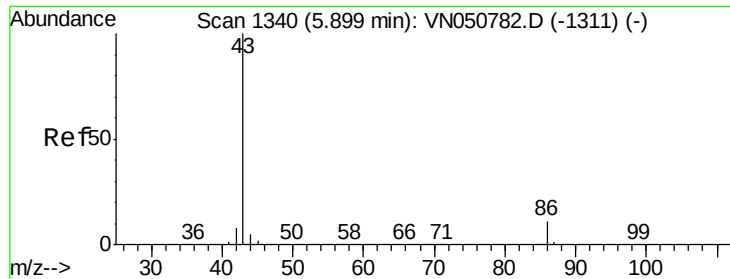
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 99.92 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

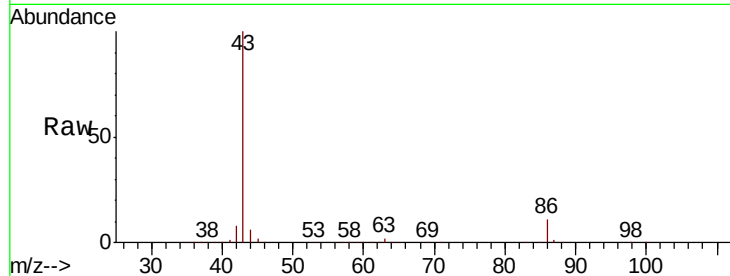
VN0827WBS01

Tot Ion: 43 Resp: 1331238

Ion Ratio Lower Upper

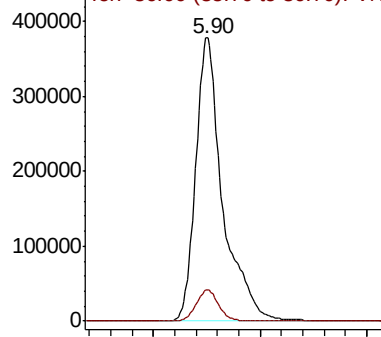
43 100

86 11.2 8.7 13.1

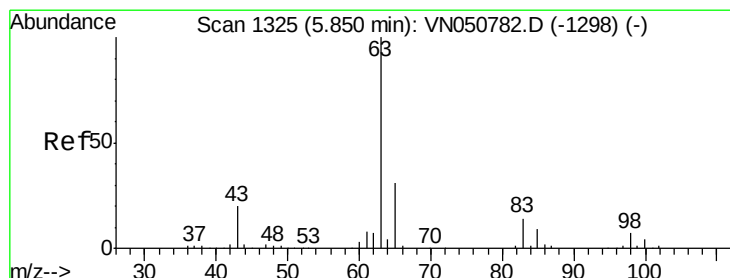
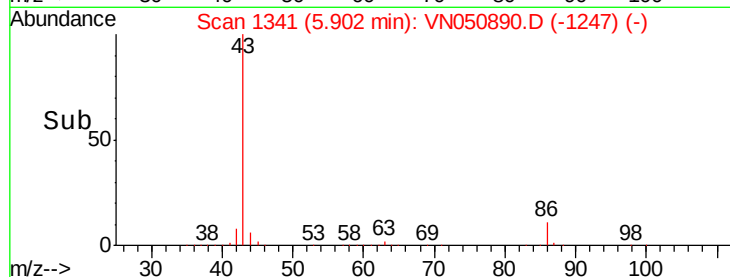


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.17 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

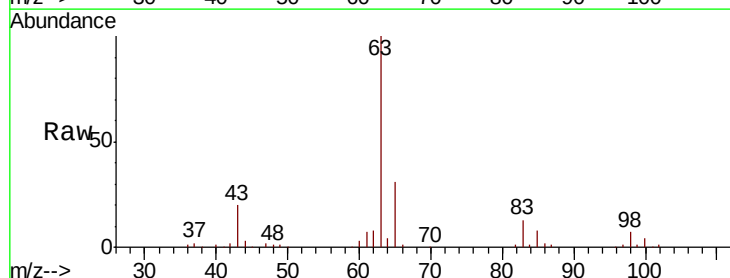
Tgt Ion: 63 Resp: 267878

Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.8

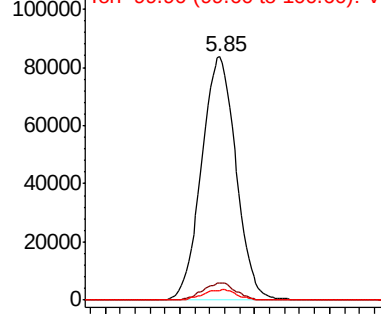
100 4.1 2.1 6.5



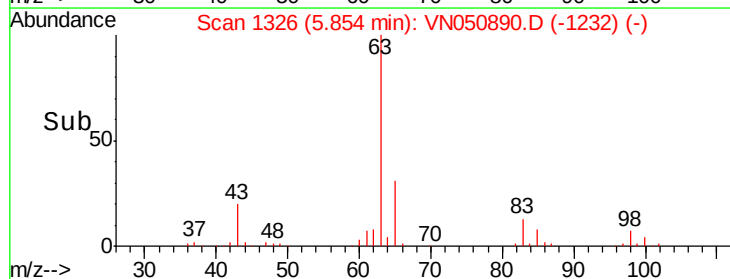
Abundance Ion 62.90 (62.60 to 63.60): VN0

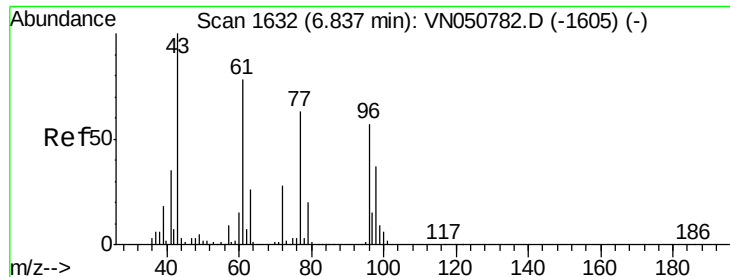
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 91.21 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

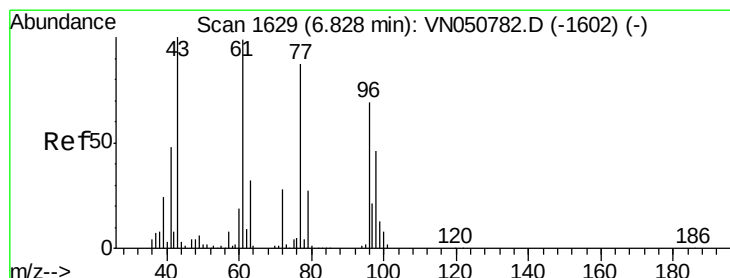
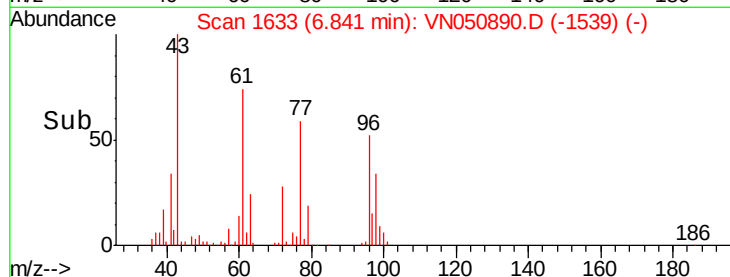
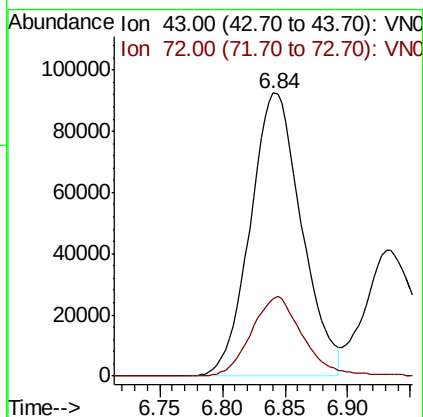
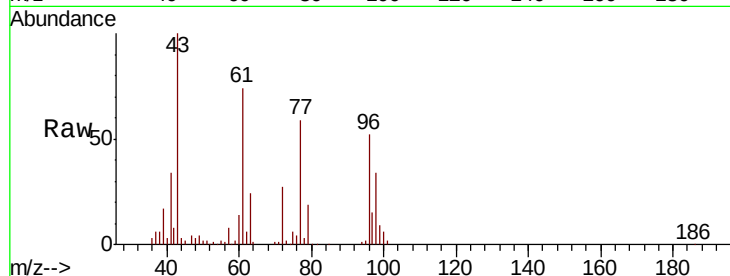
VN0827WBS01

Tot Ion: 43 Resp: 262481

Ion Ratio Lower Upper

43 100

72 27.5 22.3 33.5



#26

2,2-Dichloropropane

Concen: 19.95 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050890.D

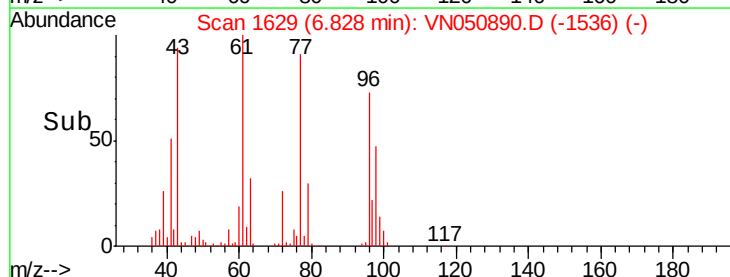
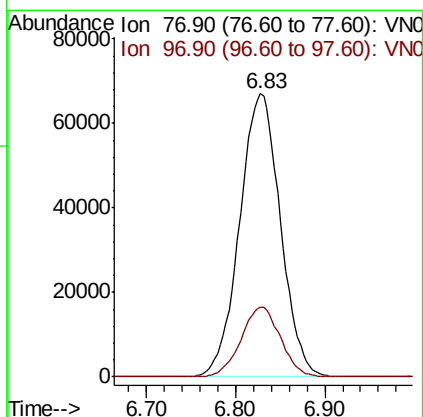
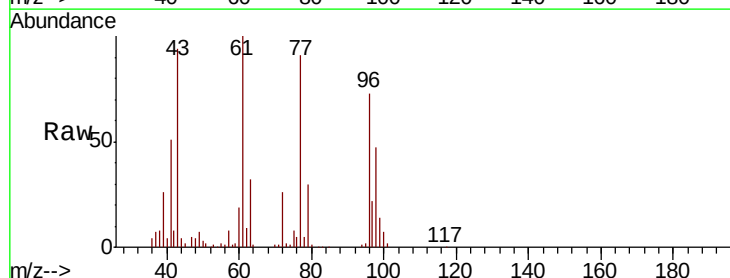
Acq: 27 Aug 2018 11:40

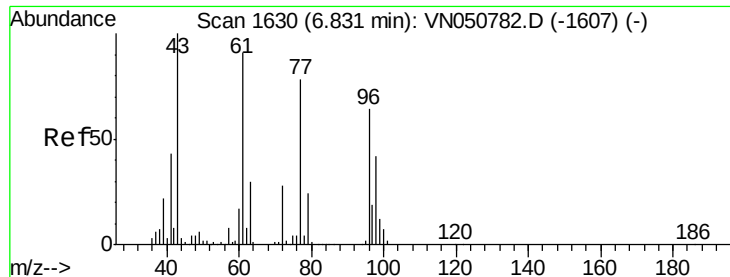
Tgt Ion: 77 Resp: 212949

Ion Ratio Lower Upper

77 100

97 23.9 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 20.04 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

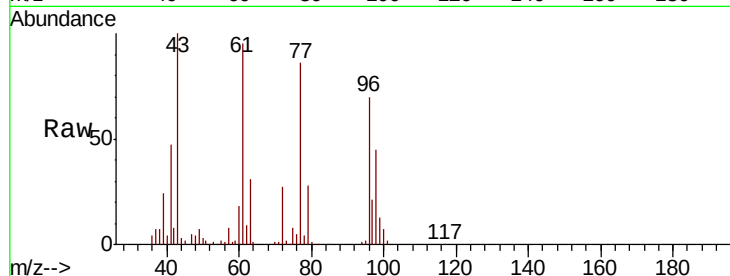
Tot Ion: 96 Resp: 155645

Ion Ratio Lower Upper

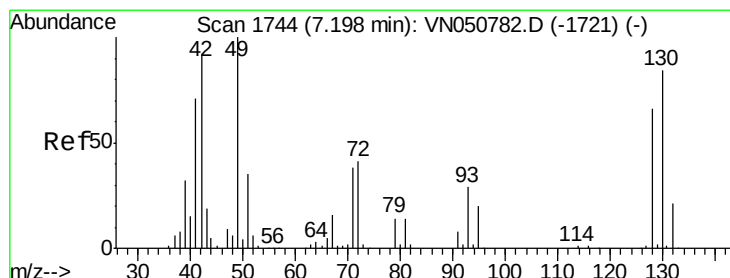
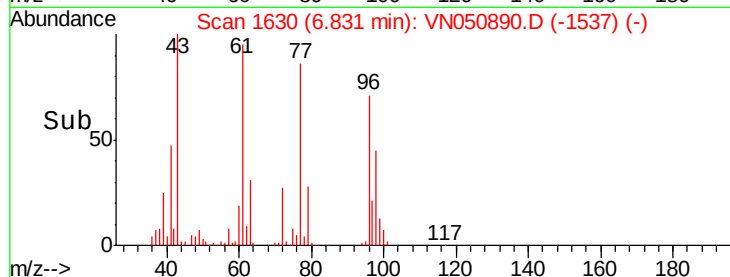
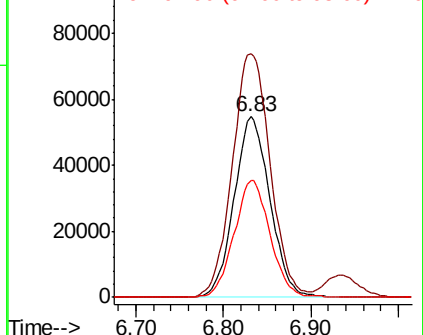
96 100

61 142.9 0.0 283.4

98 65.1 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.51 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

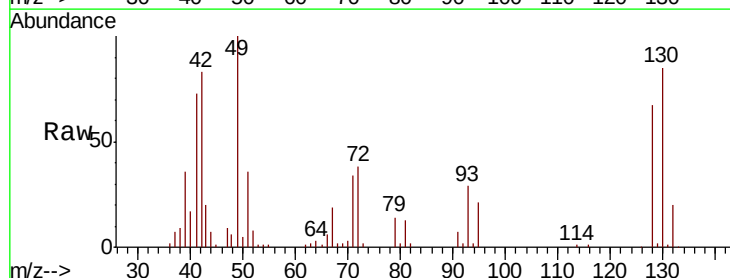
Tgt Ion: 49 Resp: 110122

Ion Ratio Lower Upper

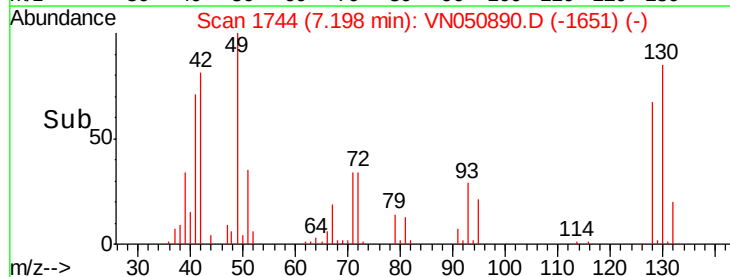
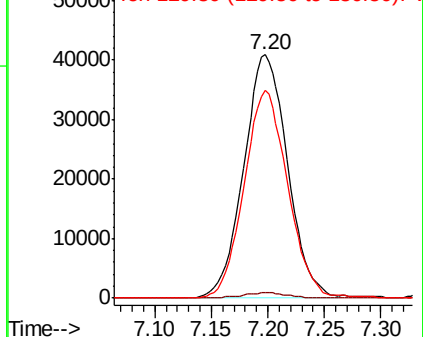
49 100

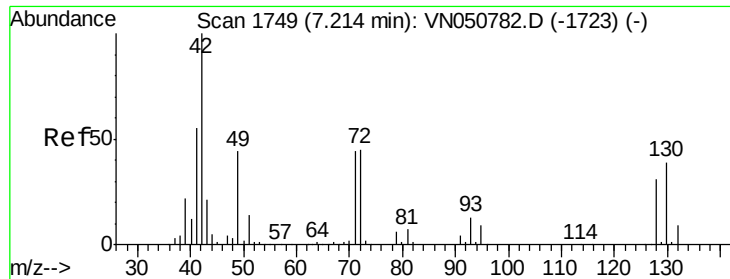
129 2.2 0.0 4.2

130 84.5 67.1 100.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 104.17 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

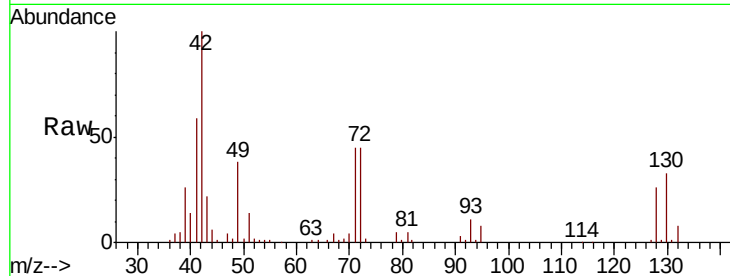
Tot Ion: 42 Resp: 171872

Ion Ratio Lower Upper

42 100

72 45.0 35.5 53.3

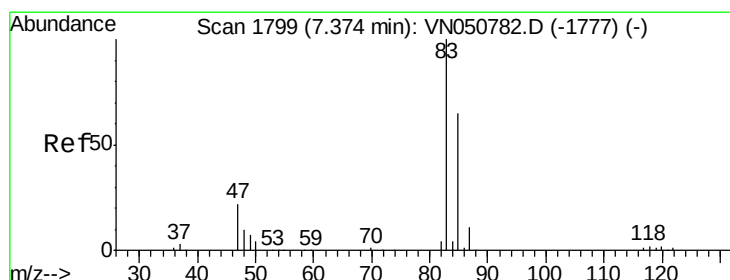
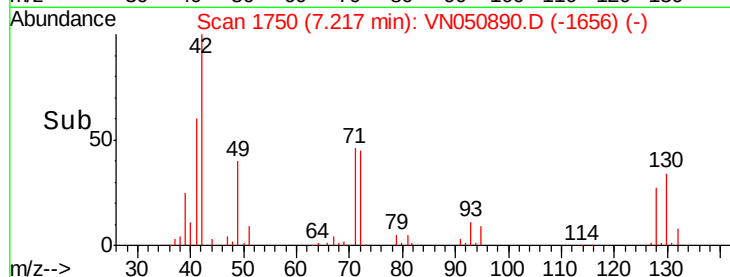
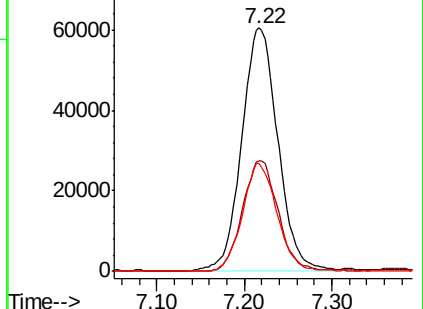
71 43.0 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.03 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050890.D

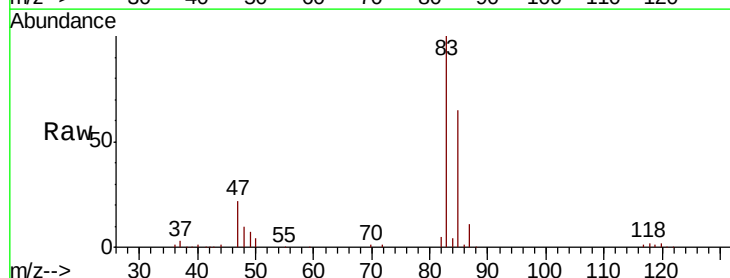
Acq: 27 Aug 2018 11:40

Tgt Ion: 83 Resp: 263443

Ion Ratio Lower Upper

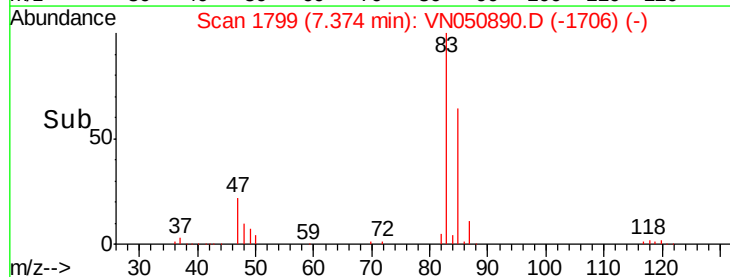
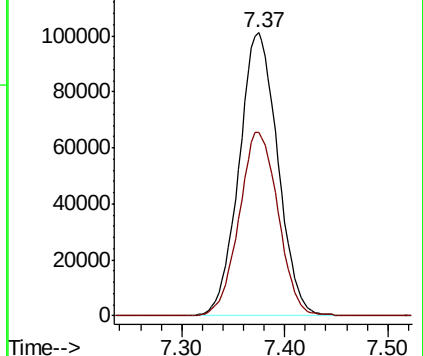
83 100

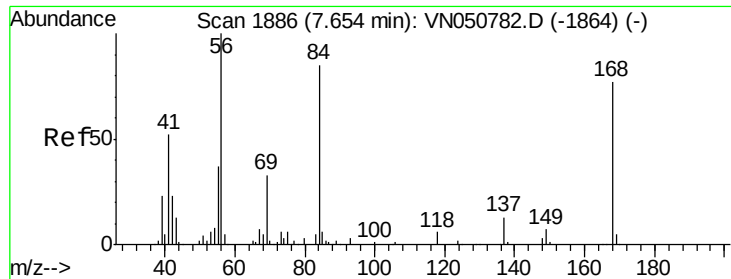
85 64.7 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.30 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

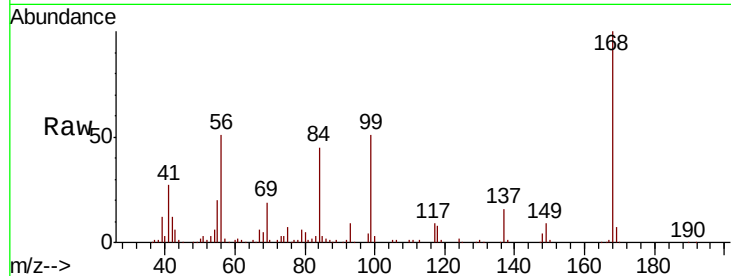
Tot Ion: 56 Resp: 229554

Ion Ratio Lower Upper

56 100

69 37.4 26.2 39.4

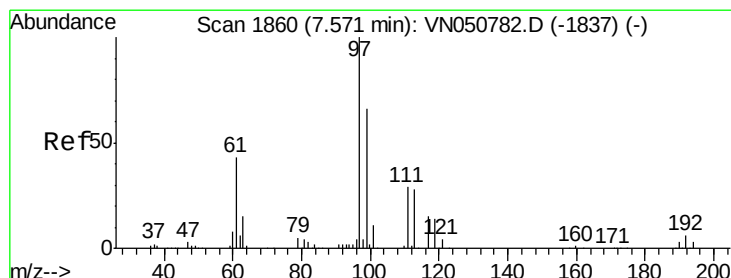
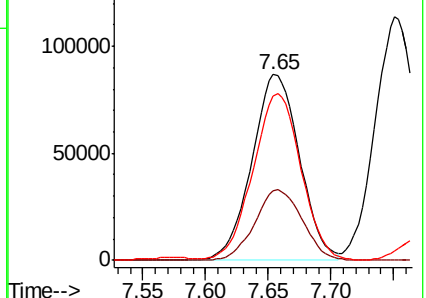
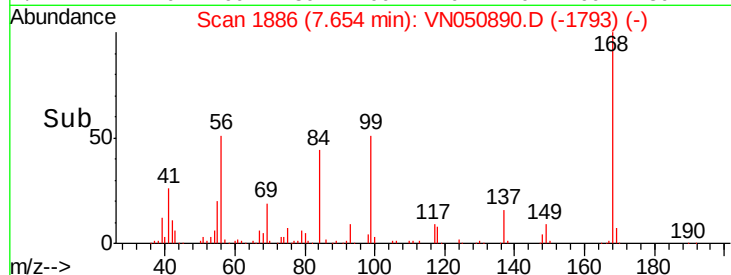
84 87.3 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.03 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

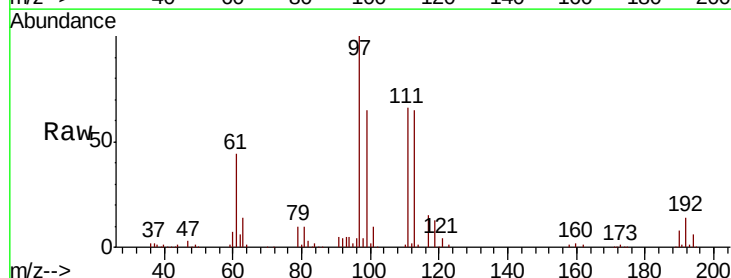
Tgt Ion: 97 Resp: 226290

Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

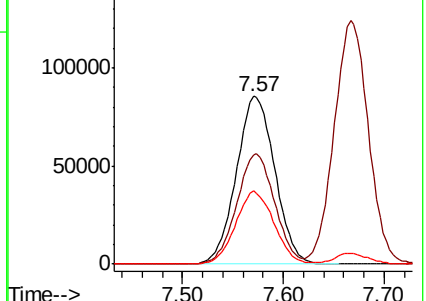
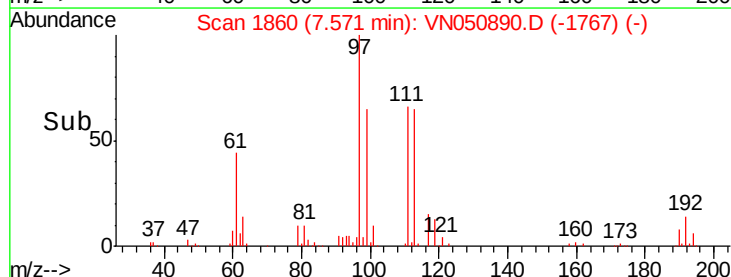
61 43.1 34.9 52.3

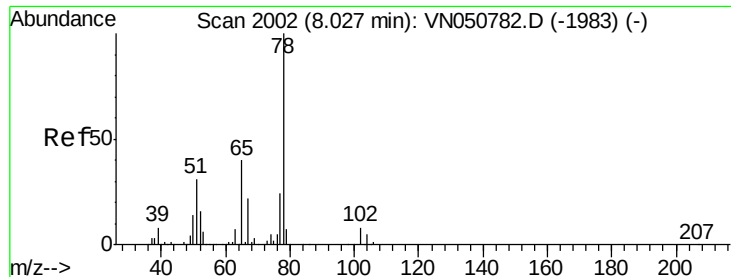


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

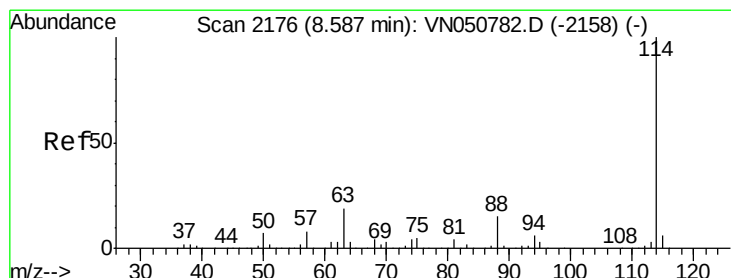
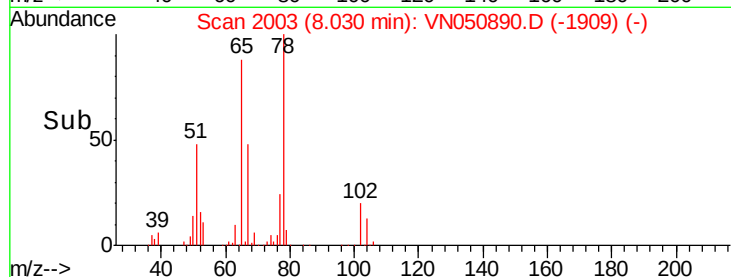
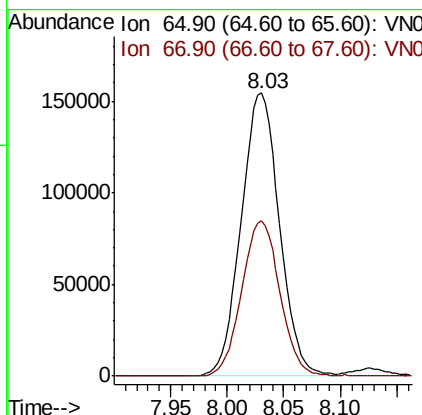
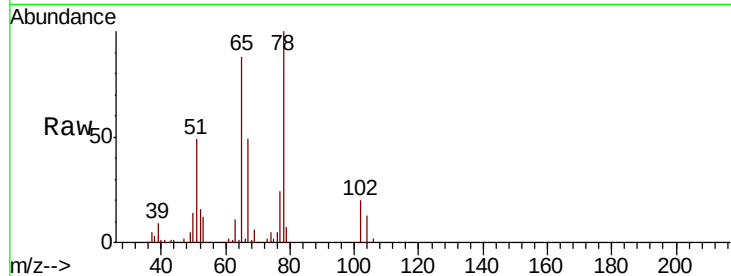




#33
 1,2-Dichloroethane-d4
 Concen: 50.97 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

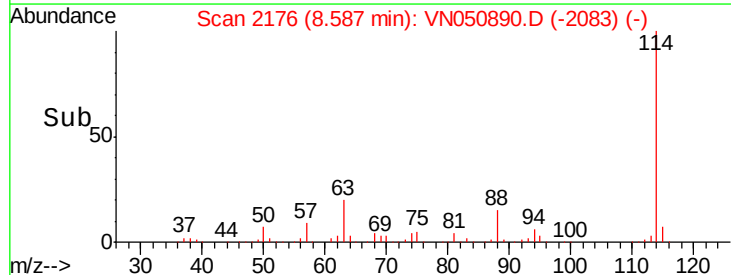
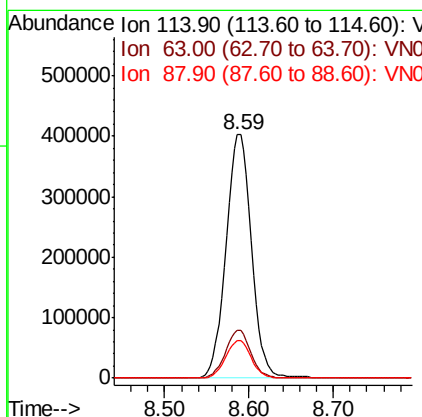
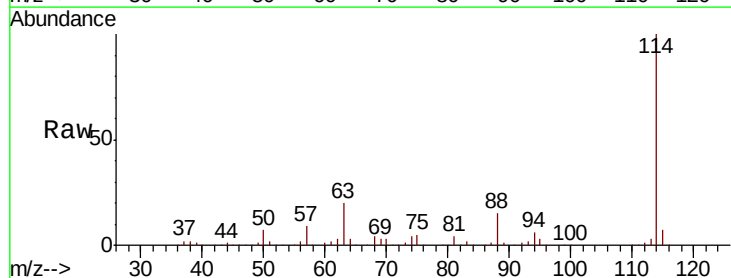
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

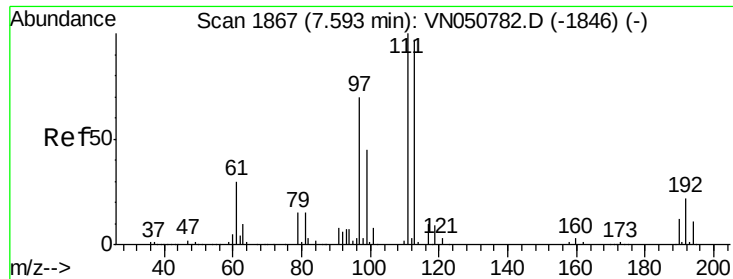
Tot Ion: 65 Resp: 363972
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion: 114 Resp: 845644
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 15.3 0.0 30.6

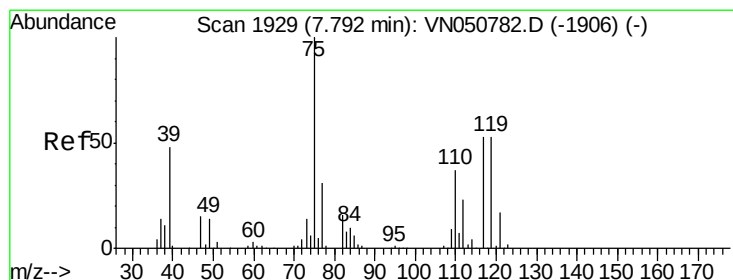
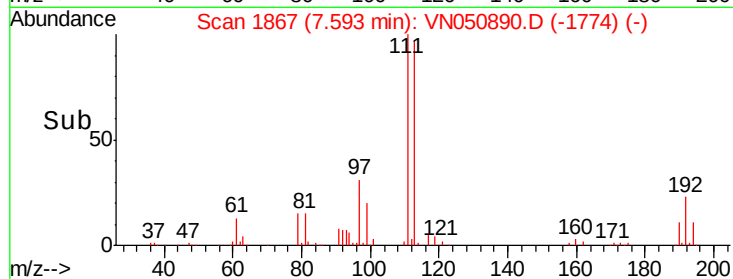
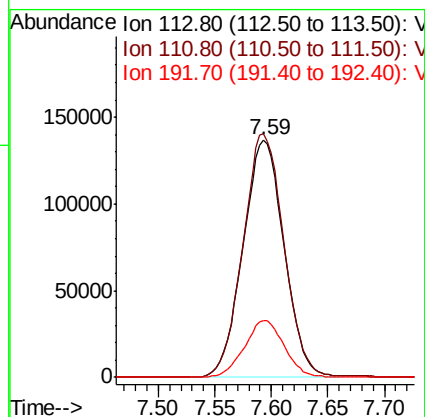
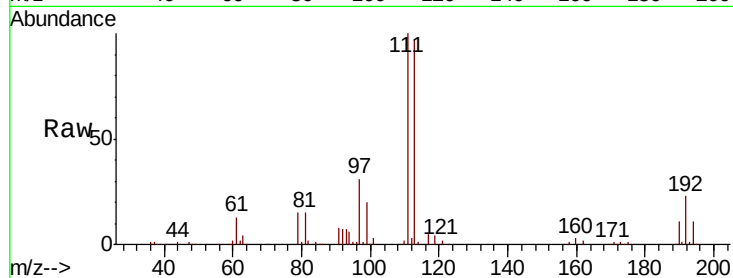




#35
 Dibromofluoromethane
 Concen: 51.41 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

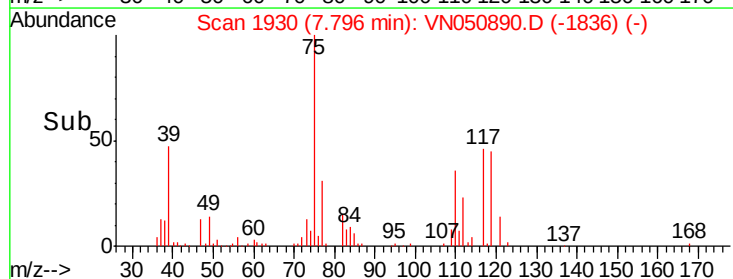
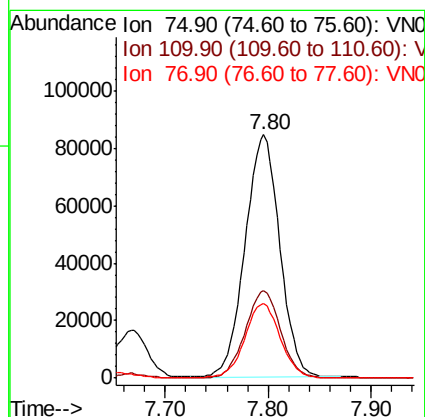
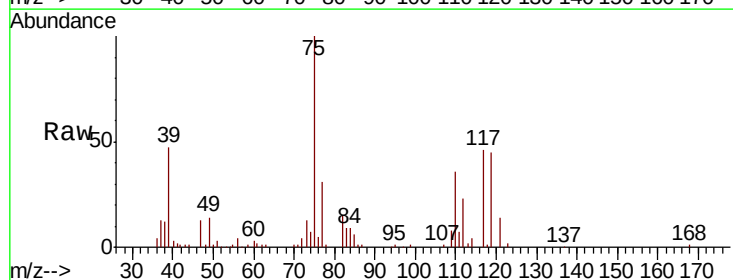
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

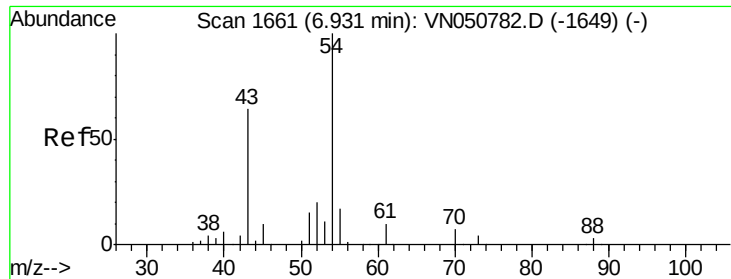
Tot Ion:113 Resp: 345860
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.6 123.8
 192 23.3 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 19.82 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion: 75 Resp: 197765
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.4
 77 31.5 24.8 37.2

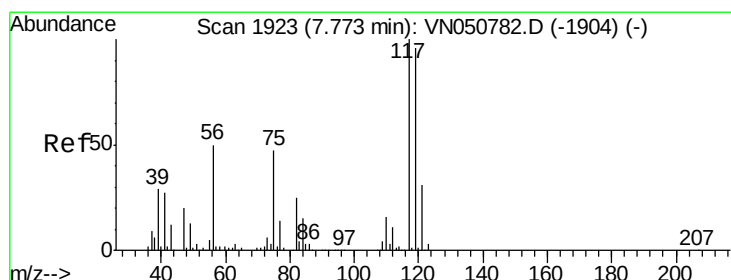
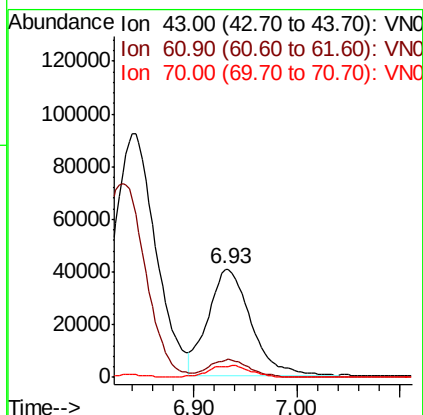
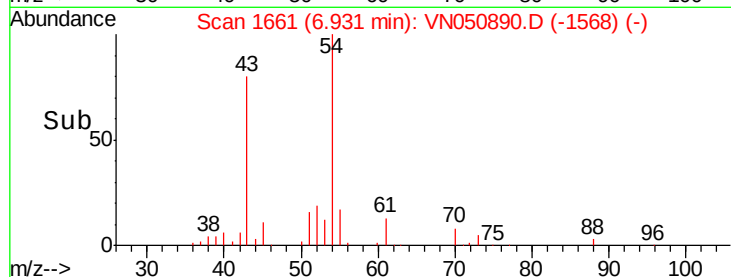
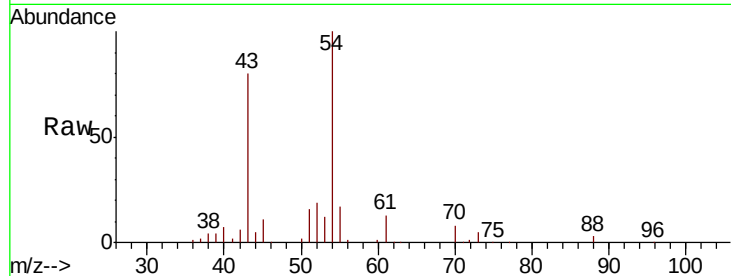




#37
Ethyl Acetate
Concen: 20.42 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

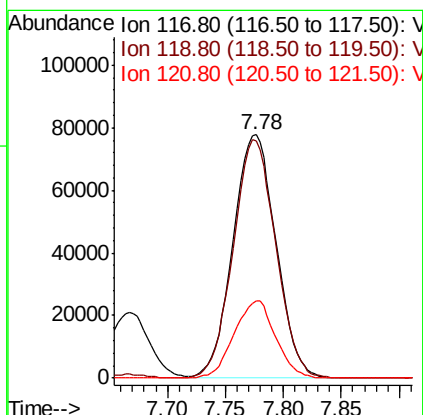
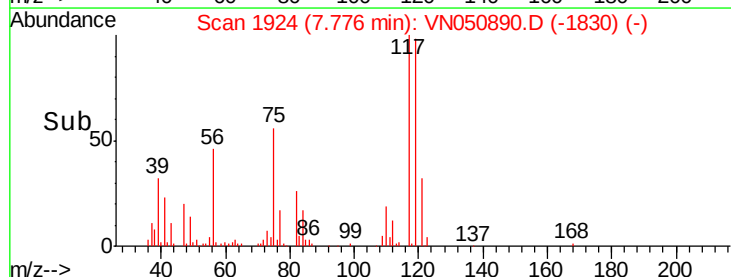
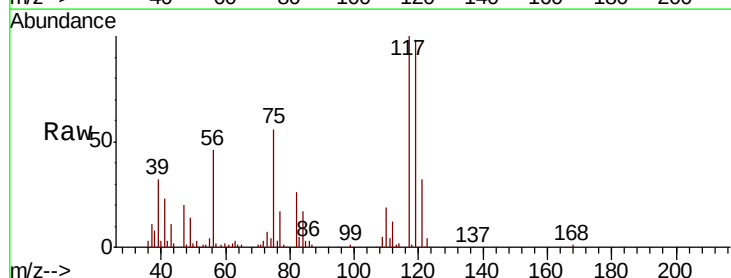
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

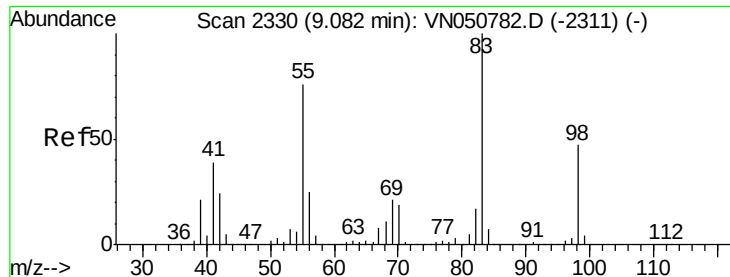
Tot Ion: 43 Resp: 117071
Ion Ratio Lower Upper
43 100
61 15.0 12.0 18.0
70 10.8 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.82 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion: 117 Resp: 199957
Ion Ratio Lower Upper
117 100
119 97.6 76.3 114.5
121 32.0 24.6 36.8

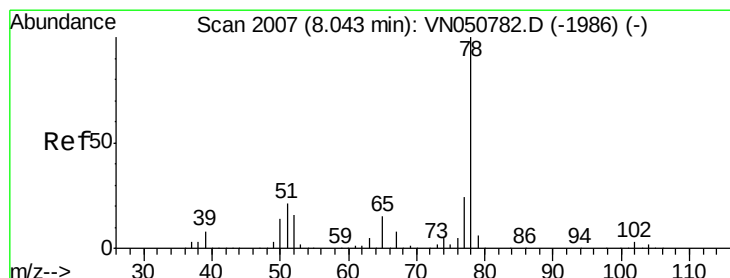
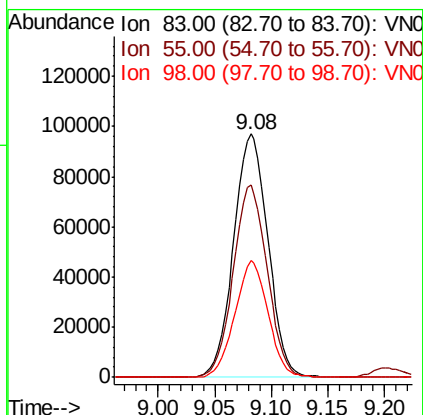
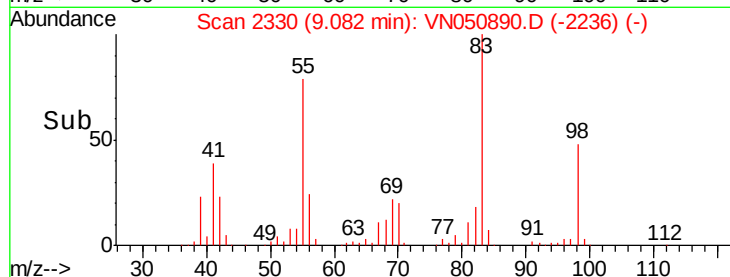
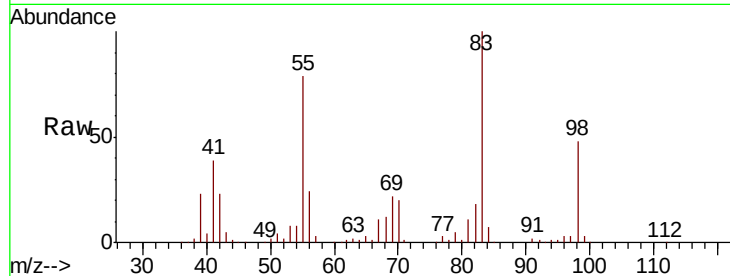




#39
Methylvlcyclohexane
Concen: 19.04 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

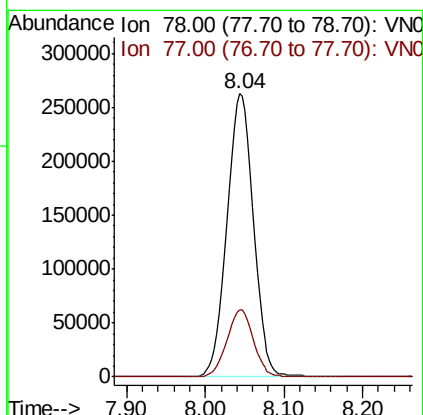
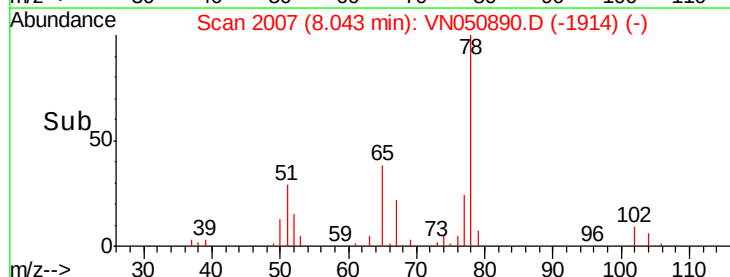
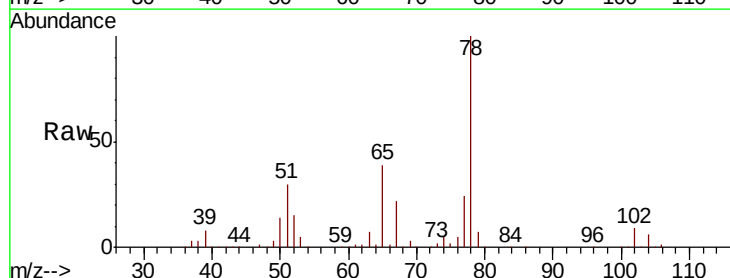
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

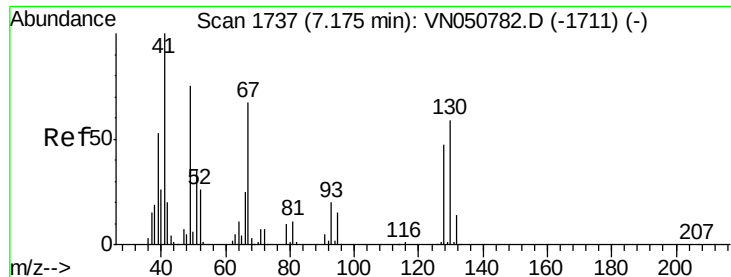
Tot Ion: 83 Resp: 205543
Ion Ratio Lower Upper
83 100
55 79.2 61.0 91.4
98 47.9 37.5 56.3



#40
Benzene
Concen: 20.35 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion: 78 Resp: 612490
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

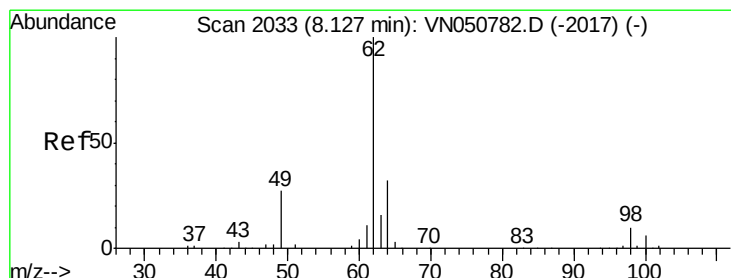
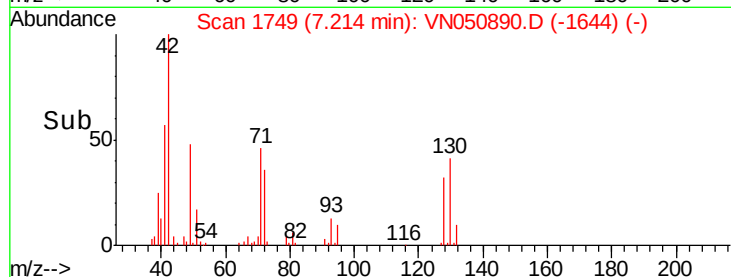
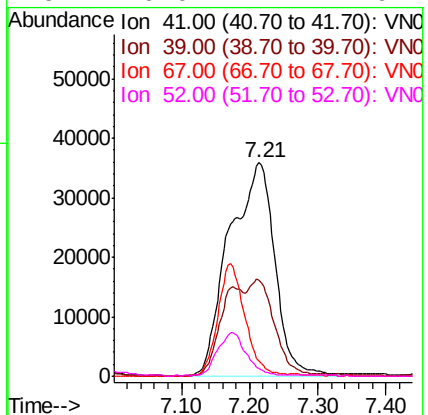
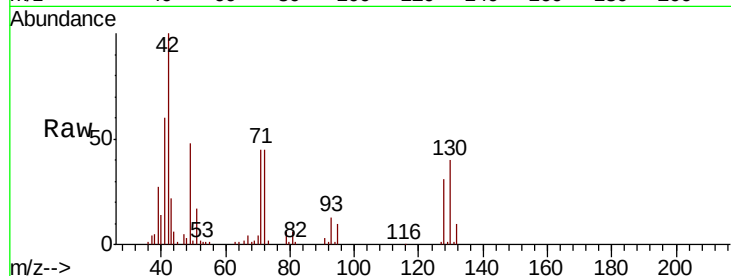




#41
Methacrylonitrile
Concen: 53.64 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.04 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

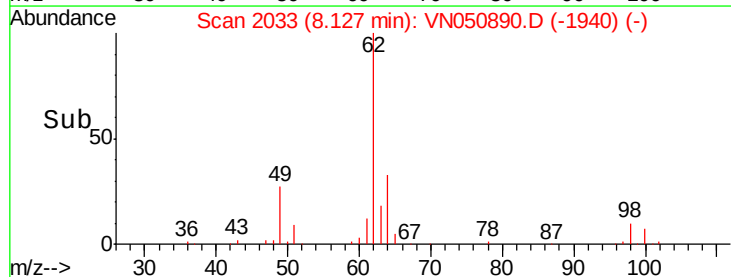
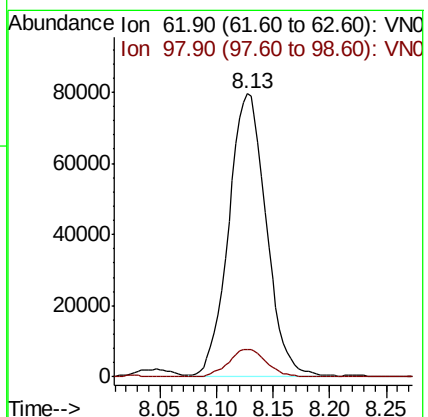
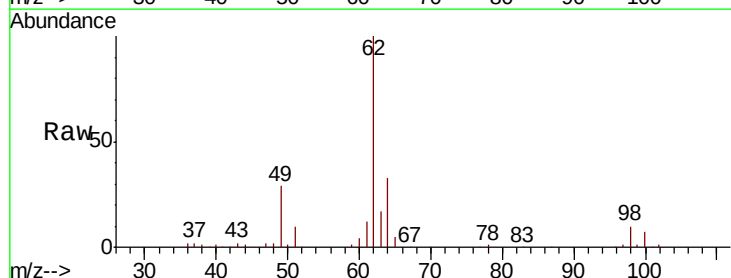
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

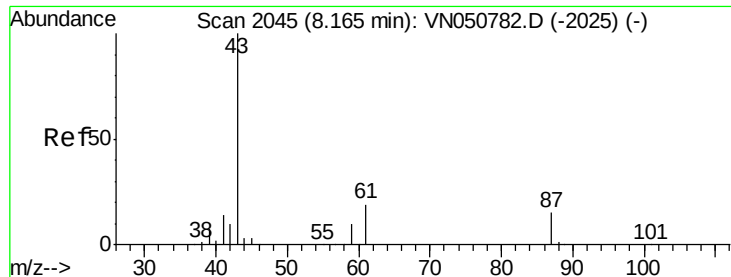
Tot Ion: 41 Resp: 166400
Ion Ratio Lower Upper
41 100
39 0.0 45.4 68.0#
67 0.0 70.6 106.0#
52 0.0 27.1 40.7#



#42
1,2-Dichloroethane
Concen: 20.30 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion: 62 Resp: 182662
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 20.73 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

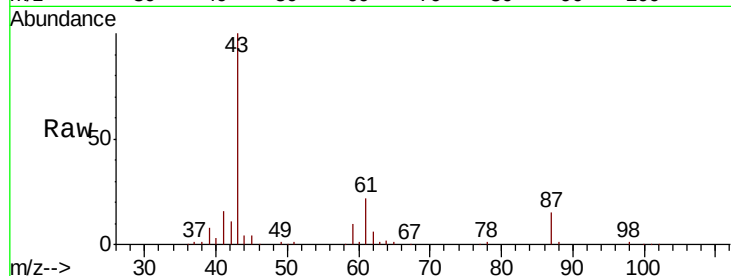
Tot Ion: 43 Resp: 204315

Ion Ratio Lower Upper

43 100

61 20.6 17.5 26.3

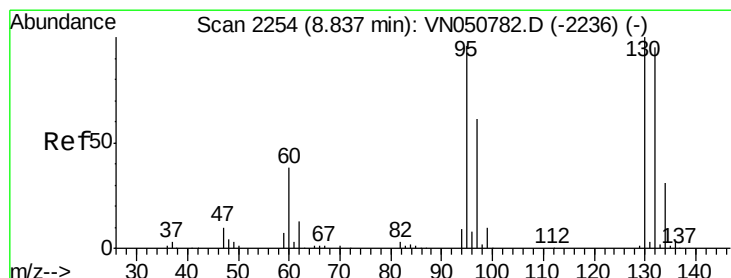
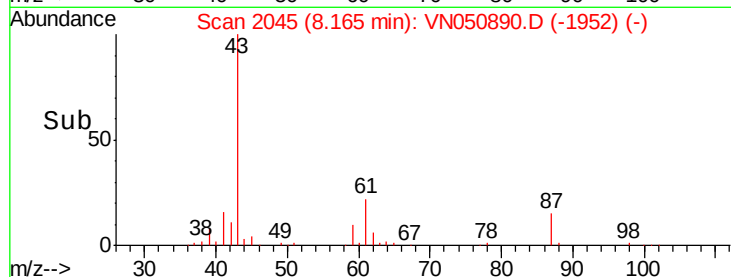
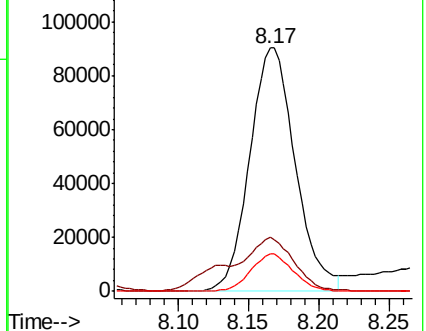
87 14.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.89 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050890.D

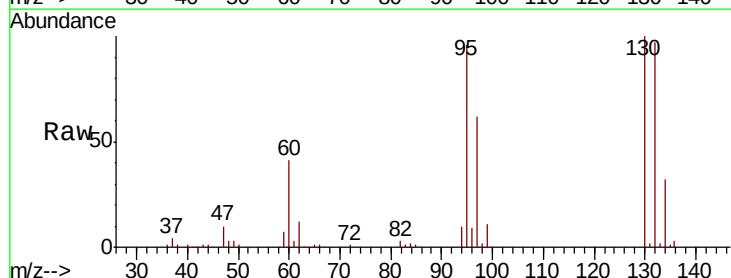
Acq: 27 Aug 2018 11:40

Tgt Ion:130 Resp: 157890

Ion Ratio Lower Upper

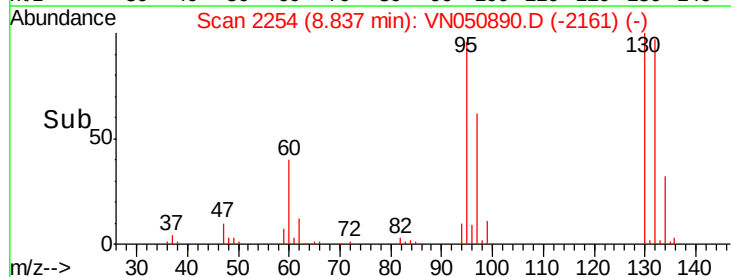
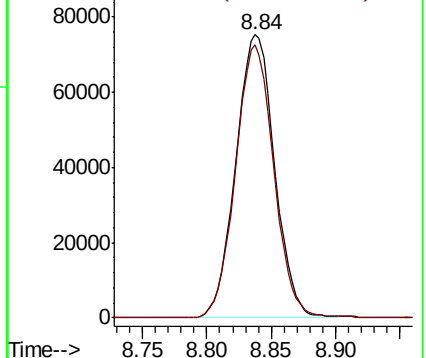
130 100

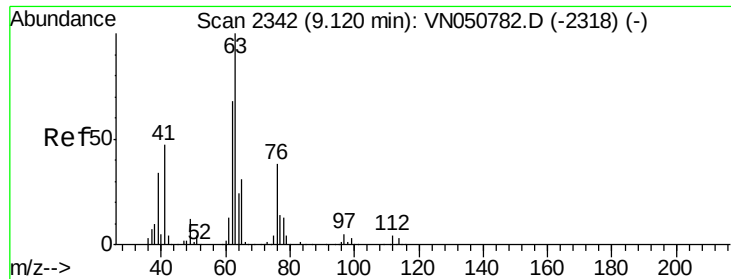
95 96.4 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

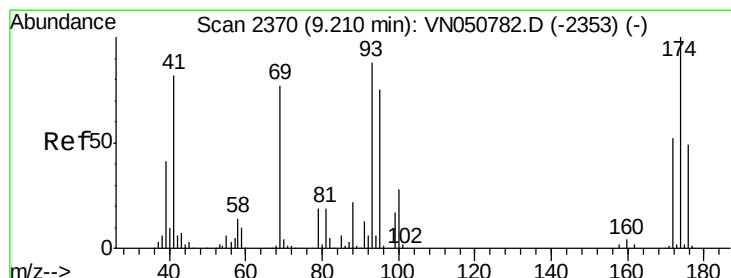
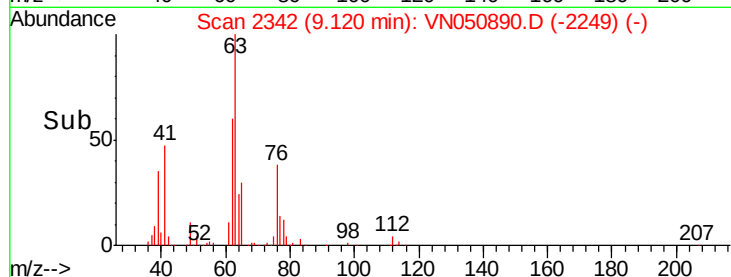
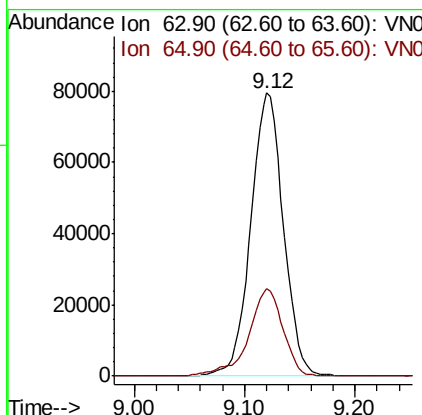
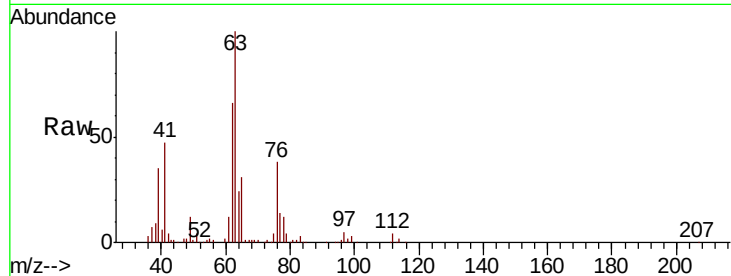




#45
 1,2-Dichloropropane
 Concen: 20.55 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

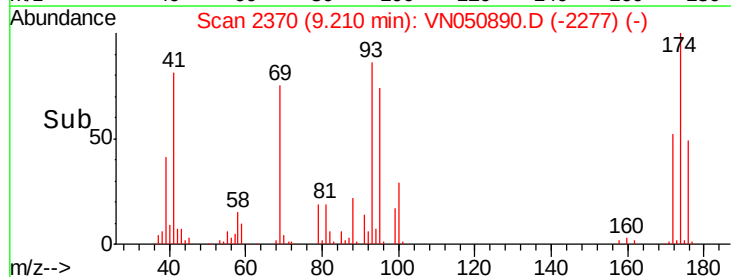
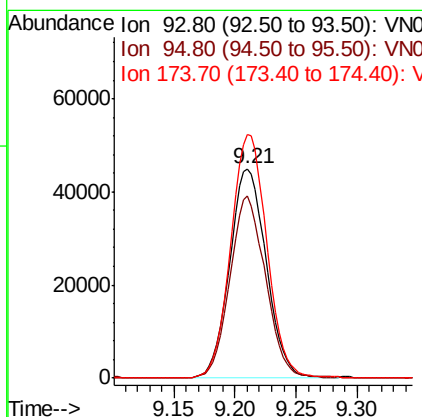
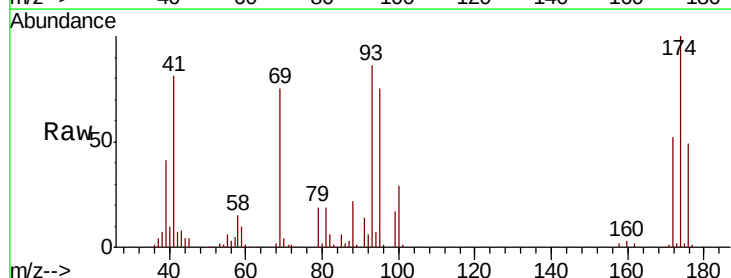
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

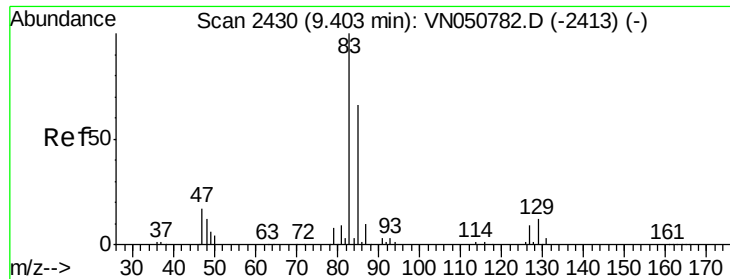
Tot Ion: 63 Resp: 162539
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6



#46
 Dibromomethane
 Concen: 20.20 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion: 93 Resp: 93888
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.7 100.1
 174 114.7 89.8 134.6





#47

Bromodichloromethane

Concen: 20.59 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

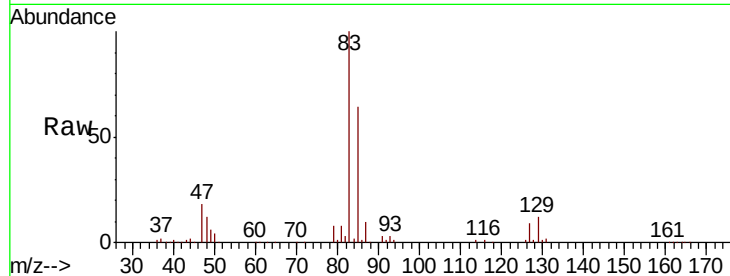
Tot Ion: 83 Resp: 200386

Ion Ratio Lower Upper

83 100

85 64.1 52.6 78.8

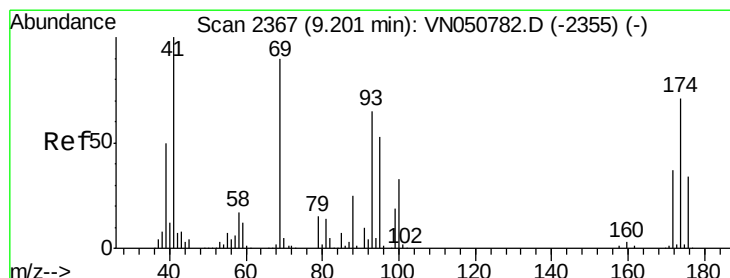
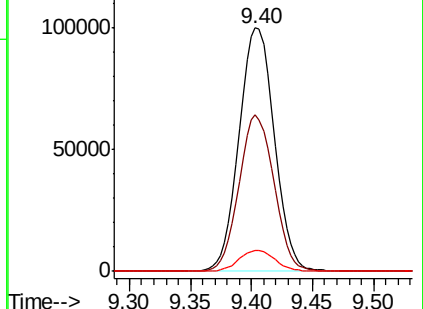
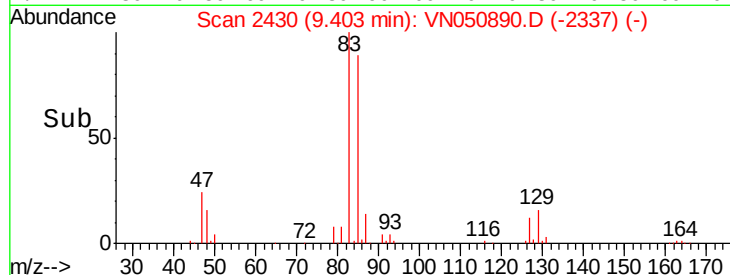
127 8.7 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050890.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050890.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050890.D (-2337) (-)



#48

Methyl methacrylate

Concen: 20.30 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

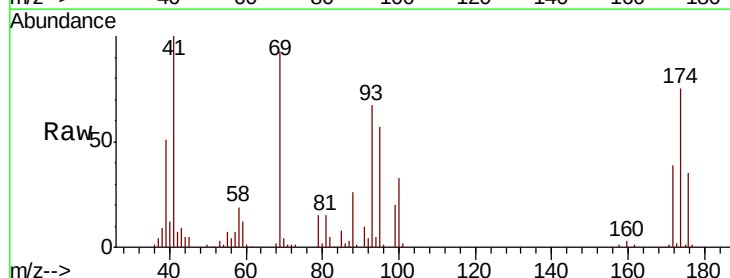
Tgt Ion: 41 Resp: 101972

Ion Ratio Lower Upper

41 100

69 94.5 74.7 112.1

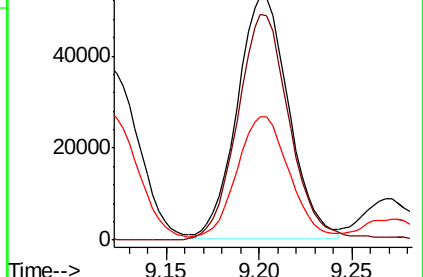
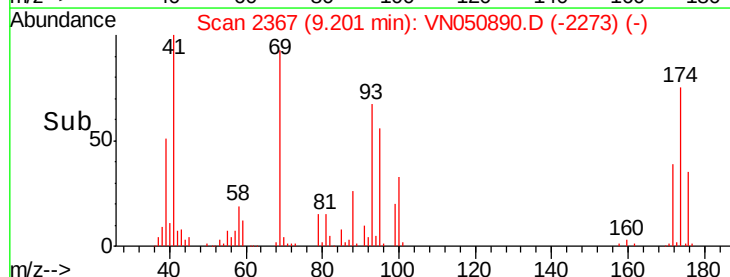
39 51.4 42.2 63.2

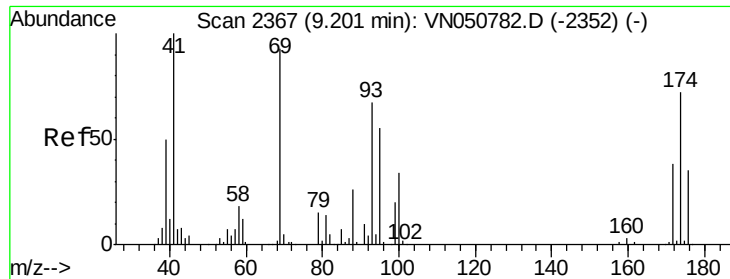


Abundance Ion 41.00 (40.70 to 41.70): VN050890.D (-2273) (-)

Ion 69.00 (68.70 to 69.70): VN050890.D (-2273) (-)

Ion 39.00 (38.70 to 39.70): VN050890.D (-2273) (-)





#49

1,4-Dioxane

Concen: 424.70 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

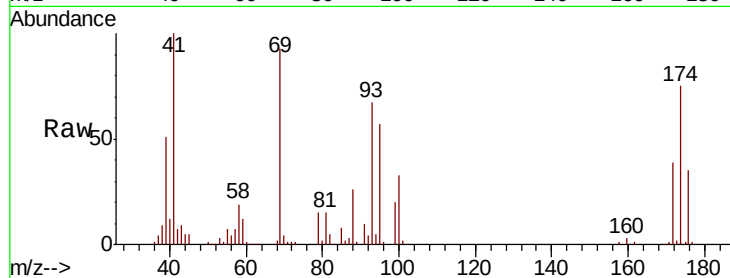
Tot Ion: 88 Resp: 29081

Ion Ratio Lower Upper

88 100

43 30.3 25.9 38.9

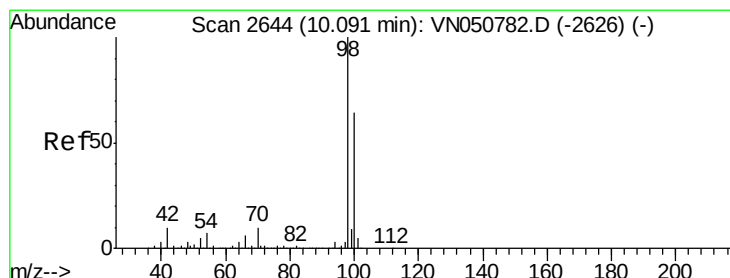
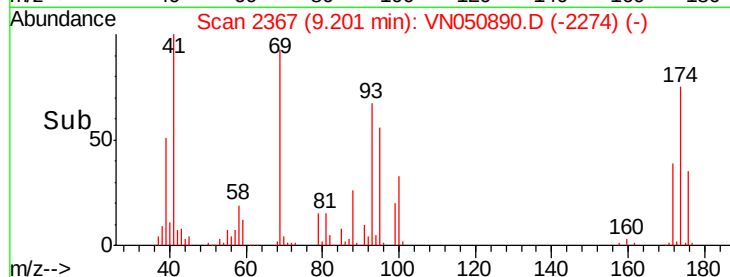
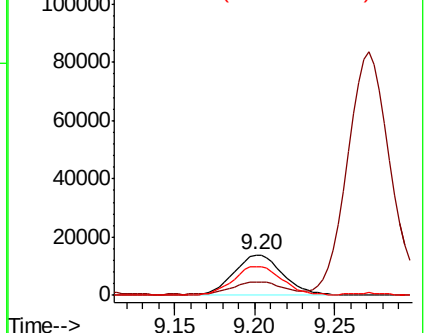
58 70.6 55.0 82.4



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



#50

Toluene-d8

Concen: 51.28 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050890.D

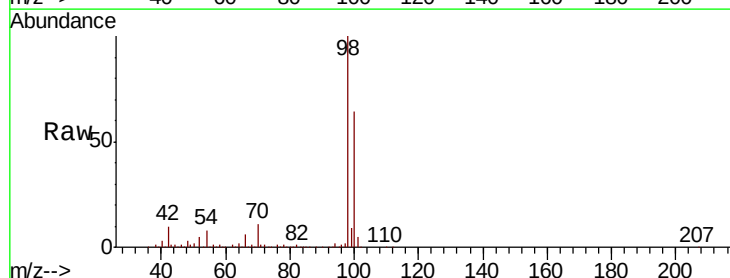
Acq: 27 Aug 2018 11:40

Tgt Ion: 98 Resp: 1289710

Ion Ratio Lower Upper

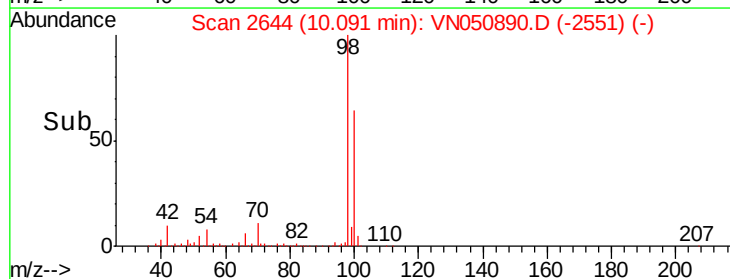
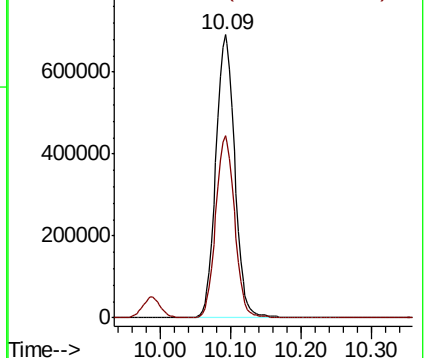
98 100

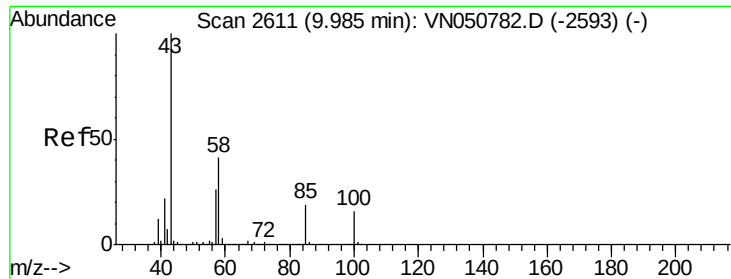
100 64.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

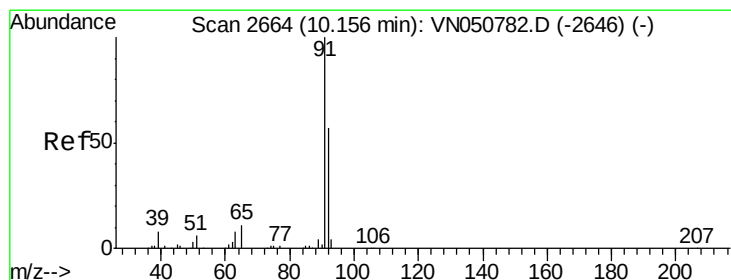
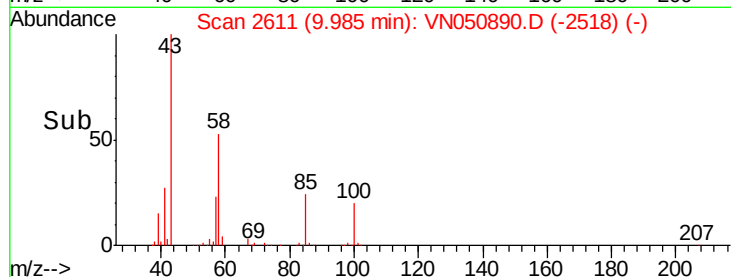
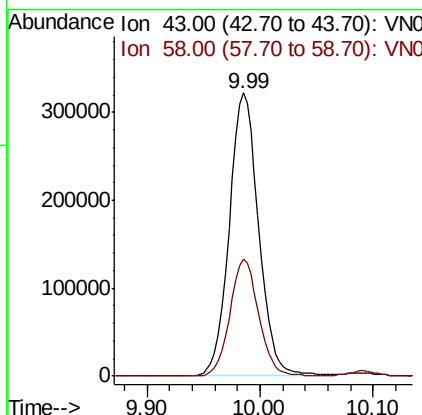
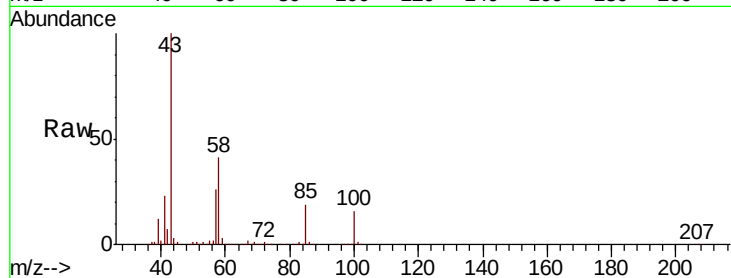




#51
 4-Methyl-2-Pentanone
 Concen: 98.67 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

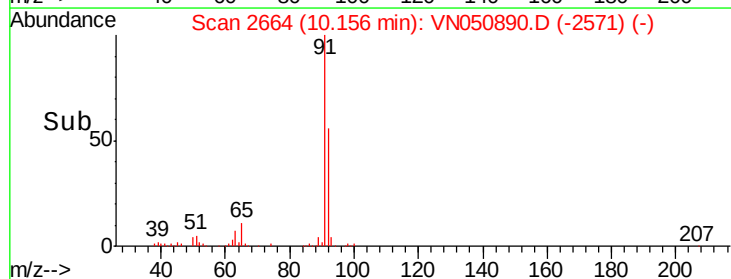
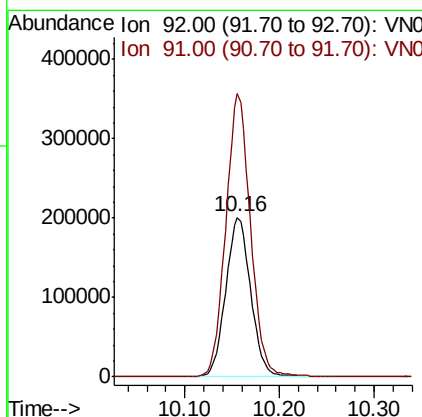
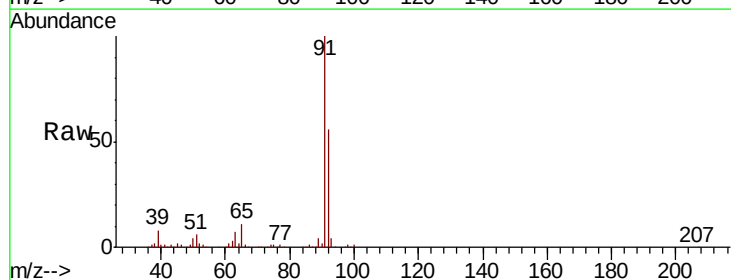
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

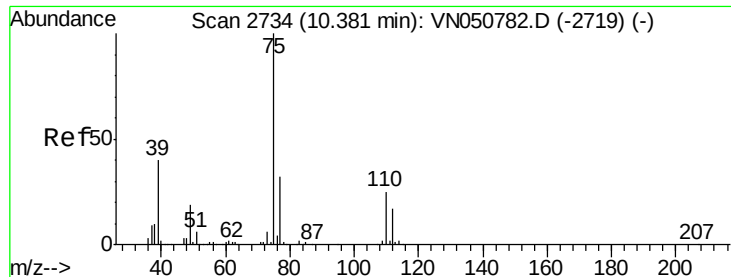
Tot Ion: 43 Resp: 580347
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.4 48.6



#52
 Toluene
 Concen: 20.75 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion: 92 Resp: 369850
 Ion Ratio Lower Upper
 92 100
 91 175.3 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.56 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

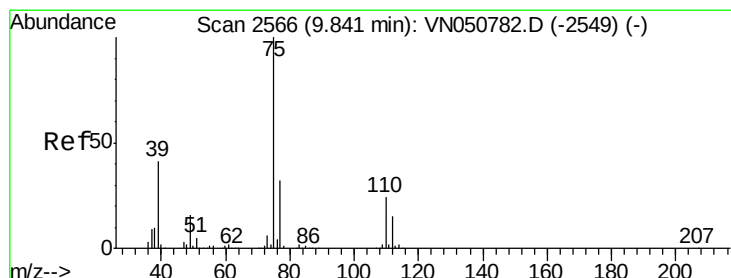
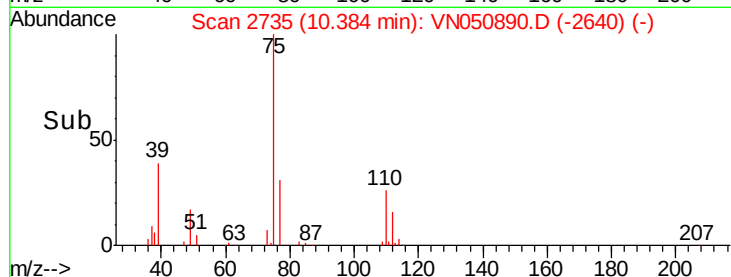
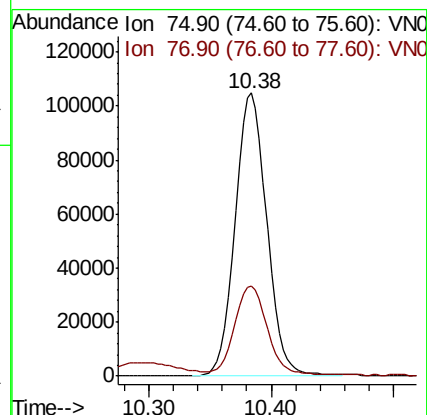
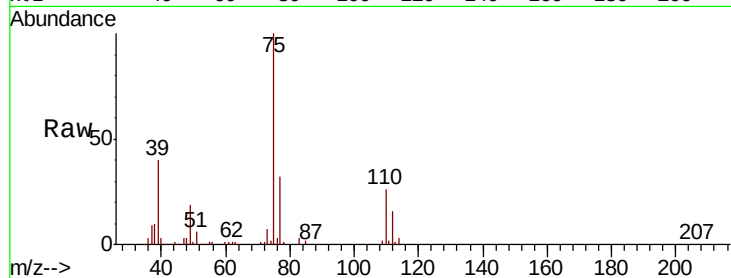
VN0827WBS01

Tot Ion: 75 Resp: 189508

Ion Ratio Lower Upper

75 100

77 31.1 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.23 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

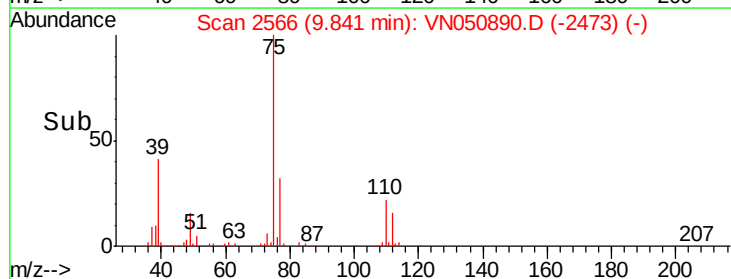
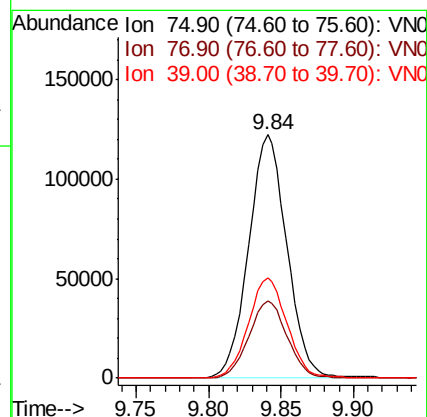
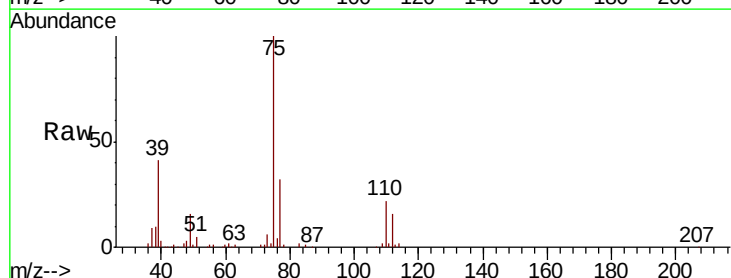
Tgt Ion: 75 Resp: 224393

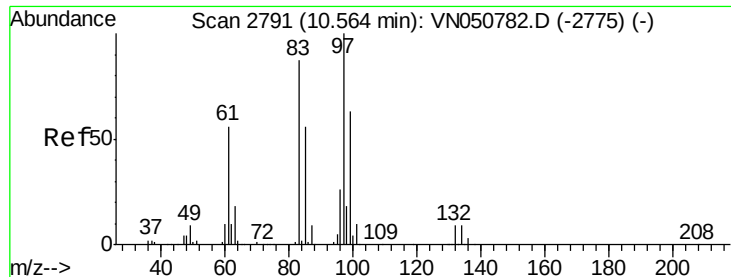
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2

39 41.0 33.0 49.4

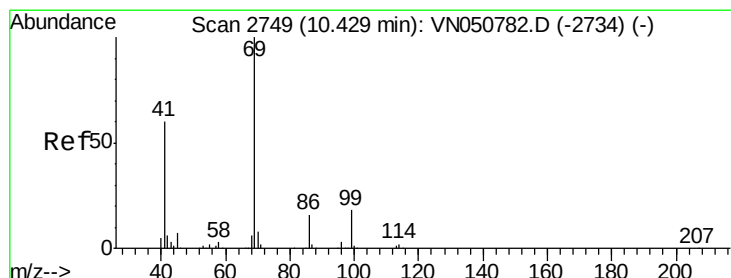
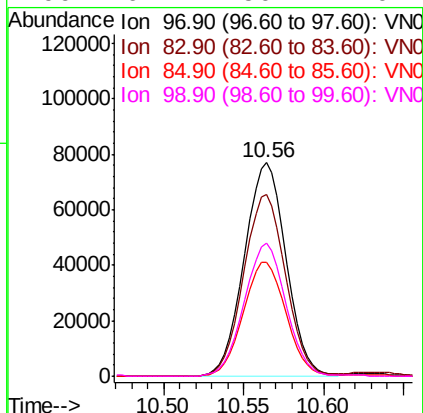
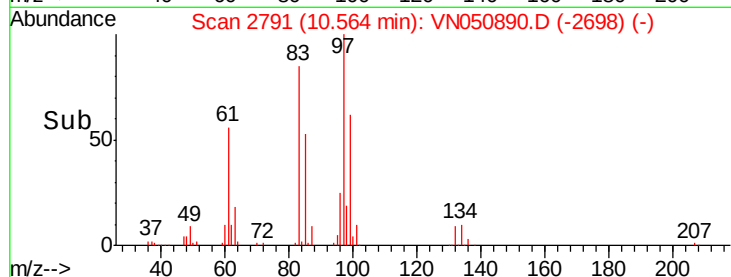
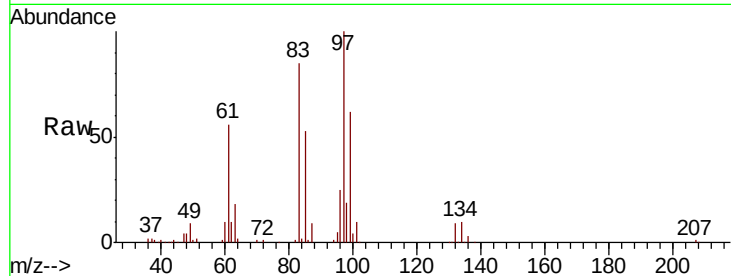




#55
 1,1,2-Trichloroethane
 Concen: 20.82 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

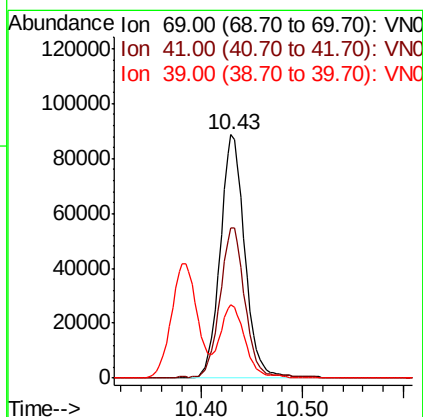
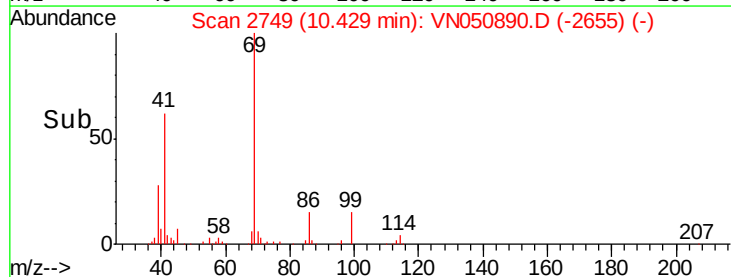
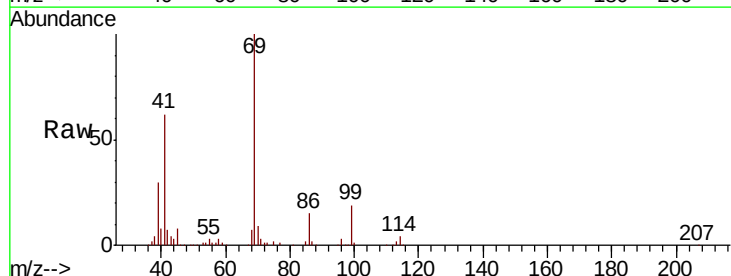
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

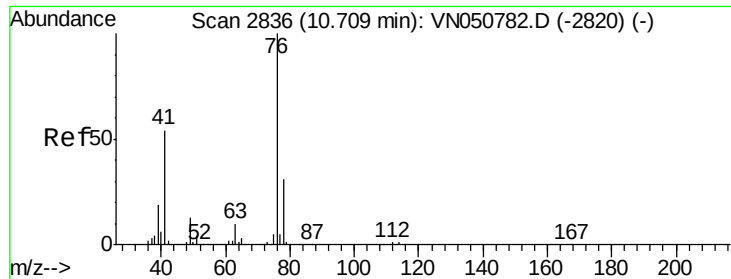
Tot Ion: 97 Resp: 137779
 Ion Ratio Lower Upper
 97 100
 83 85.1 69.7 104.5
 85 53.4 44.5 66.7
 99 62.1 50.7 76.1



#56
 Ethyl methacrylate
 Concen: 19.06 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion: 69 Resp: 150925
 Ion Ratio Lower Upper
 69 100
 41 61.7 48.3 72.5
 39 29.9 24.0 36.0





#57

1,3-Dichloropropane

Concen: 20.47 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

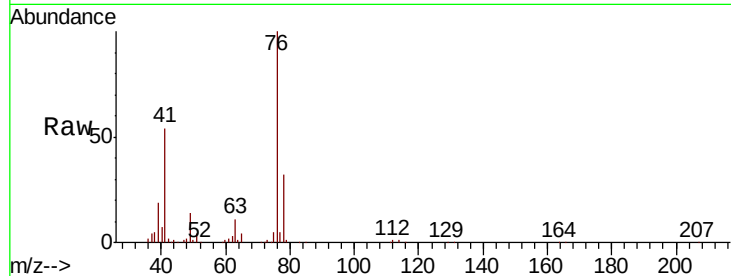
VN0827WBS01

Tot Ion: 76 Resp: 223542

Ion Ratio Lower Upper

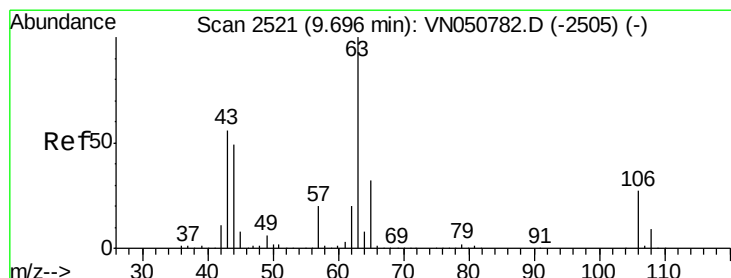
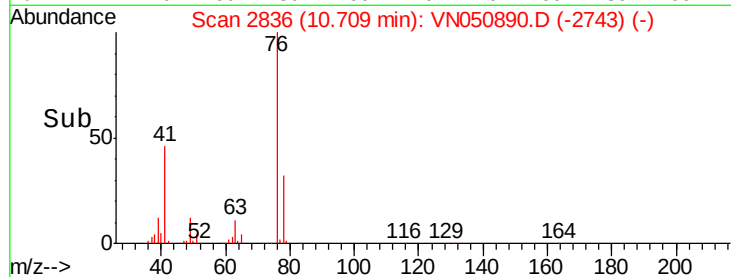
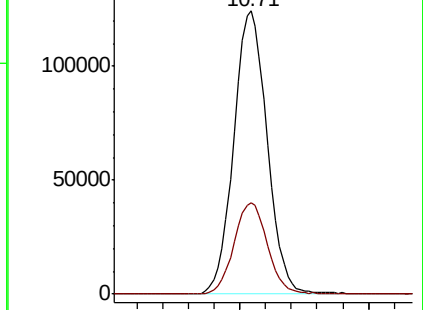
76 100

78 32.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.01 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050890.D

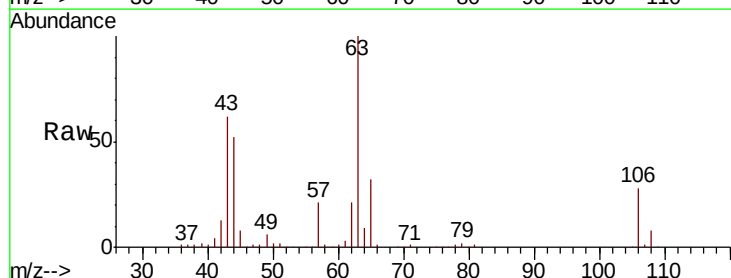
Acq: 27 Aug 2018 11:40

Tgt Ion: 63 Resp: 315066

Ion Ratio Lower Upper

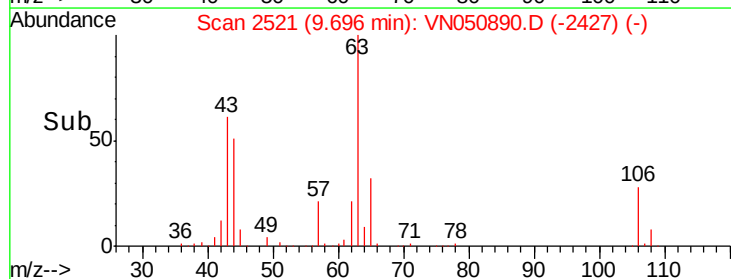
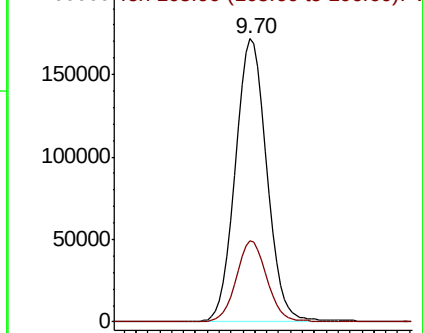
63 100

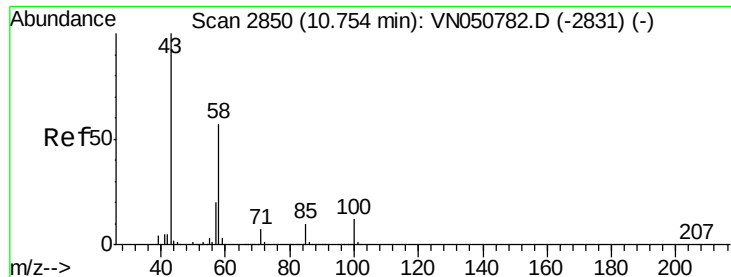
106 27.8 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

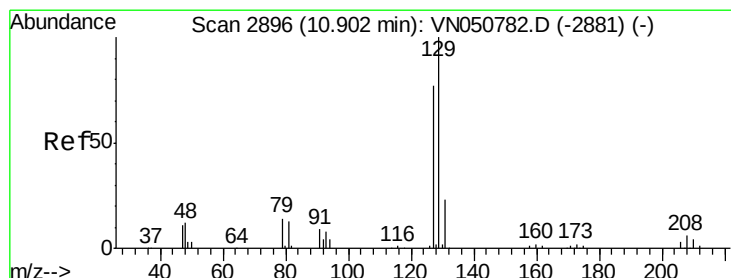
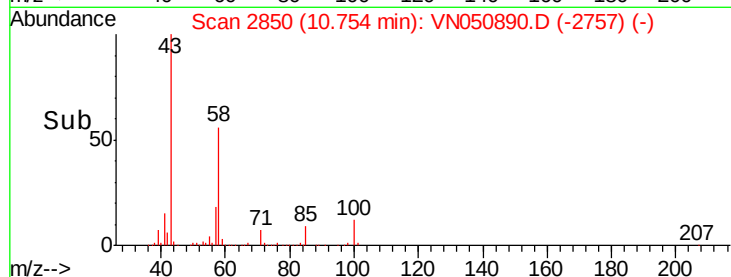
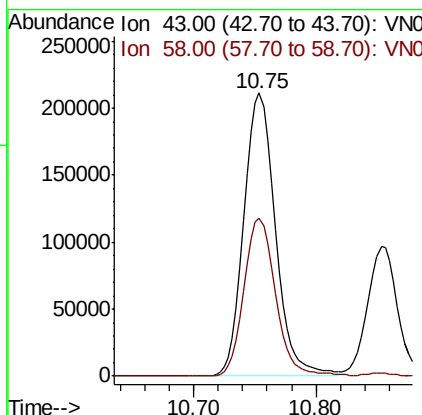
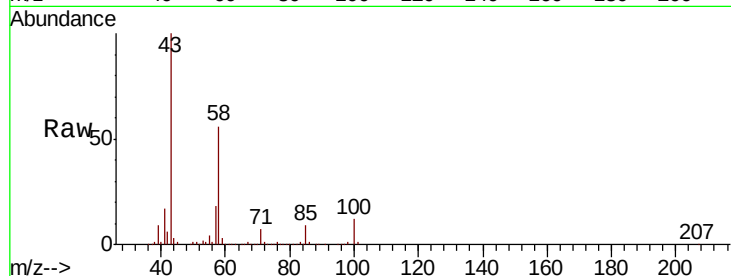




#59
2-Hexanone
Concen: 95.85 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

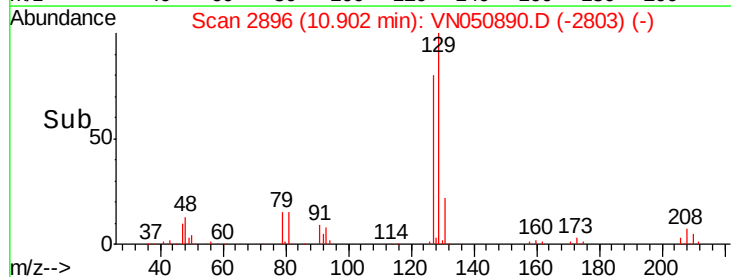
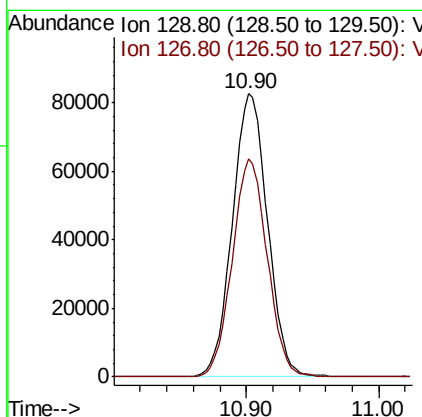
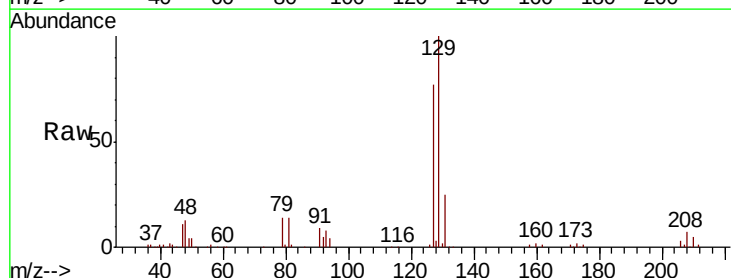
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

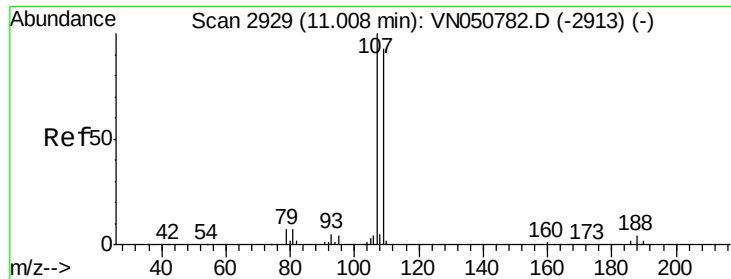
Tot Ion: 43 Resp: 375308
Ion Ratio Lower Upper
43 100
58 56.0 28.3 85.0



#60
Dibromochloromethane
Concen: 20.51 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion: 129 Resp: 151958
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.37 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

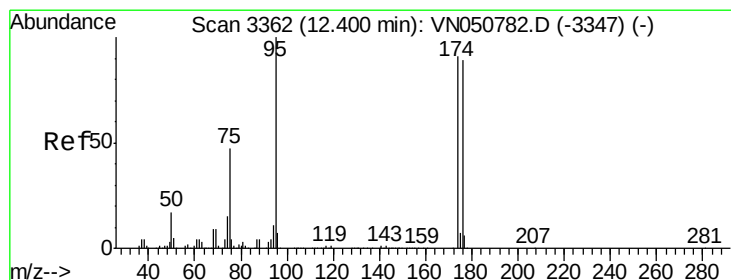
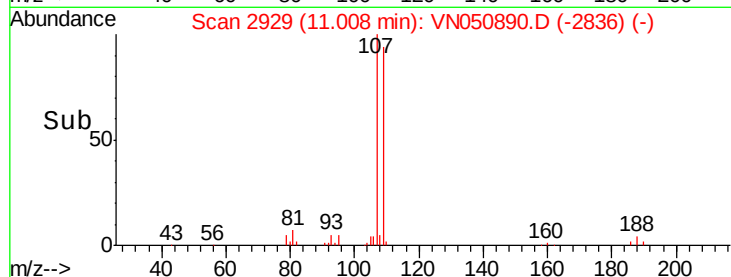
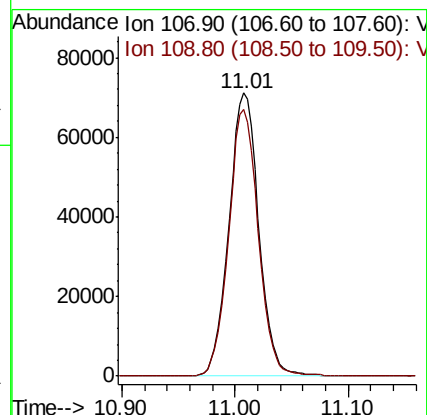
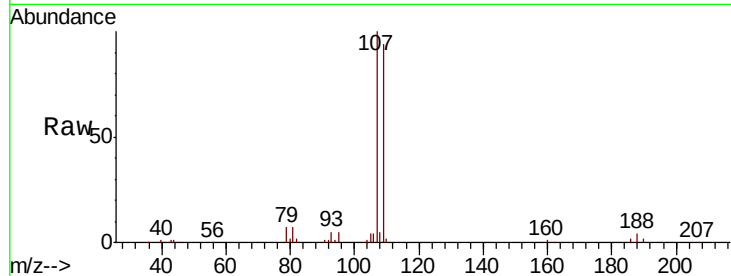
VN0827WBS01

Tot Ion:107 Resp: 130297

Ion Ratio Lower Upper

107 100

109 93.6 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 49.48 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

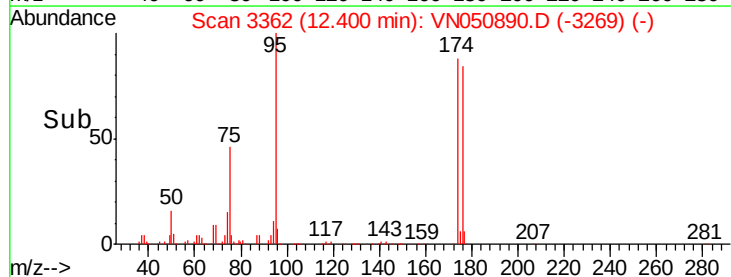
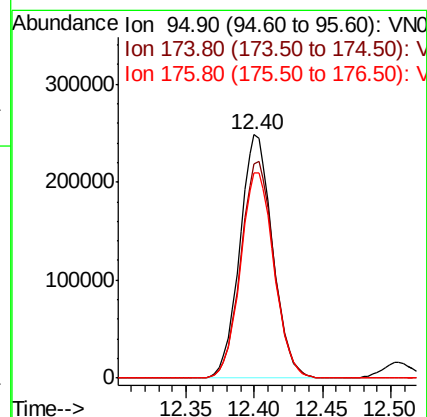
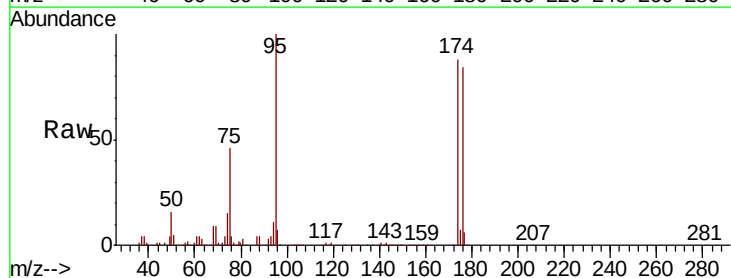
Tgt Ion: 95 Resp: 413556

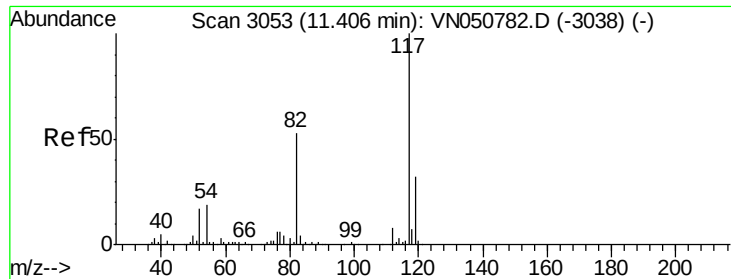
Ion Ratio Lower Upper

95 100

174 90.2 0.0 183.0

176 86.5 0.0 178.8

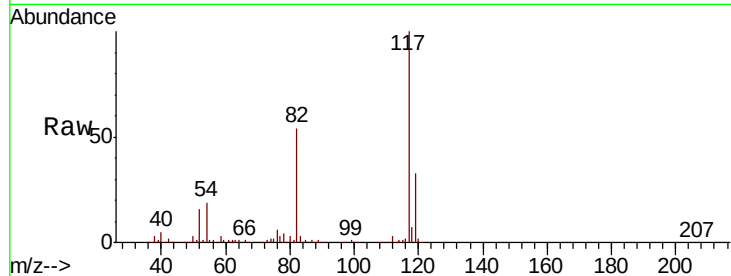




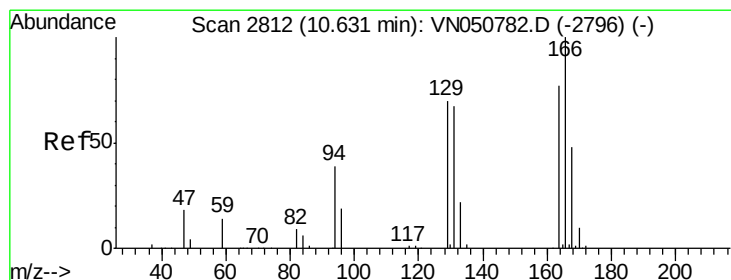
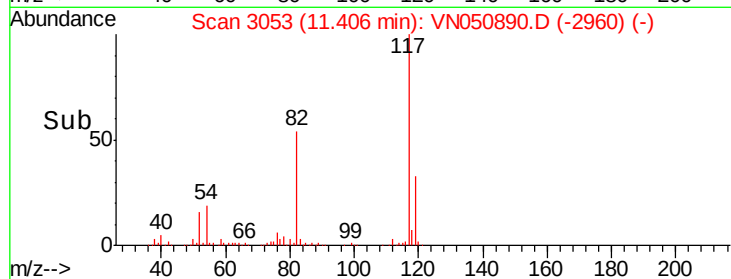
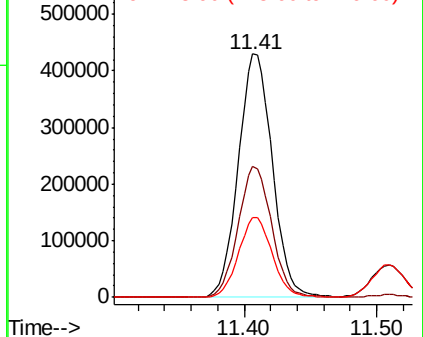
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

Tot Ion:117 Resp: 768503
Ion Ratio Lower Upper
117 100
82 53.6 42.6 64.0
119 32.5 25.8 38.6

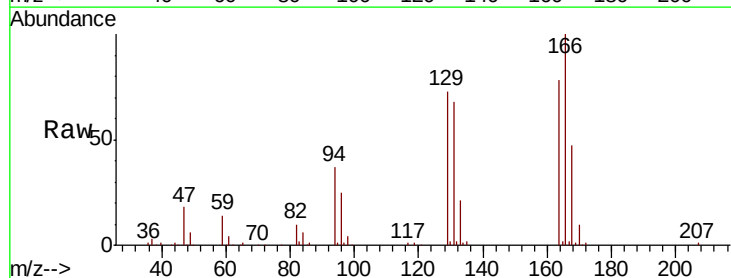


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

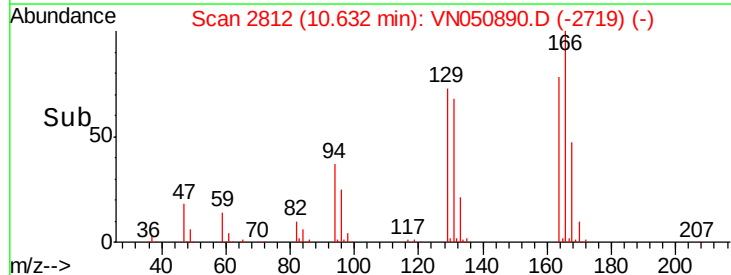
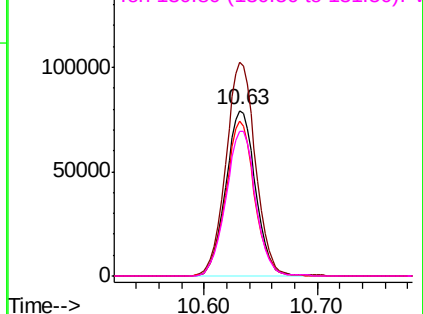


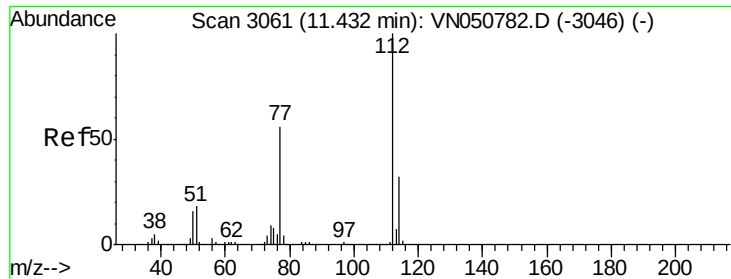
#64
Tetrachloroethene
Concen: 19.79 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion:164 Resp: 144464
Ion Ratio Lower Upper
164 100
166 129.0 103.5 155.3
129 94.0 72.7 109.1
131 87.5 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.74 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

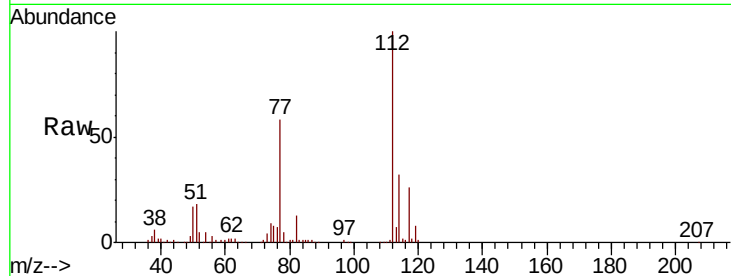
VN0827WBS01

Tot Ion:112 Resp: 396577

Ion Ratio Lower Upper

112 100

114 32.5 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

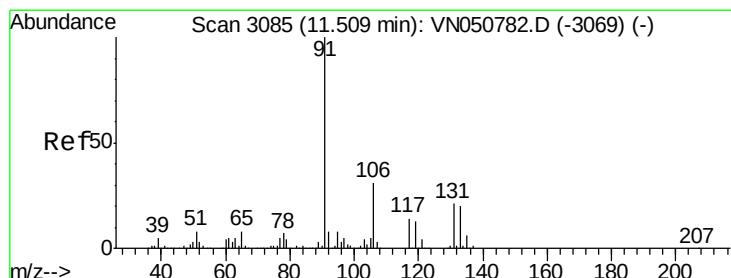
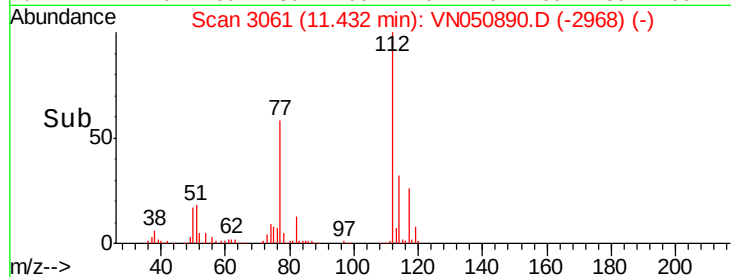
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.35 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

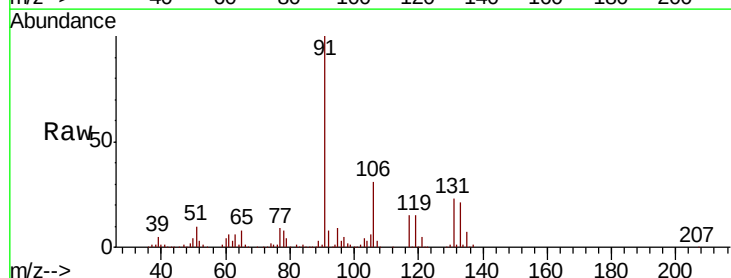
Tgt Ion:131 Resp: 149547

Ion Ratio Lower Upper

131 100

133 96.3 47.4 142.3

119 68.4 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

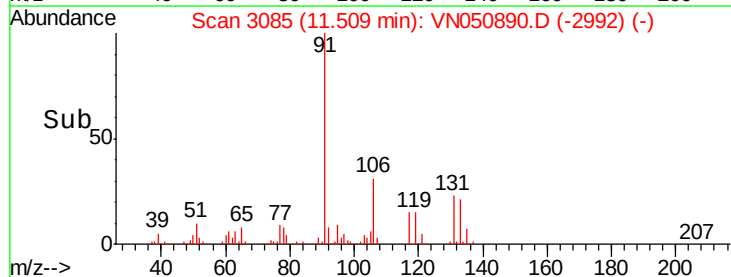
150000

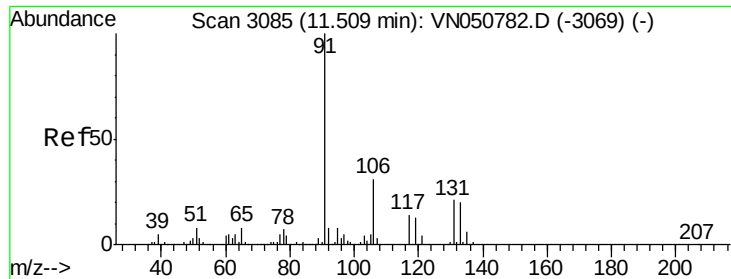
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 20.02 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

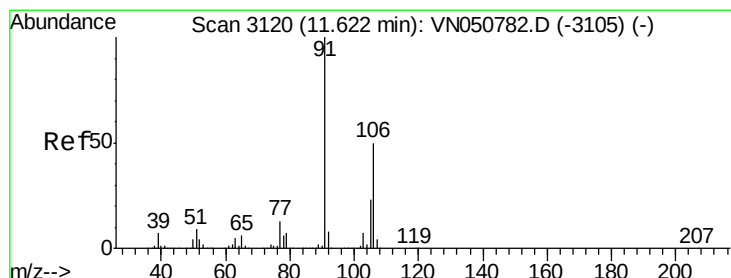
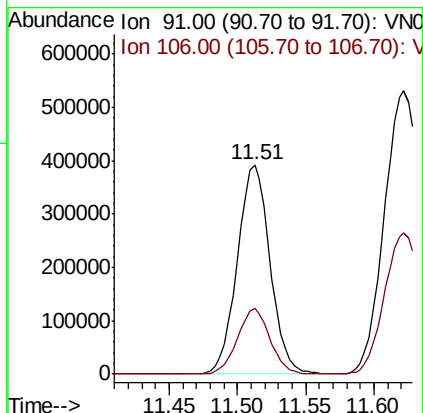
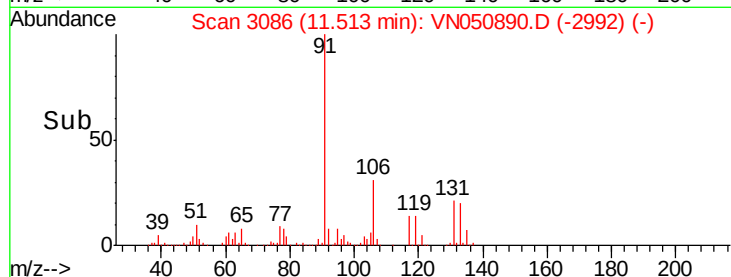
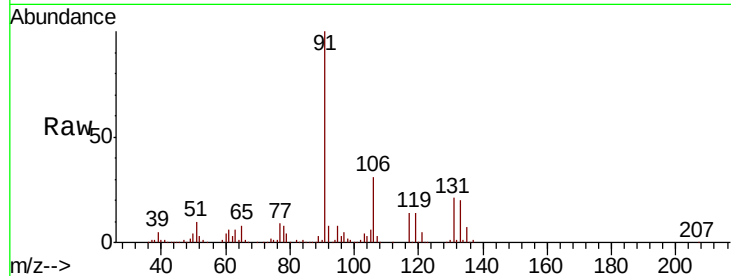
VN0827WBS01

Tot Ion: 91 Resp: 653721

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4



#68

m/p-Xylenes

Concen: 41.34 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050890.D

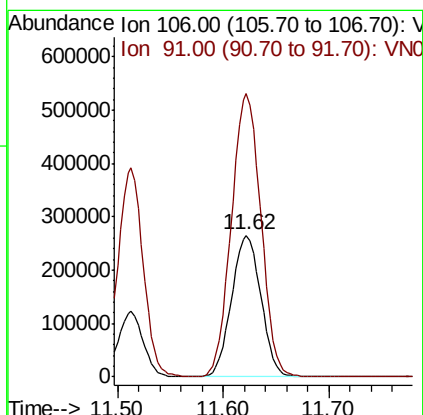
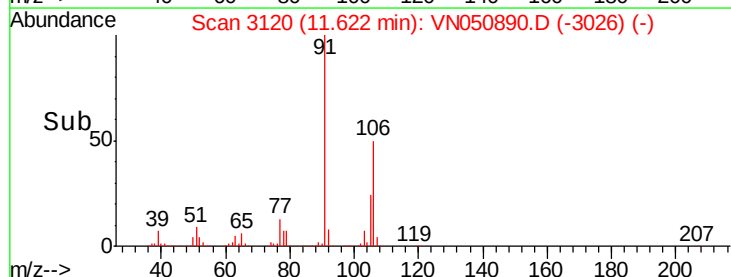
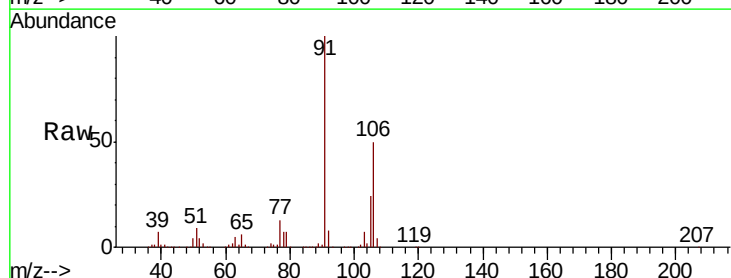
Acq: 27 Aug 2018 11:40

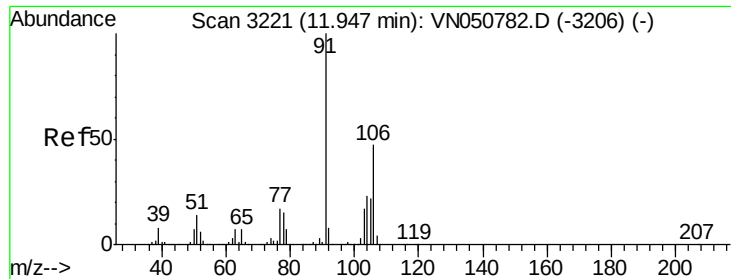
Tgt Ion: 106 Resp: 512485

Ion Ratio Lower Upper

106 100

91 200.3 161.0 241.6

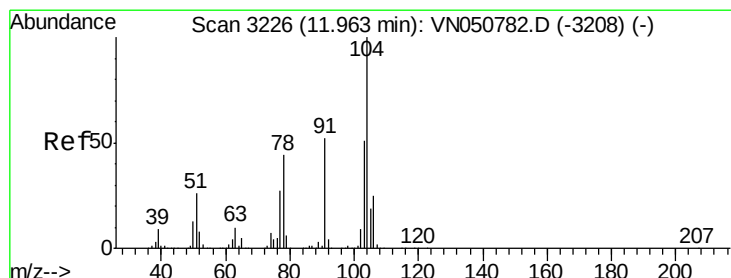
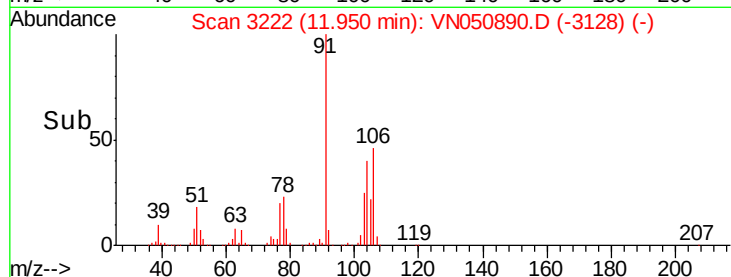
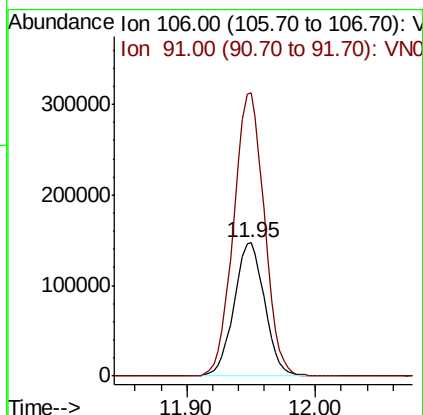
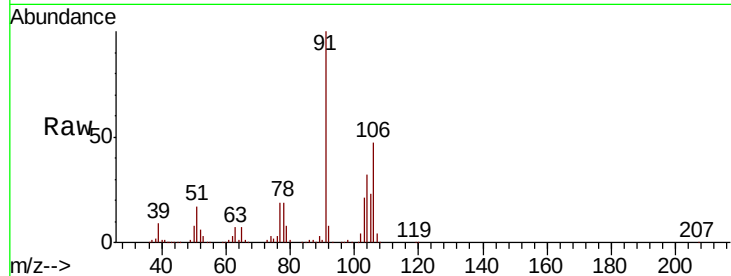




#69
o-Xylene
Concen: 20.37 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

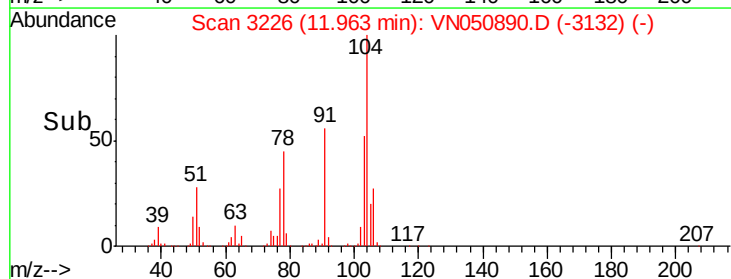
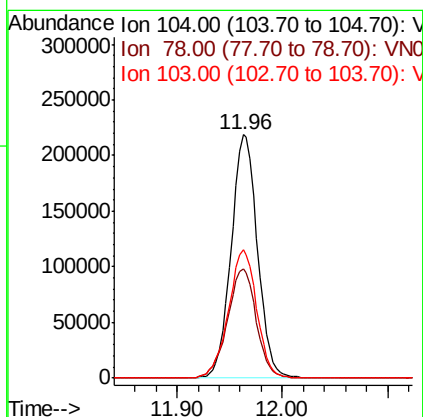
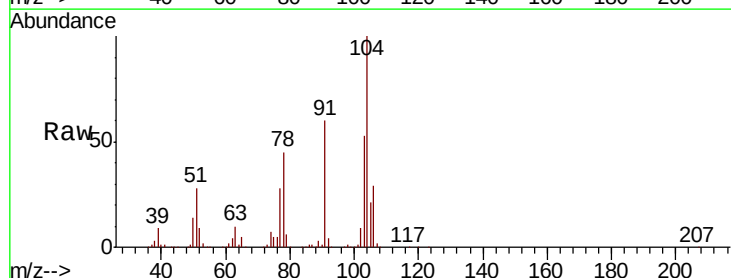
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS01

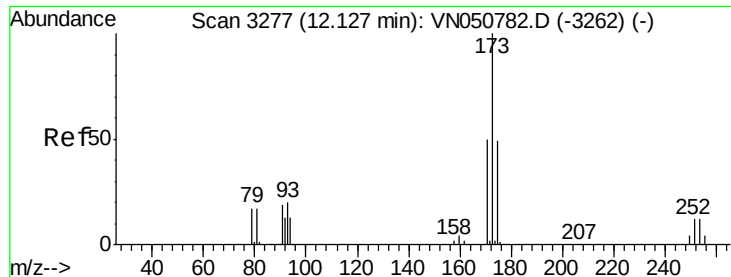
Tot Ion:106 Resp: 242771
Ion Ratio Lower Upper
106 100
91 213.5 106.5 319.5



#70
Styrene
Concen: 18.79 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050890.D
Acq: 27 Aug 2018 11:40

Tgt Ion:104 Resp: 377492
Ion Ratio Lower Upper
104 100
78 49.1 38.2 57.4
103 56.6 44.4 66.6

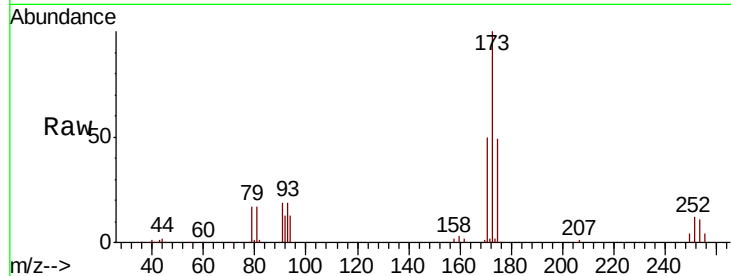




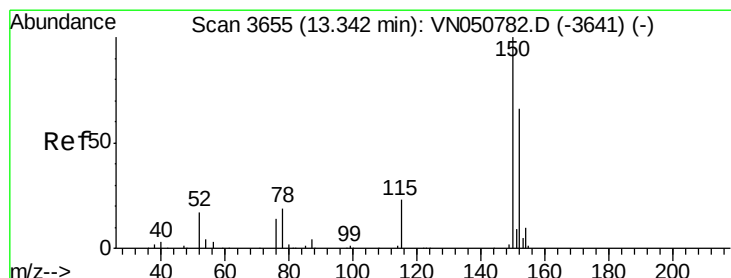
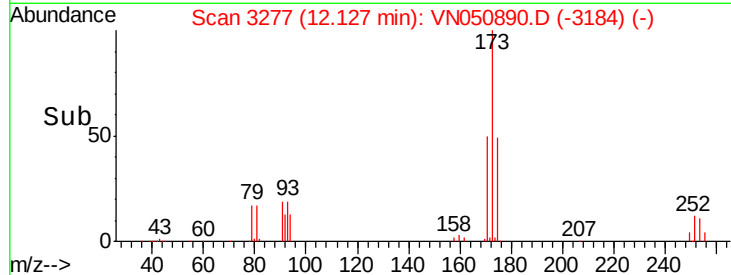
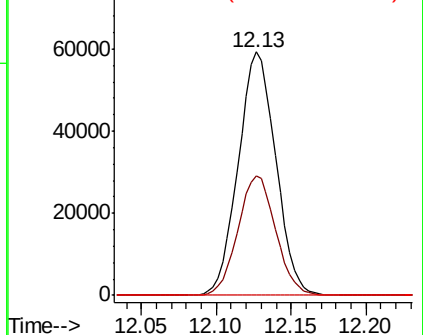
#71
 Bromoform
 Concen: 20.47 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion:173 Resp: 103441
 Ion Ratio Lower Upper
 173 100
 175 49.4 24.4 73.4
 254 0.0 0.1 0.1#

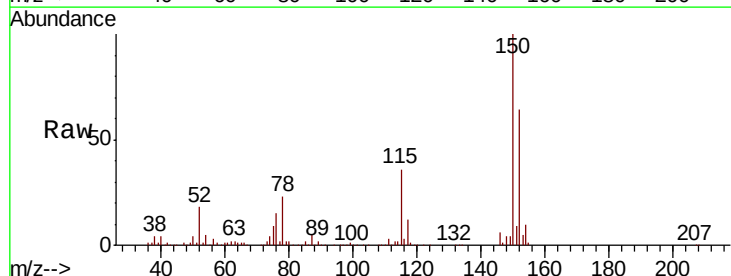


Abundance Ion 172.70 (172.40 to 173.40): V
 Ion 174.70 (174.40 to 175.40): V
 Ion 254.40 (254.10 to 255.10): V

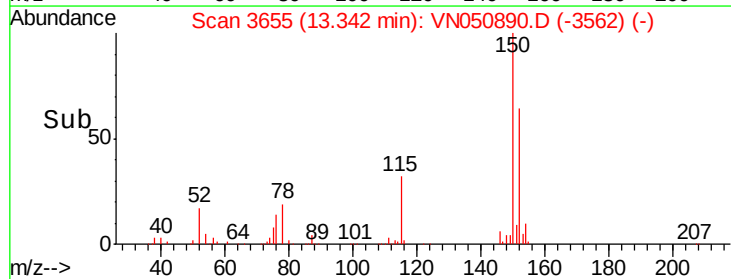
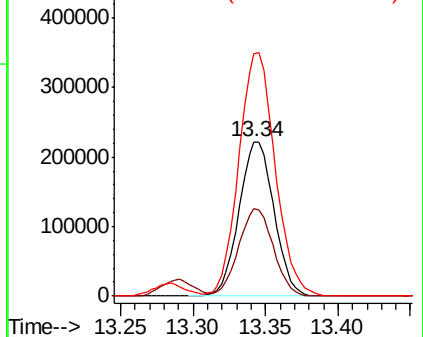


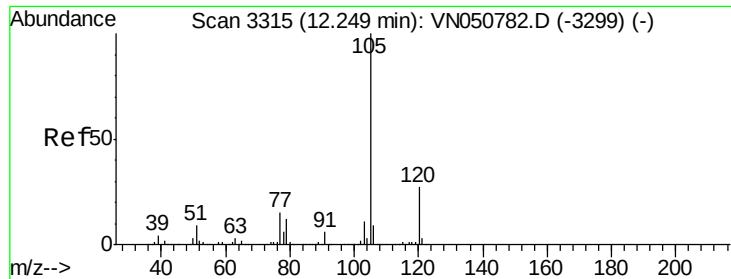
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion:152 Resp: 371474
 Ion Ratio Lower Upper
 152 100
 115 56.4 27.8 83.4
 150 164.1 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.82 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

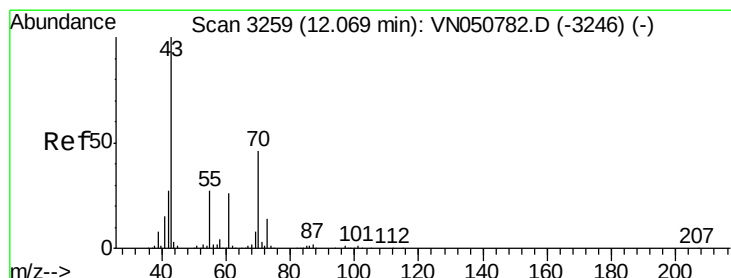
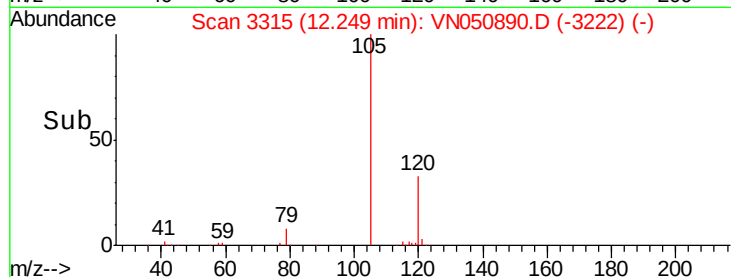
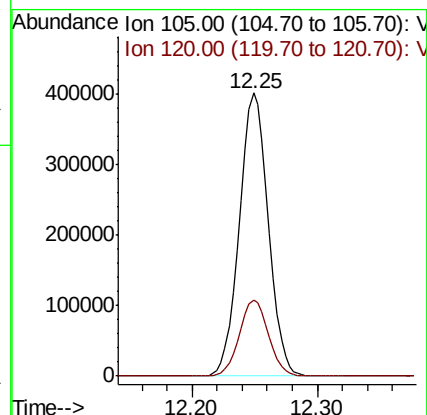
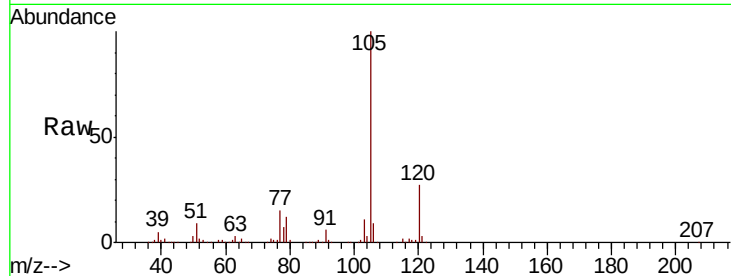
VN0827WBS01

Tot Ion:105 Resp: 640316

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.4



#74

N-ethyl acetate

Concen: 19.84 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Tgt Ion: 43 Resp: 153354

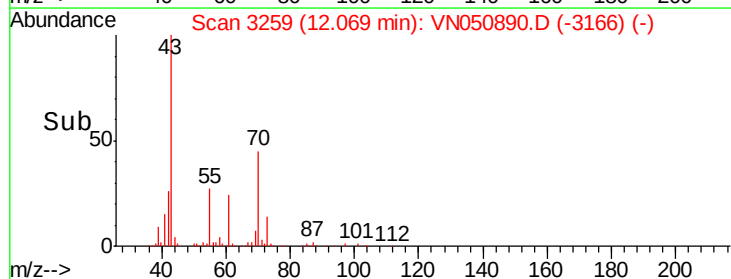
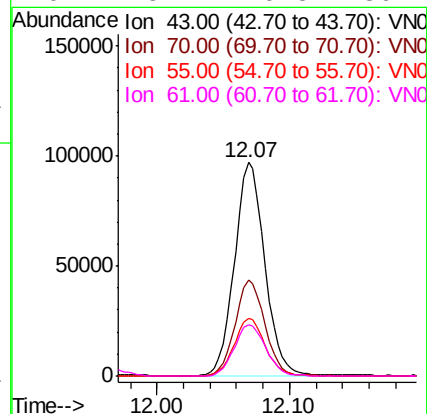
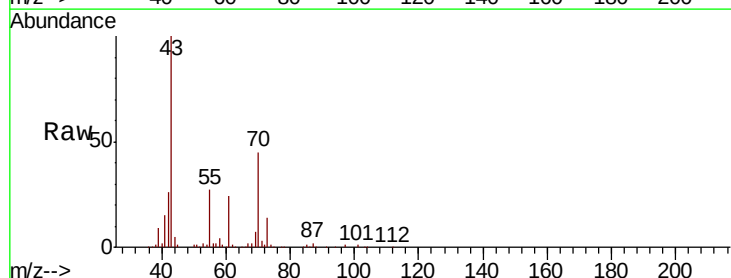
Ion Ratio Lower Upper

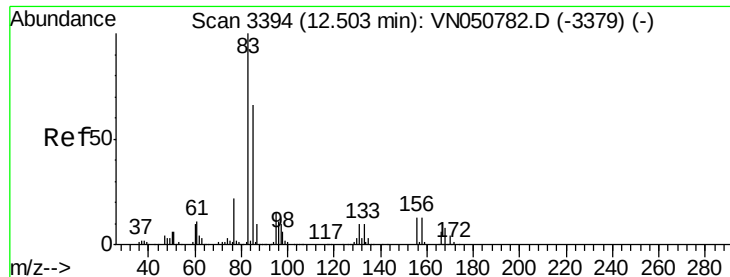
43 100

70 44.6 36.2 54.2

55 28.0 21.8 32.8

61 25.1 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.15 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

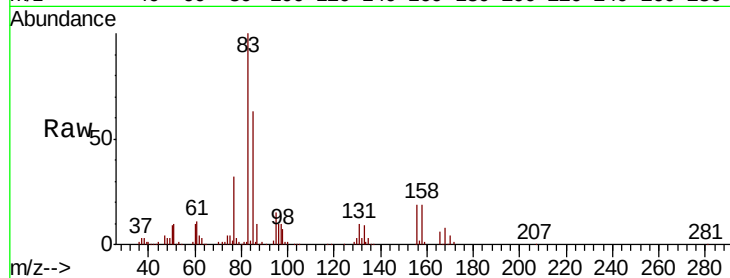
Tot Ion: 83 Resp: 169083

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

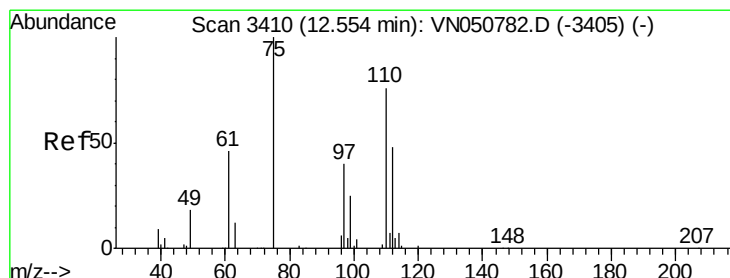
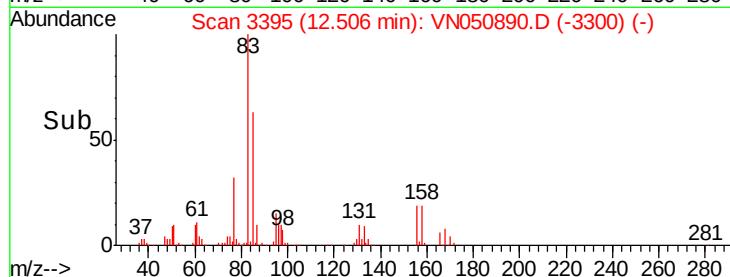
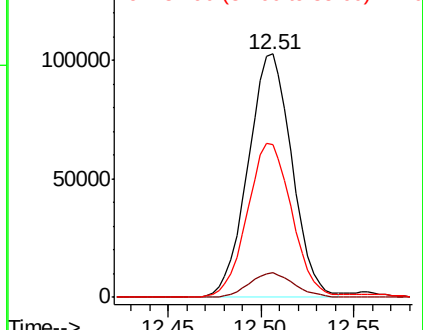
85 64.2 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.69 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050890.D

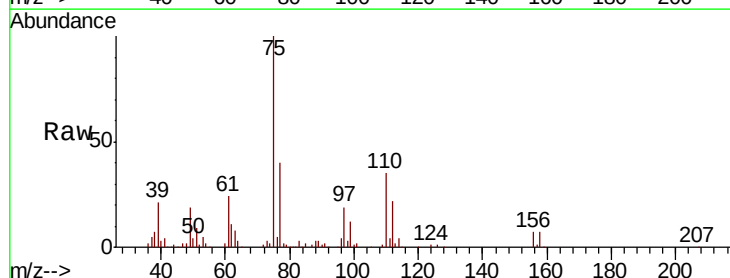
Acq: 27 Aug 2018 11:40

Tgt Ion: 75 Resp: 193154

Ion Ratio Lower Upper

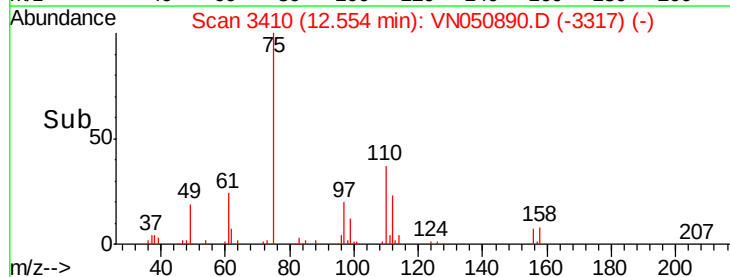
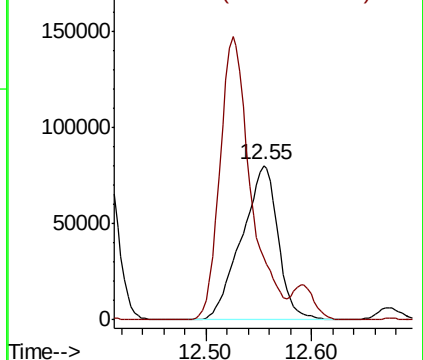
75 100

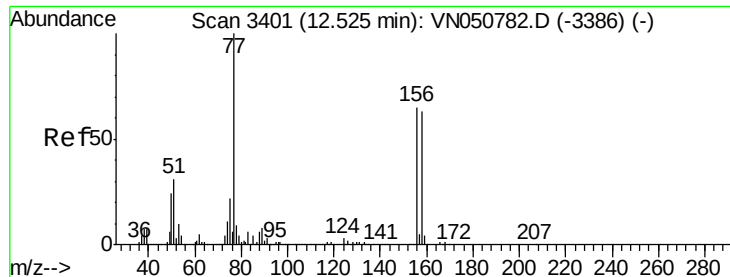
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.96 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS01

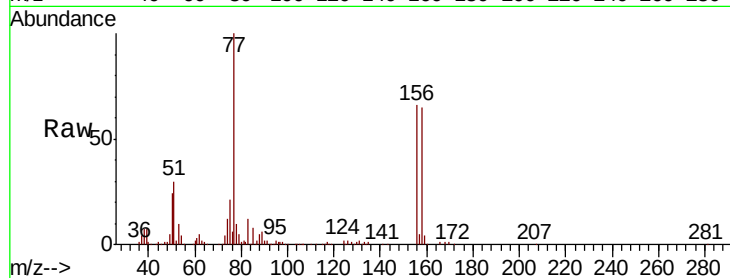
Tot Ion:156 Resp: 166855

Ion Ratio Lower Upper

156 100

77 179.2 89.9 269.7

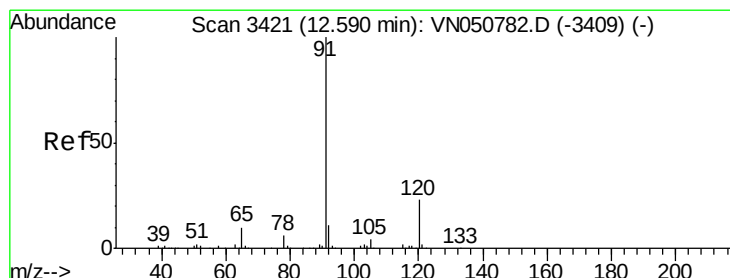
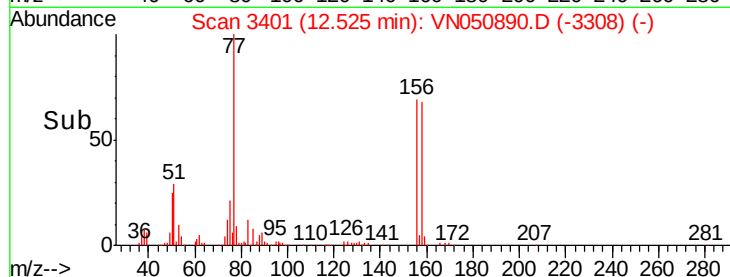
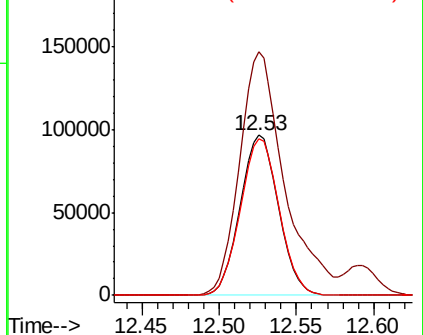
158 98.8 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.92 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050890.D

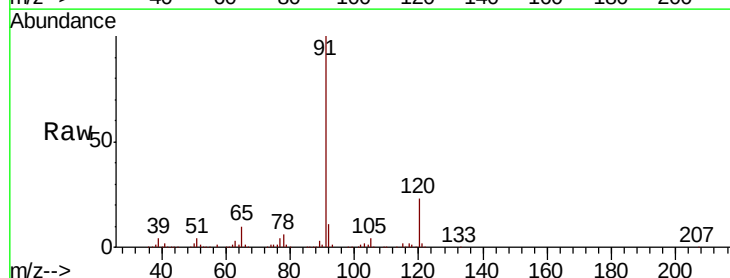
Acq: 27 Aug 2018 11:40

Tgt Ion: 91 Resp: 718799

Ion Ratio Lower Upper

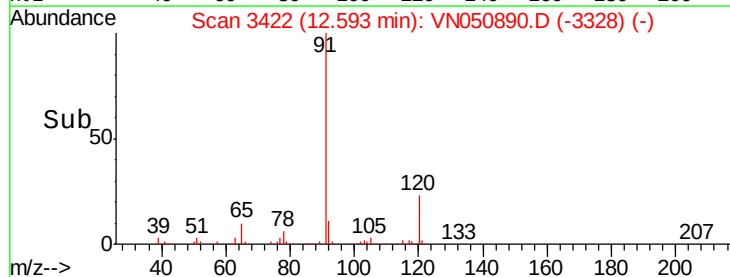
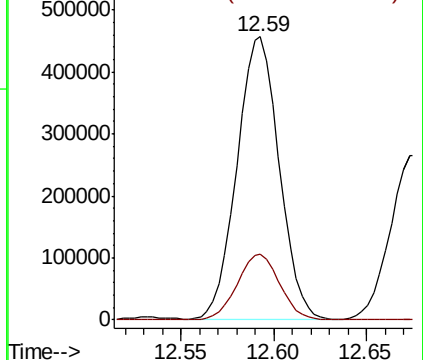
91 100

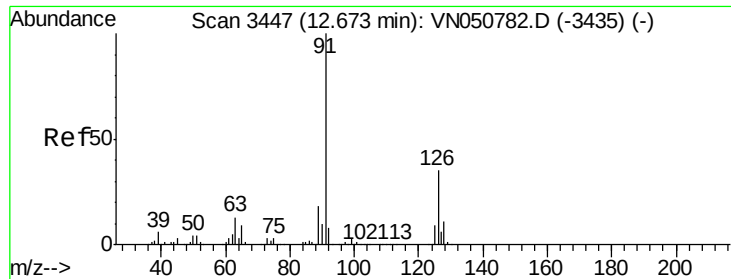
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.55 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

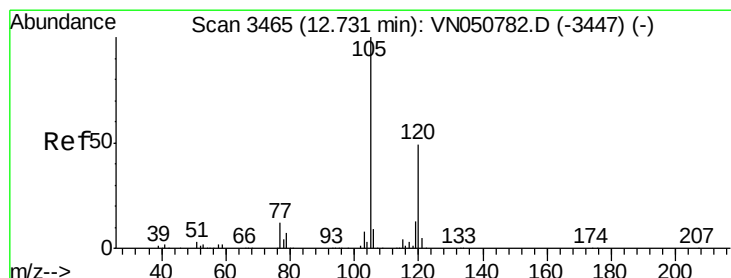
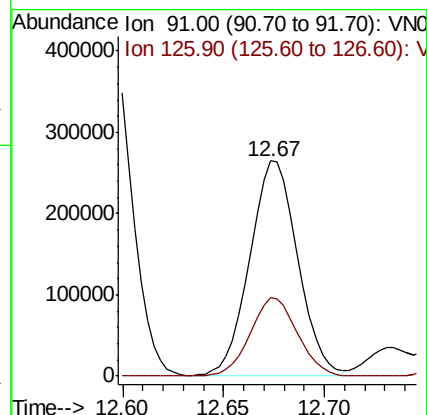
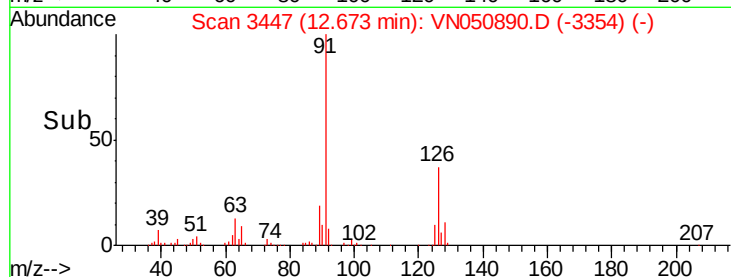
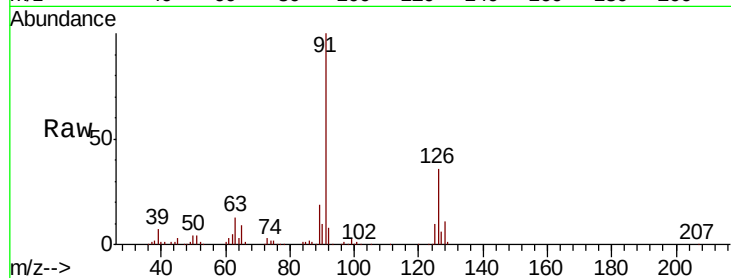
VN0827WBS01

Tot Ion: 91 Resp: 439895

Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.45 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. 0.00 min

Lab File: VN050890.D

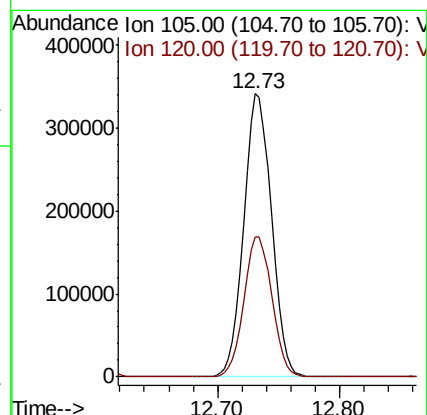
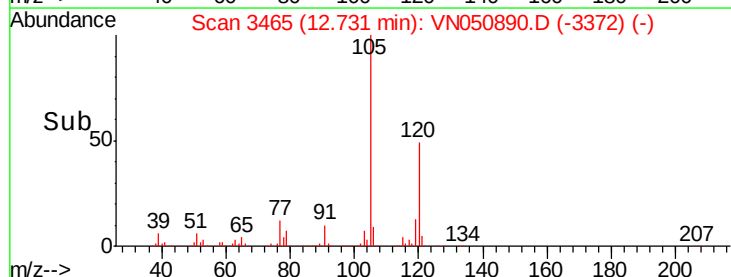
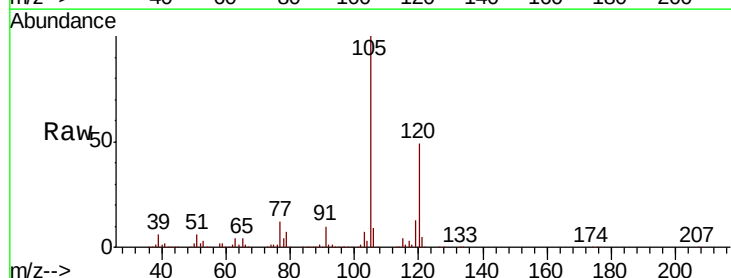
Acq: 27 Aug 2018 11:40

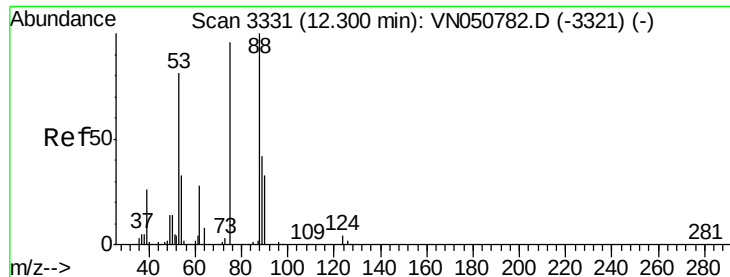
Tgt Ion: 105 Resp: 532466

Ion Ratio Lower Upper

105 100

120 50.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.81 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

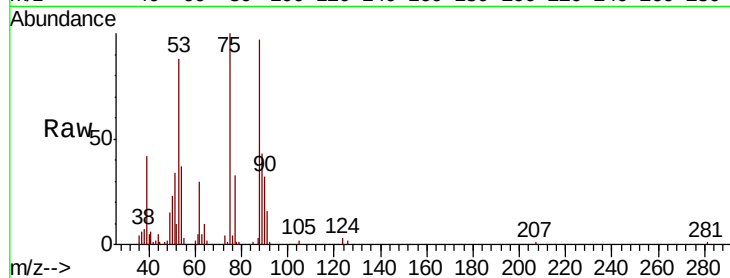
Tot Ion: 75 Resp: 38129

Ion Ratio Lower Upper

75 100

53 89.1 68.9 103.3

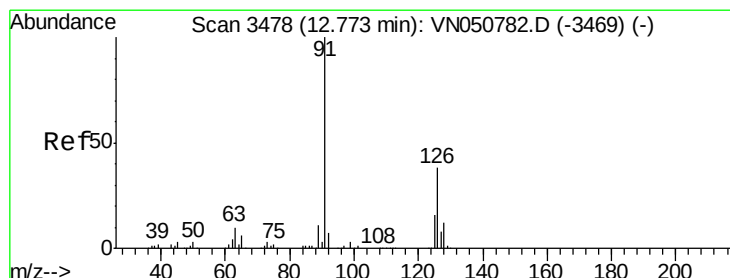
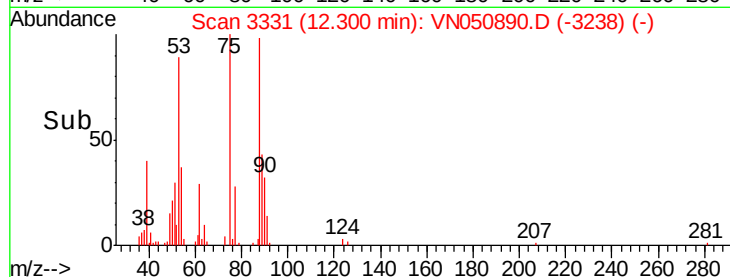
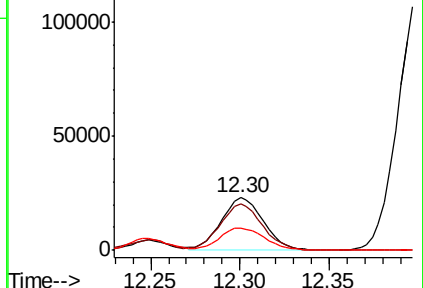
89 45.3 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.89 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050890.D

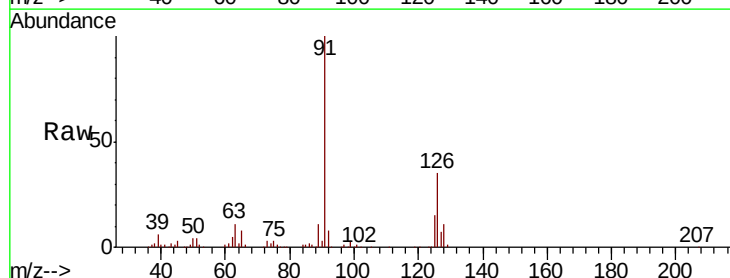
Acq: 27 Aug 2018 11:40

Tgt Ion: 91 Resp: 441316

Ion Ratio Lower Upper

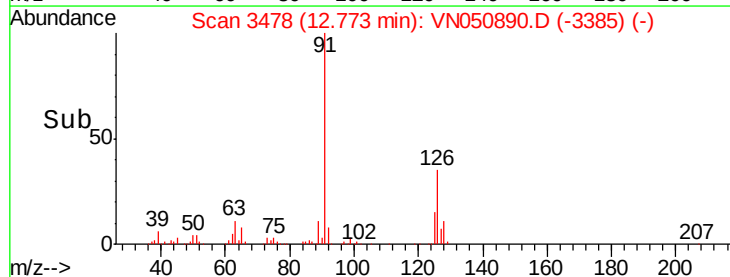
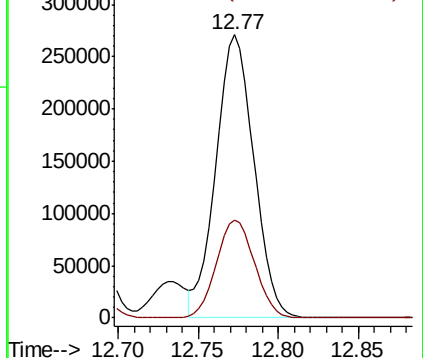
91 100

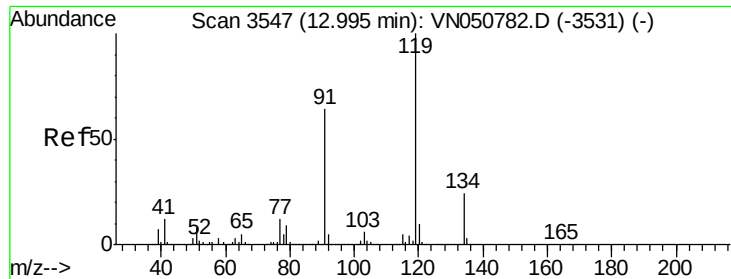
126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

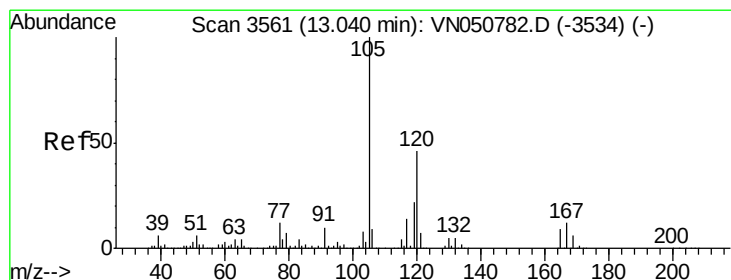
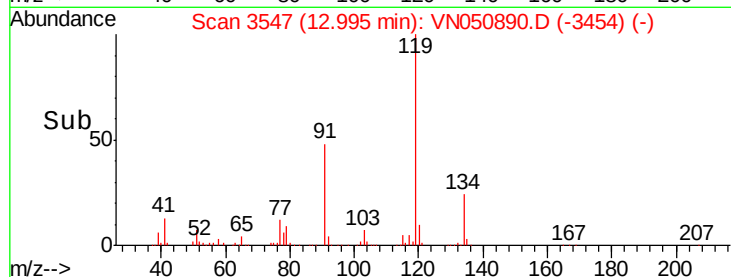
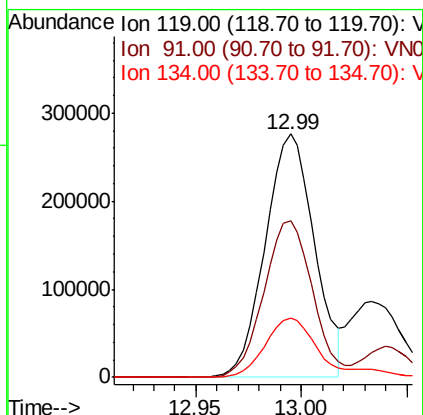
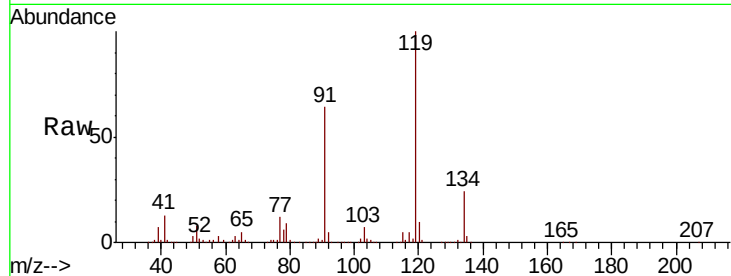




#83
 tert-Butylbenzene
 Concen: 20.90 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

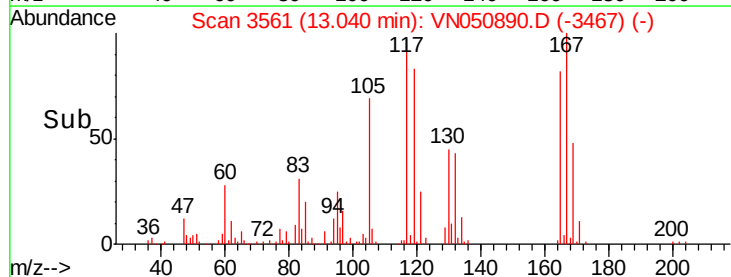
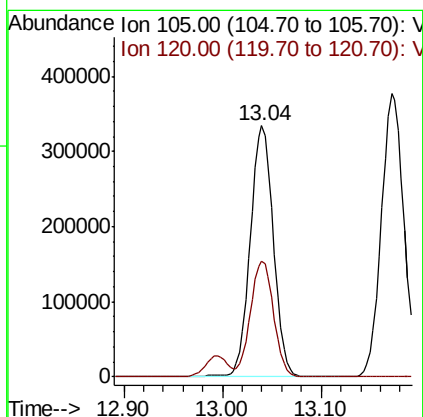
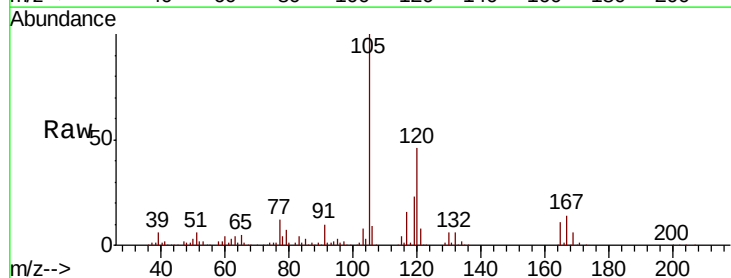
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

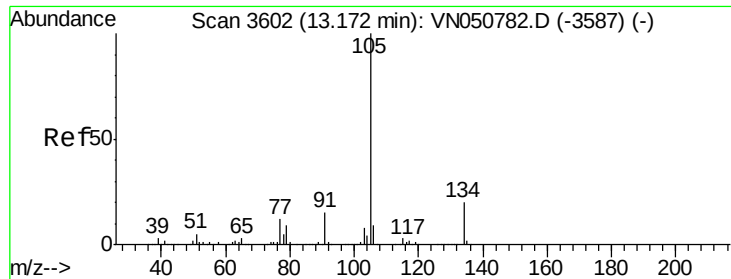
Tot Ion:119 Resp: 449245
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.6 94.7
 134 25.0 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.60 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion:105 Resp: 539313
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.9 68.8





#85

sec-Butylbenzene

Concen: 21.17 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampleId :

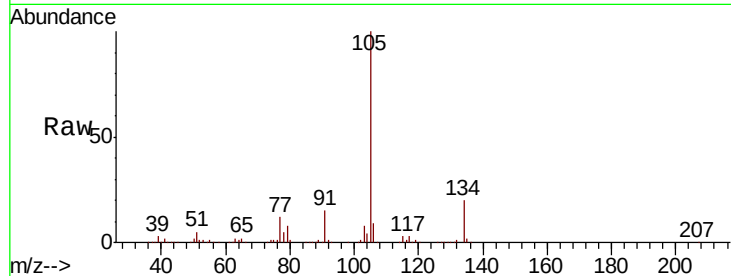
VN0827WBS01

Tot Ion:105 Resp: 596160

Ion Ratio Lower Upper

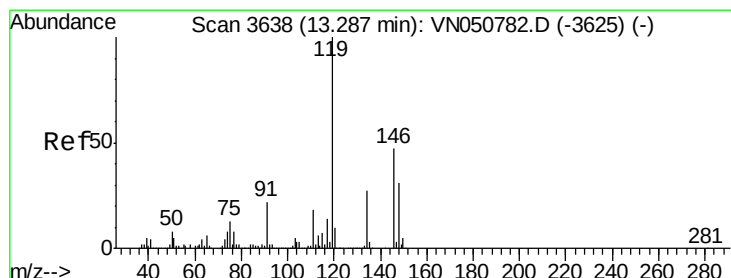
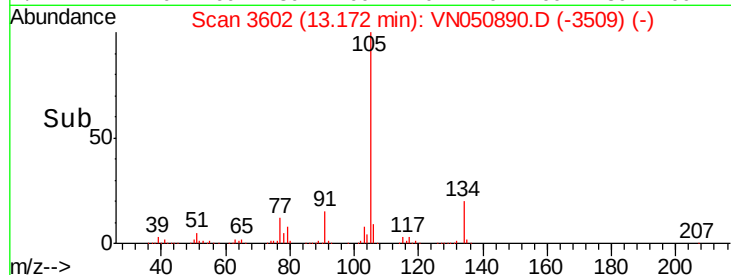
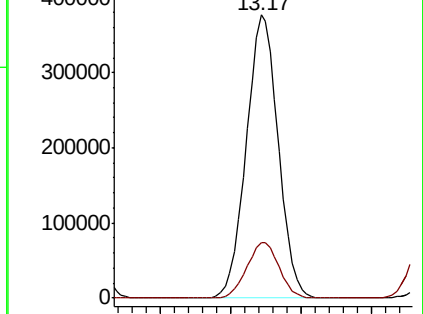
105 100

134 20.0 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.95 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

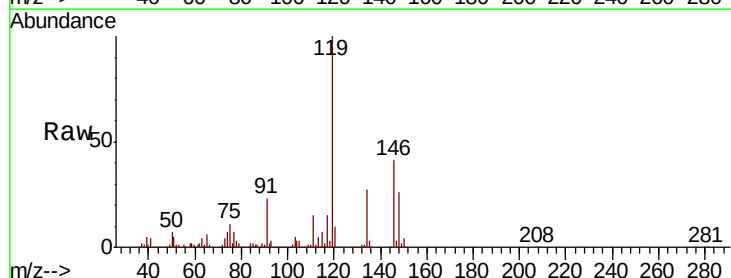
Tgt Ion:119 Resp: 502900

Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.0

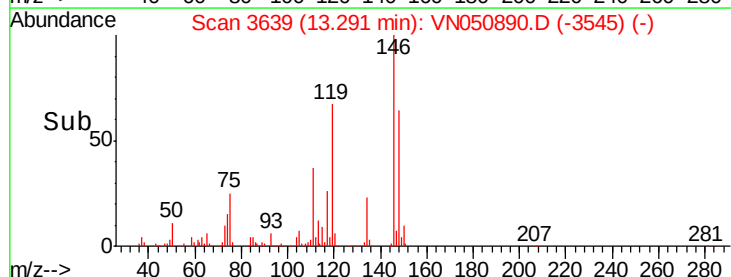
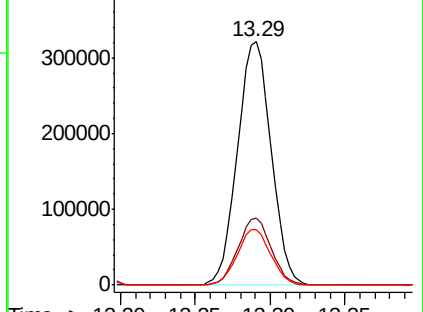
91 22.8 11.2 33.5

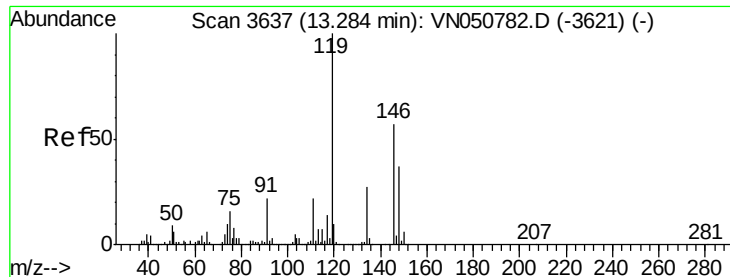


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

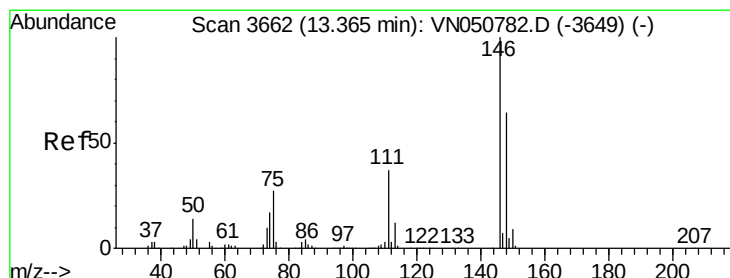
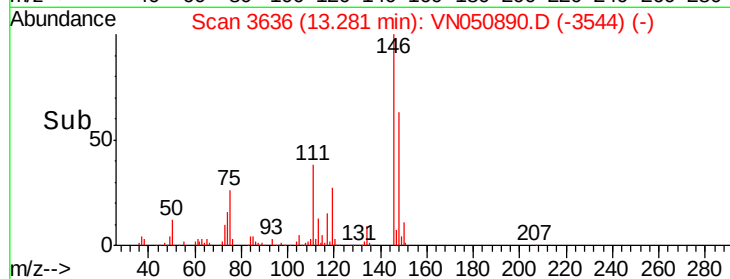
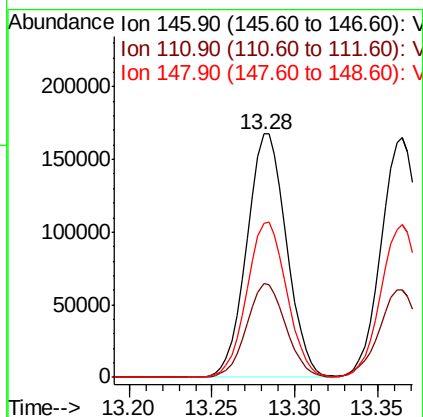
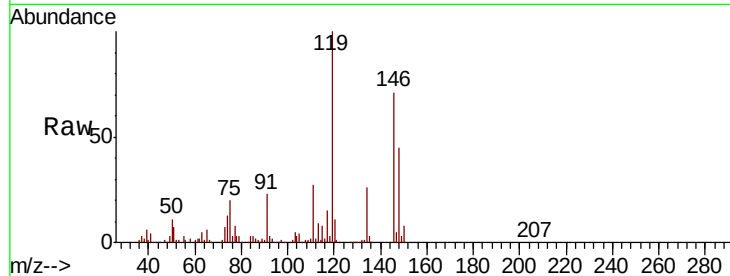




#87
 1,3-Dichlorobenzene
 Concen: 19.79 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

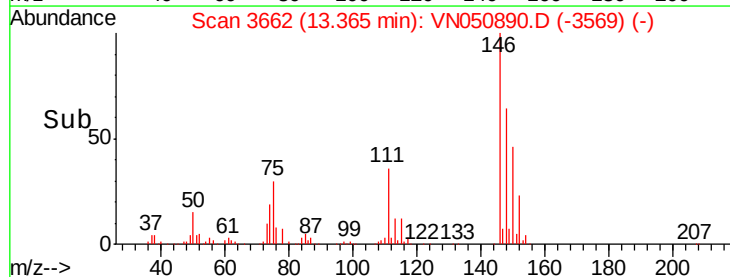
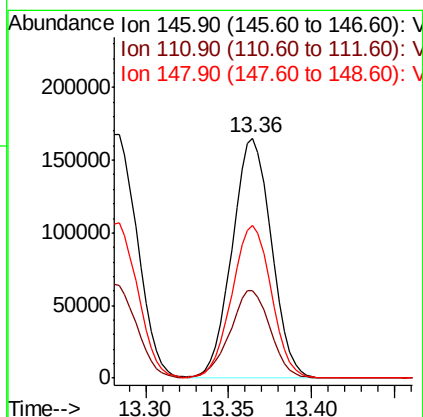
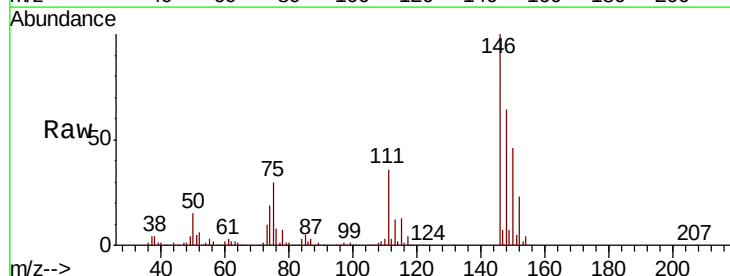
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

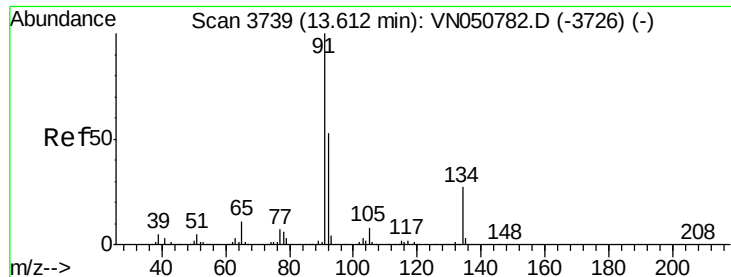
Tot Ion:146 Resp: 280804
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.3
 148 63.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.46 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion:146 Resp: 271689
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.3
 148 64.2 32.2 96.6





#89

n-Butylbenzene

Concen: 19.18 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

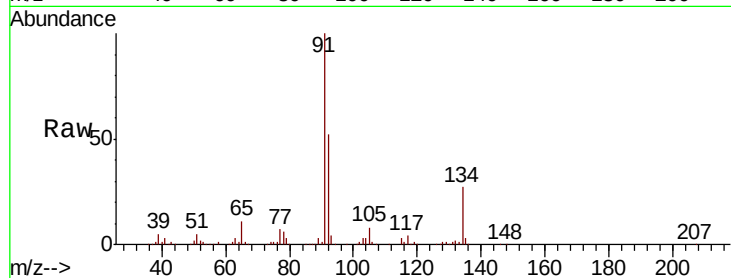
Tot Ion: 91 Resp: 368200

Ion Ratio Lower Upper

91 100

92 51.2 26.1 78.2

134 26.2 13.2 39.6

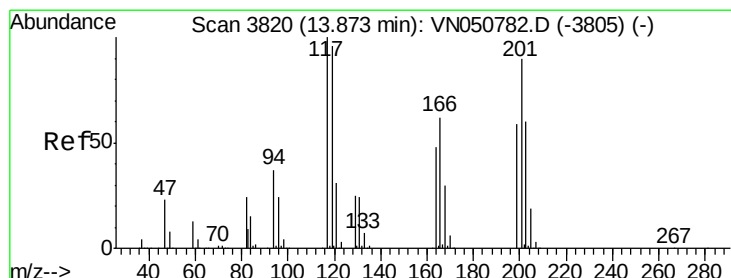
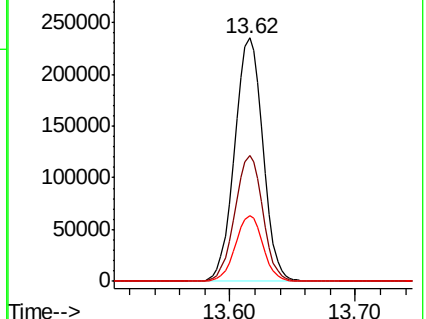
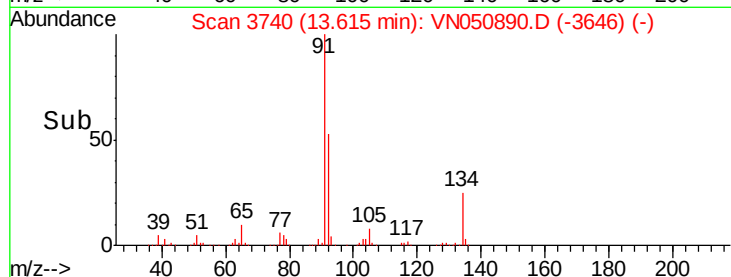


Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050782.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3726) (-)

Time-->



#90

Hexachloroethane

Concen: 21.36 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. 0.00 min

Lab File: VN050890.D

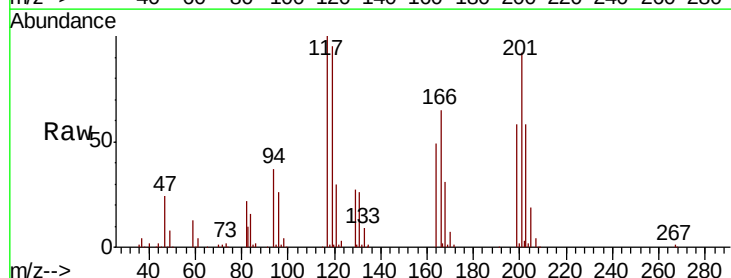
Acq: 27 Aug 2018 11:40

Tgt Ion: 117 Resp: 97233

Ion Ratio Lower Upper

117 100

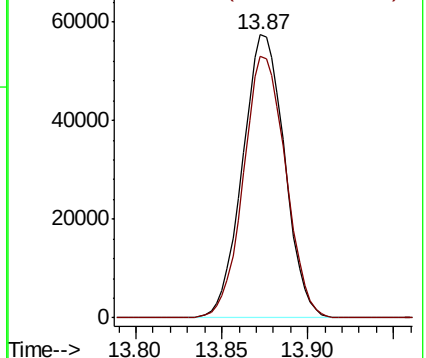
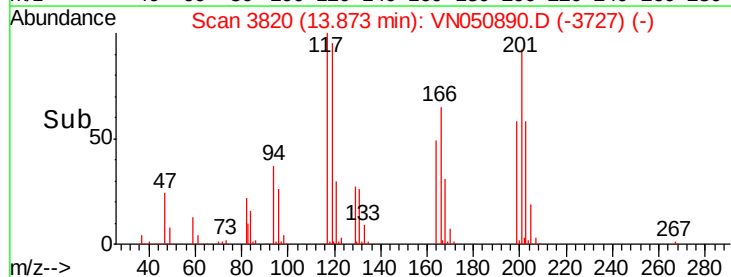
201 92.8 46.0 137.8

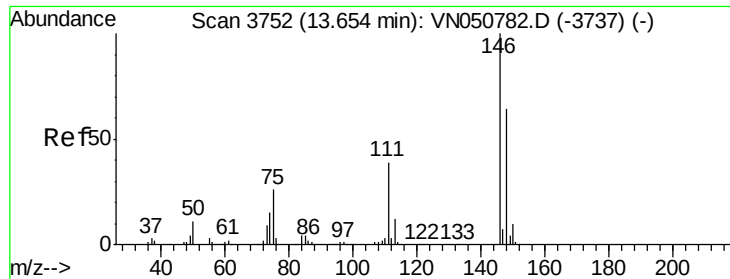


Abundance Ion 116.80 (116.50 to 117.50): VN050782.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050782.D (-3805) (-)

Time-->

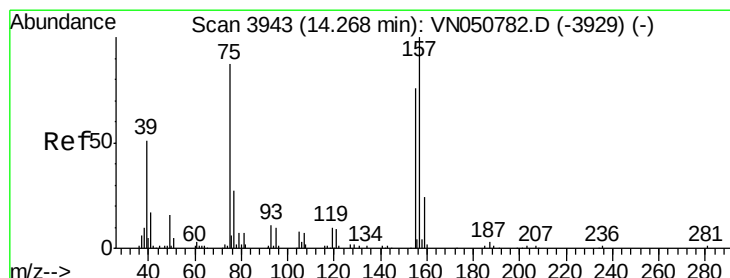
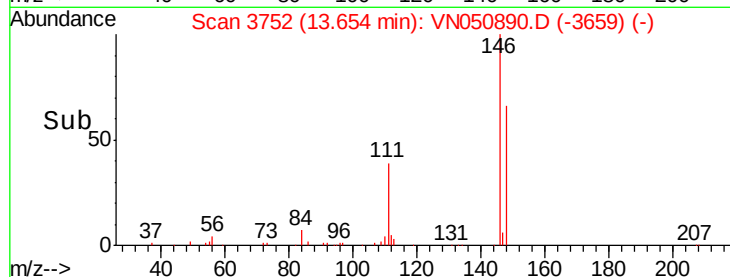
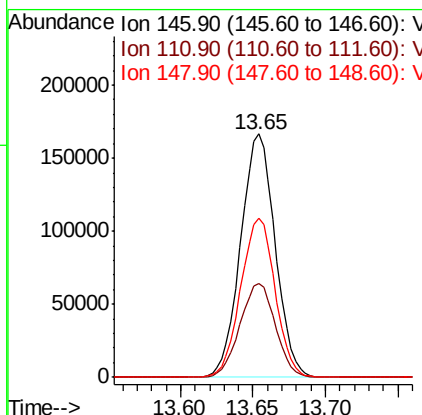
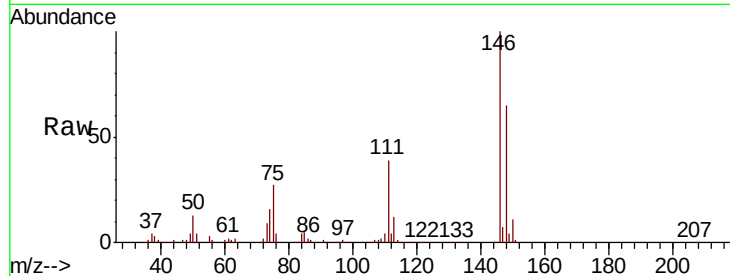




#91
 1,2-Dichlorobenzene
 Concen: 20.17 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

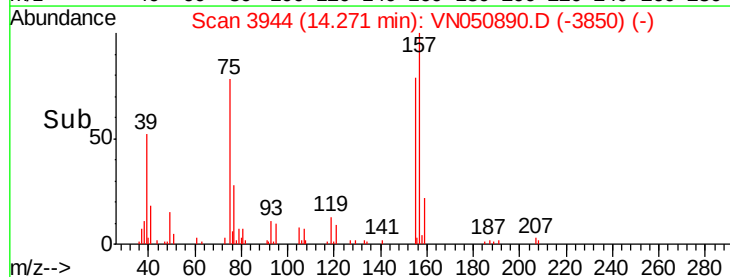
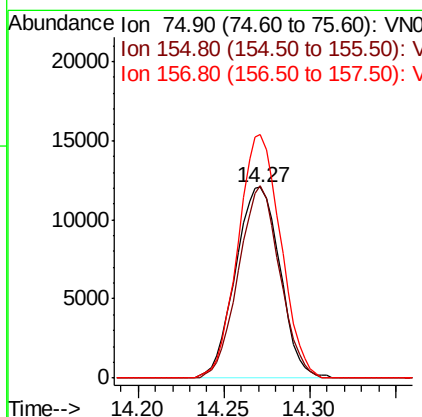
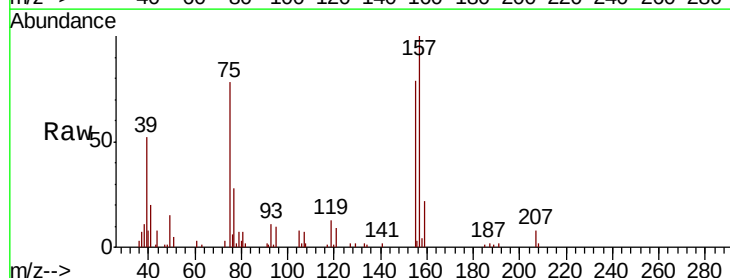
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

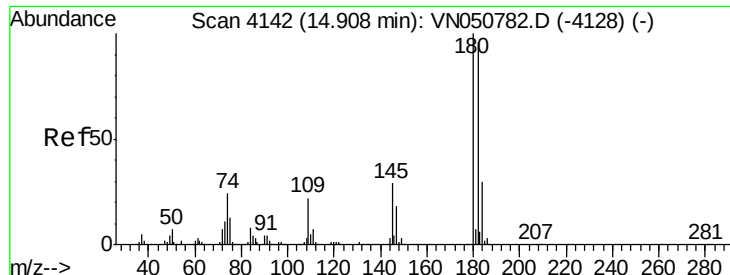
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	65.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.61 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	46.4	139.1
157	122.3	60.7	182.0

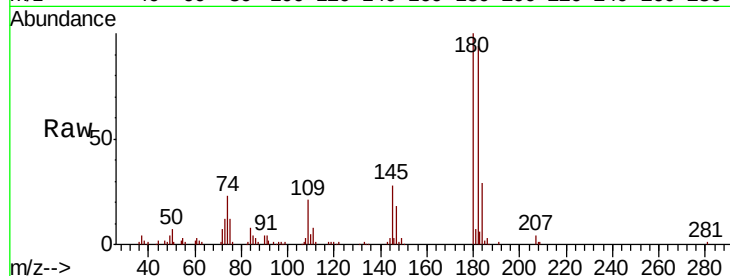




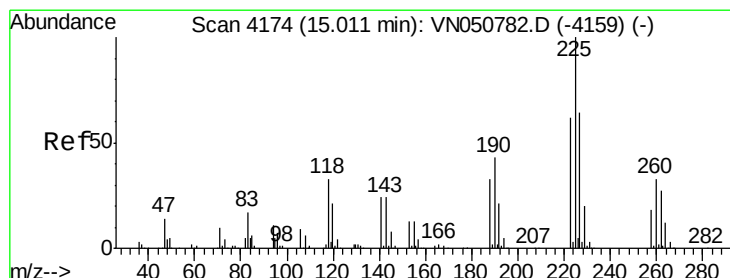
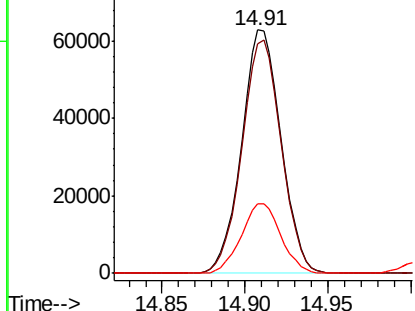
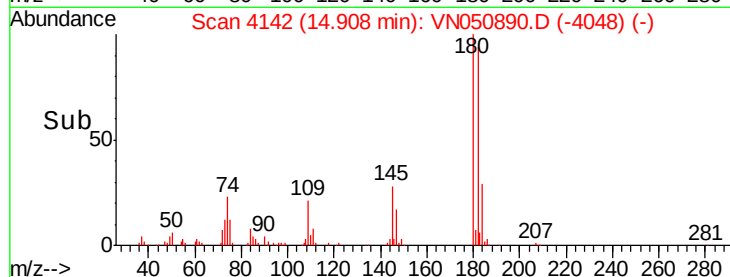
#93
 1,2,4-Trichlorobenzene
 Concen: 17.43 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.2	144.6
145	28.7	14.1	42.2

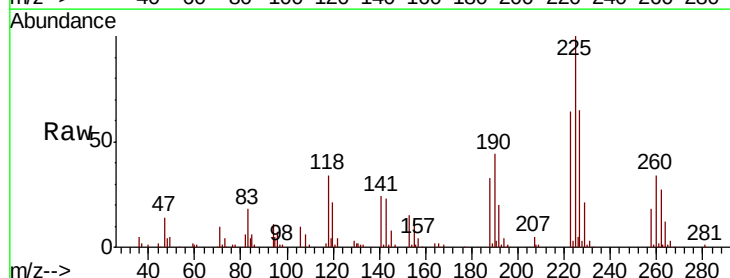


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

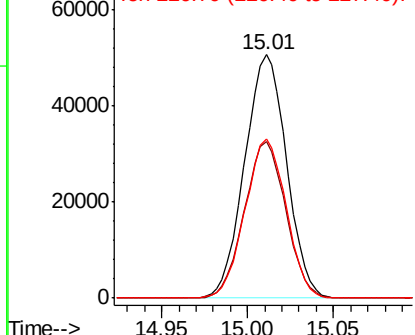
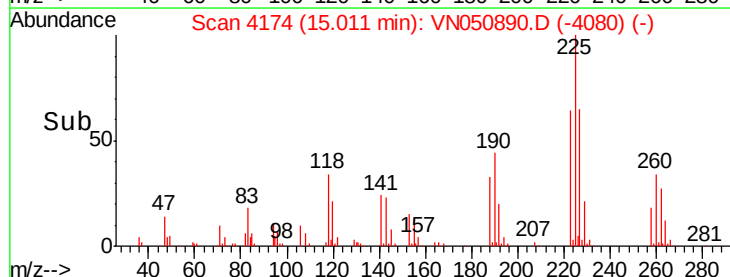


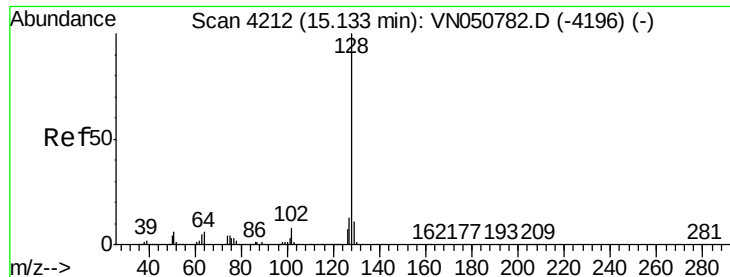
#94
 Hexachlorobutadiene
 Concen: 20.43 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050890.D
 Acq: 27 Aug 2018 11:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.3	93.8
227	64.2	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.79 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS01

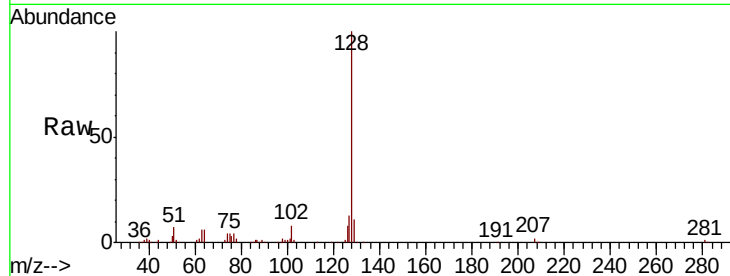
Tot Ion:128 Resp: 189547

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.4 8.7 13.1

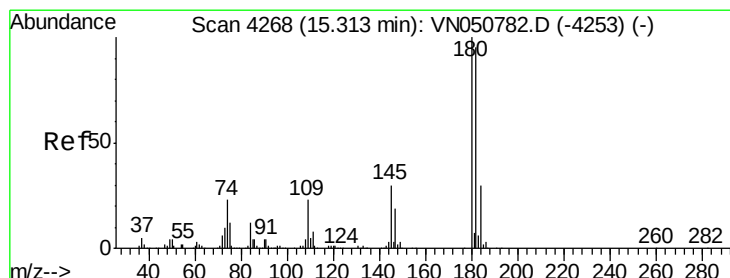
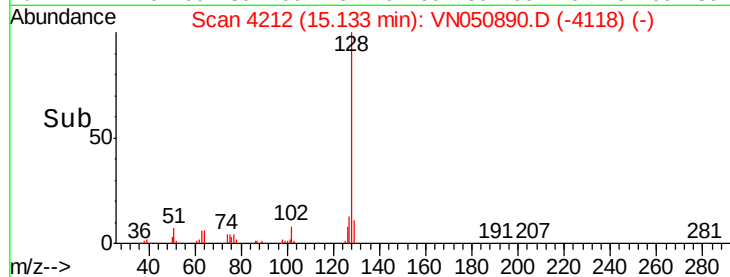
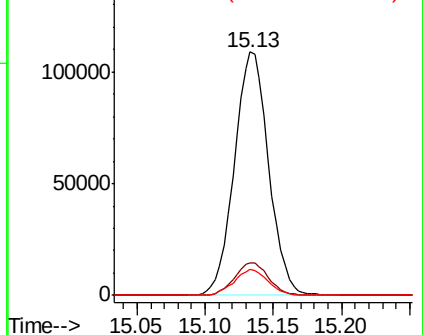


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.49 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050890.D

Acq: 27 Aug 2018 11:40

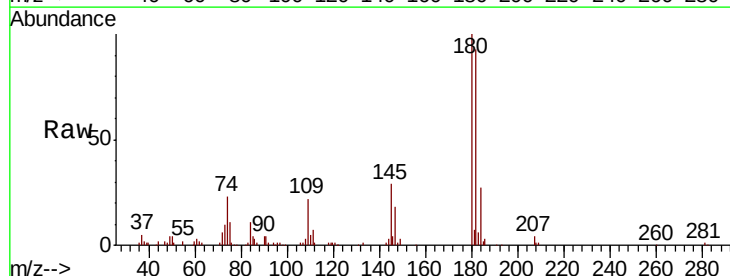
Tgt Ion:180 Resp: 108574

Ion Ratio Lower Upper

180 100

182 93.8 48.0 144.2

145 29.9 15.2 45.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

