

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051080.D
 Acq On : 10 Sep 2018 16:10
 Operator : MD\SY
 Sample : VN0910MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

Quant Time: Sep 11 03:19:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	672153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	971298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	865014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	383422	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	380066	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
50) Toluene-d8	10.09	98	1406272	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	451566	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	118075	18.22	ug/l	96
3) Chloromethane	2.06	50	168924	19.85	ug/l	100
4) Vinyl Chloride	2.18	62	169980	19.10	ug/l	99
5) Bromomethane	2.56	94	98119	18.93	ug/l	99
6) Chloroethane	2.70	64	99596	18.14	ug/l	100
7) Trichlorofluoromethane	3.01	101	223187	18.93	ug/l	98
8) Diethyl Ether	3.41	74	84040	19.38	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	143958	18.94	ug/l	98
10) Methyl Iodide	3.95	142	116882	20.22	ug/l	99
11) Tert butyl alcohol	4.79	59	52346	91.62	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	132591	18.49	ug/l	96
13) Acrolein	3.61	56	72034	117.54	ug/l	99
14) Allyl chloride	4.32	41	203680	18.65	ug/l	100
15) Acrylonitrile	5.00	53	245259	96.88	ug/l	100
16) Acetone	3.82	43	169245	87.72	ug/l	99
17) Carbon Disulfide	4.05	76	401049	19.05	ug/l	100
18) Methyl Acetate	4.33	43	111317	18.58	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	366401	19.33	ug/l	99
20) Methylene Chloride	4.55	84	155591	18.83	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	141609	18.21	ug/l	94
22) Diisopropyl ether	5.95	45	435314	20.08	ug/l	100
23) Vinyl Acetate	5.90	43	1434061	97.73	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261785	19.03	ug/l	100
25) 2-Butanone	6.84	43	268516	91.30	ug/l	98
26) 2,2-Dichloropropane	6.83	77	201429	17.89	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160129	18.77	ug/l	98
28) Bromochloromethane	7.20	49	143921	23.50	ug/l	100
29) Tetrahydrofuran	7.22	42	184471	100.45	ug/l	99
30) Chloroform	7.37	83	264060	19.29	ug/l	99
31) Cyclohexane	7.65	56	237447	19.22	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	226109	19.39	ug/l	100
36) 1,1-Dichloropropene	7.79	75	197728	18.54	ug/l	99
37) Ethyl Acetate	6.93	43	125826	20.37	ug/l	98
38) Carbon Tetrachloride	7.77	117	199960	19.05	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215490	18.31	µg/l	98
40) Benzene	8.04	78	620009	19.29	µg/l	100
41) Methacrylonitrile	7.18	41	58390	18.32	µg/l	96
42) 1,2-Dichloroethane	8.13	62	181205	19.35	µg/l	99
43) Isopropyl Acetate	8.17	43	213488	19.59	µg/l	99
44) Trichloroethene	8.84	130	163279	18.58	µg/l	99
45) 1,2-Dichloropropane	9.12	63	160584	19.34	µg/l	100
46) Dibromomethane	9.21	93	96024	18.95	µg/l	99
47) Bromodichloromethane	9.40	83	198551	19.27	µg/l	97
48) Methyl methacrylate	9.20	41	102598	19.32	µg/l	99
49) 1,4-Dioxane	9.20	88	32238	387.11	µg/l	99
51) 4-Methyl-2-Pentanone	9.99	43	606984	100.72	µg/l	99
52) Toluene	10.16	92	380464	19.42	µg/l	99
53) t-1,3-Dichloropropene	10.38	75	190853	18.51	µg/l	99
54) cis-1,3-Dichloropropene	9.84	75	227735	18.84	µg/l	100
55) 1,1,2-Trichloroethane	10.56	97	139364	19.58	µg/l	99
56) Ethyl methacrylate	10.43	69	167864	19.17	µg/l	99
57) 1,3-Dichloropropane	10.71	76	233803	19.81	µg/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	342645	95.36	µg/l	100
59) 2-Hexanone	10.75	43	388356	95.02	µg/l	98
60) Dibromochloromethane	10.90	129	153178	19.09	µg/l	100
61) 1,2-Dibromoethane	11.01	107	132895	19.10	µg/l	98
64) Tetrachloroethene	10.63	164	149778	18.98	µg/l	99
65) Chlorobenzene	11.43	112	411410	18.87	µg/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	153092	19.50	µg/l	99
67) Ethyl Benzene	11.51	91	681441	19.30	µg/l	99
68) m/p-Xylenes	11.62	106	535397	39.46	µg/l	100
69) o-Xylene	11.95	106	256942	19.56	µg/l	99
70) Styrene	11.96	104	406909	19.97	µg/l	100
71) Bromoform	12.13	173	108326	19.60	µg/l #	99
73) Isopropylbenzene	12.25	105	668268	19.16	µg/l	100
74) N-amyl acetate	12.07	43	162483	18.51	µg/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	176580	21.14	µg/l	100
76) 1,2,3-Trichloropropane	12.55	75	197951	30.10	µg/l #	100
77) Bromobenzene	12.53	156	173996	18.57	µg/l	98
78) n-propylbenzene	12.59	91	737374	19.23	µg/l	100
79) 2-Chlorotoluene	12.67	91	461539	19.26	µg/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	548022	19.43	µg/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	40103	18.31	µg/l	96
82) 4-Chlorotoluene	12.77	91	450241	18.93	µg/l	100
83) tert-Butylbenzene	12.99	119	472257	18.97	µg/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	551297	19.88	µg/l	99
85) sec-Butylbenzene	13.17	105	612356	19.18	µg/l	99
86) p-Isopropyltoluene	13.29	119	527896	19.50	µg/l	100
87) 1,3-Dichlorobenzene	13.28	146	291102	18.31	µg/l	98
88) 1,4-Dichlorobenzene	13.36	146	279440	19.15	µg/l	98
89) n-Butylbenzene	13.62	91	380052	18.04	µg/l	98
90) Hexachloroethane	13.88	117	97315	19.36	µg/l	98
91) 1,2-Dichlorobenzene	13.65	146	286746	18.51	µg/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23417	20.05	µg/l	99

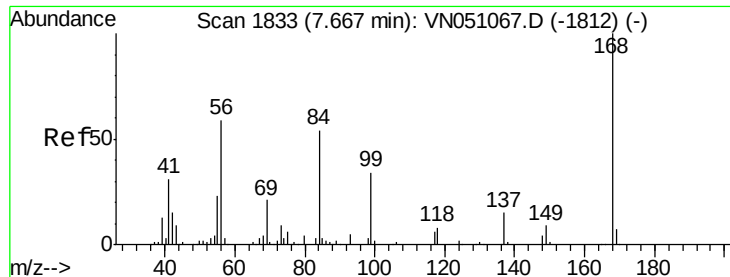
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
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Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	111261	17.66	ug/l	99
94) Hexachlorobutadiene	15.01	225	89905	18.82	ug/l	99
95) Naphthalene	15.13	128	215881	17.67	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	117457	18.40	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

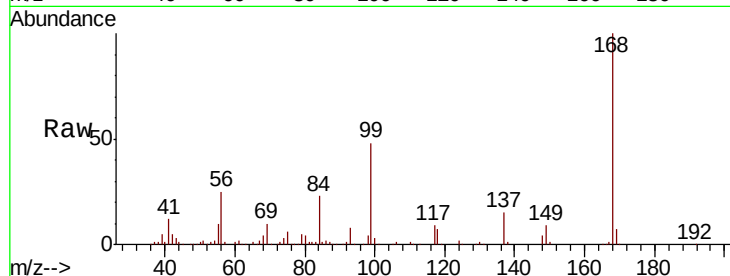
VN0910MBS01

Tot Ion:168 Resp: 672153

Ion Ratio Lower Upper

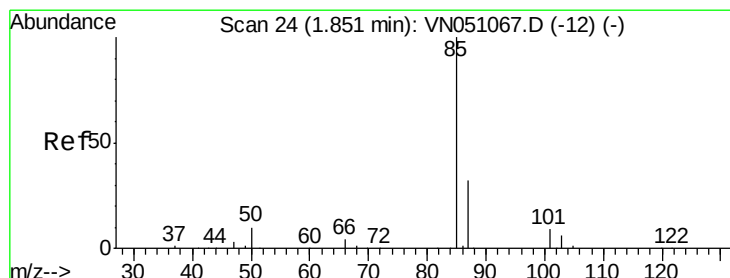
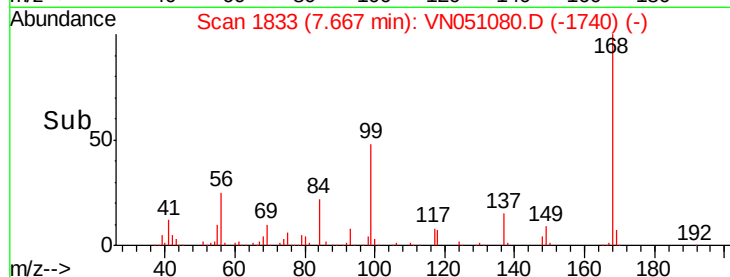
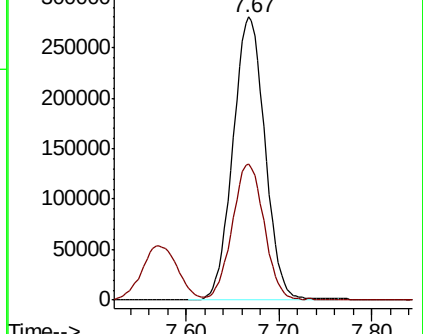
168 100

99 48.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.22 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051080.D

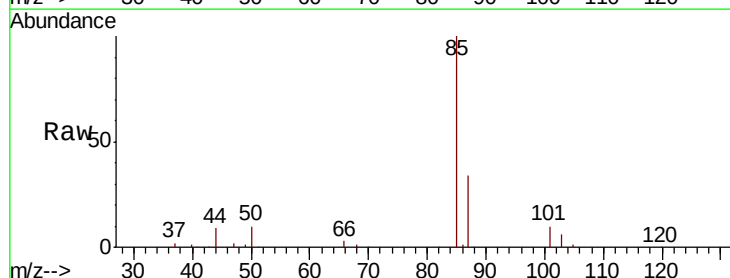
Acq: 10 Sep 2018 16:10

Tgt Ion: 85 Resp: 118075

Ion Ratio Lower Upper

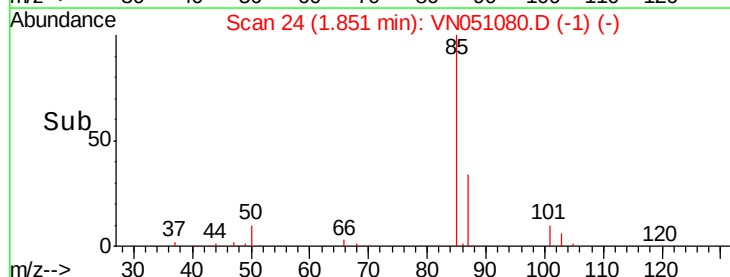
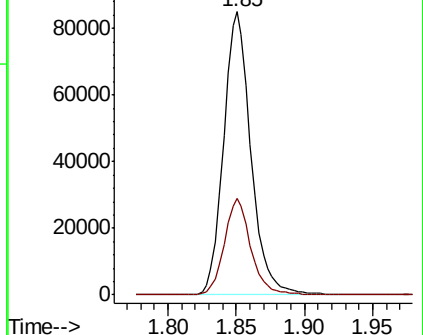
85 100

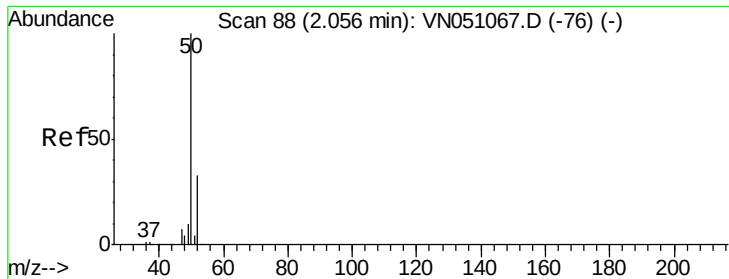
87 34.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 19.85 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

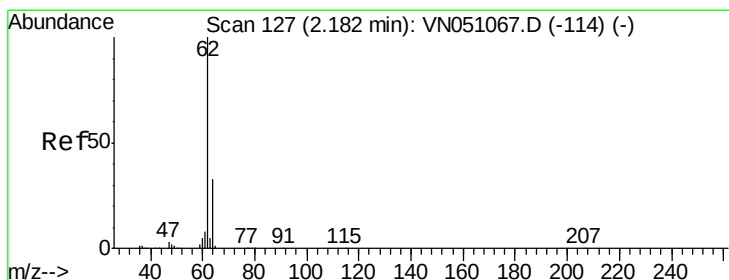
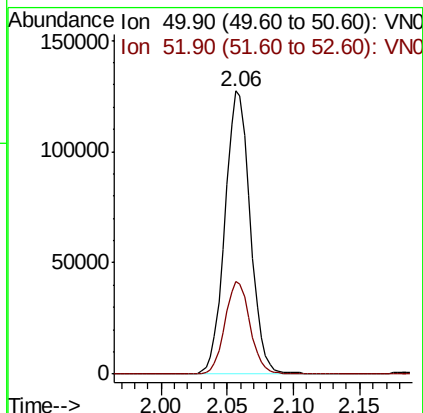
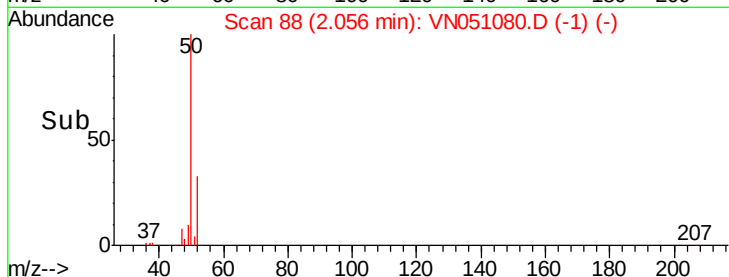
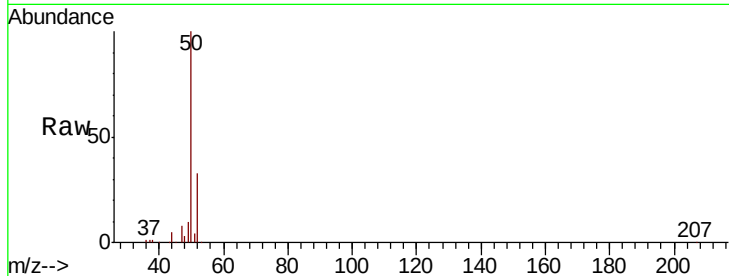
VN0910MBS01

Tot Ion: 50 Resp: 168924

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0



#4

Vinyl Chloride

Concen: 19.10 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051080.D

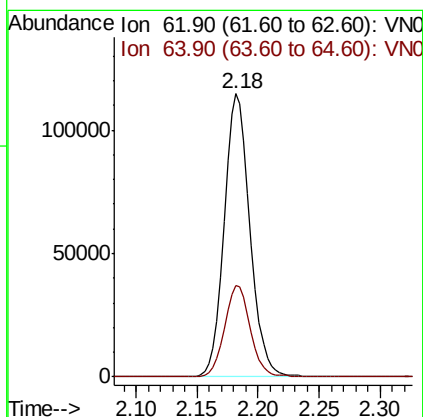
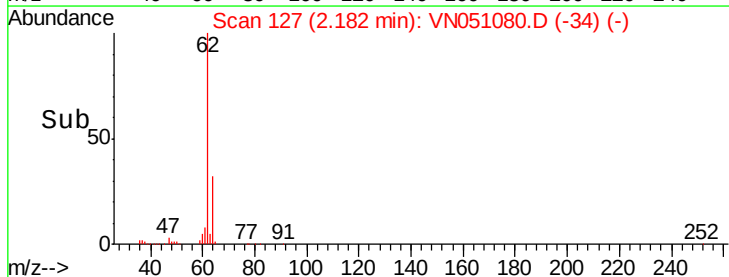
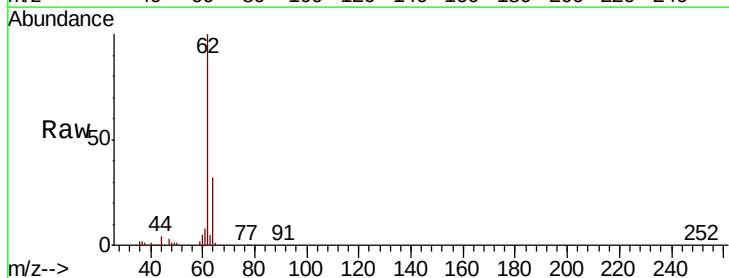
Acq: 10 Sep 2018 16:10

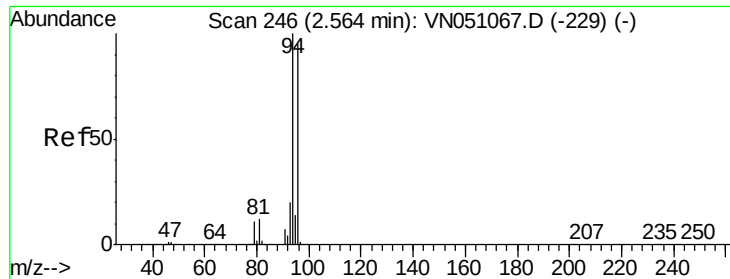
Tgt Ion: 62 Resp: 169980

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 18.93 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

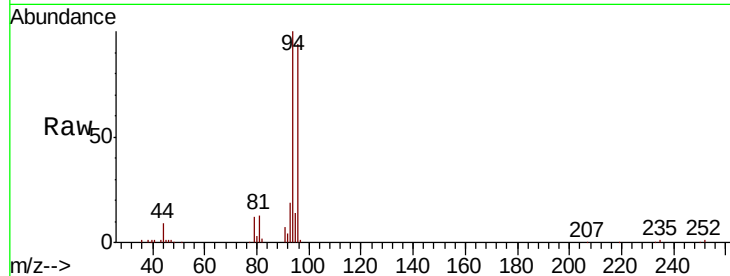
VN0910MBS01

Tot Ion: 94 Resp: 98119

Ion Ratio Lower Upper

94 100

96 94.2 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

60000

50000

40000

30000

20000

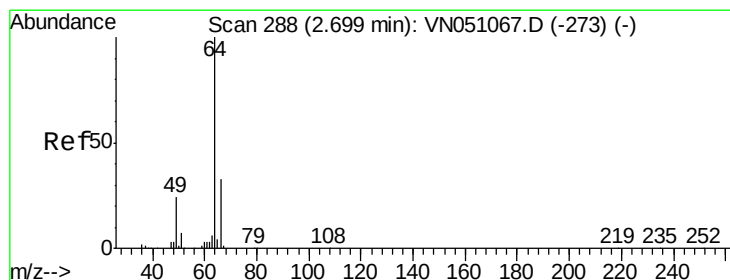
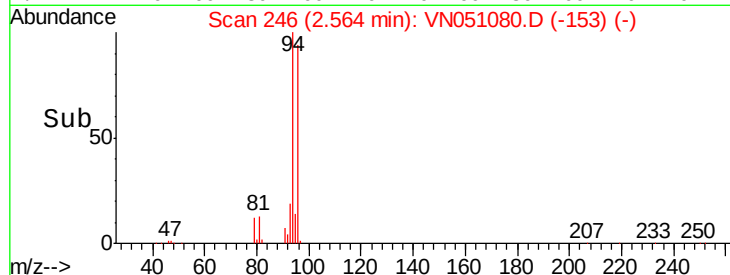
10000

0

Time-->

2.45 2.50 2.55 2.60 2.65

2.56



#6

Chloroethane

Concen: 18.14 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051080.D

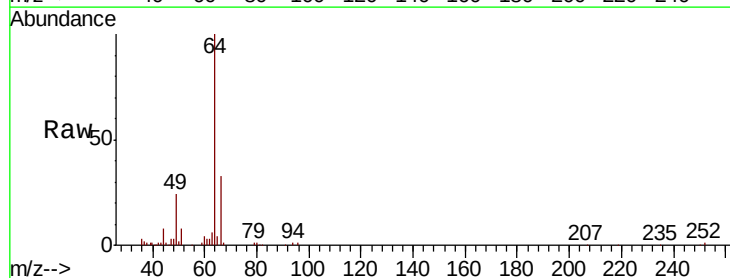
Acq: 10 Sep 2018 16:10

Tgt Ion: 64 Resp: 99596

Ion Ratio Lower Upper

64 100

66 32.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

60000

50000

40000

30000

20000

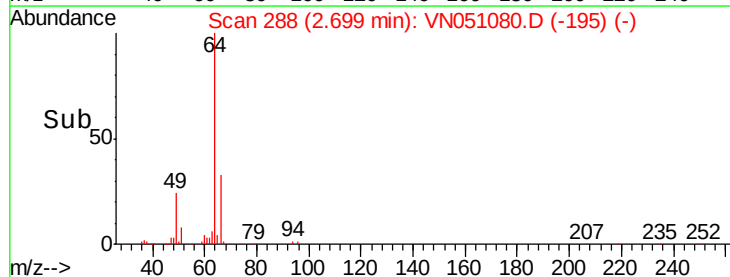
10000

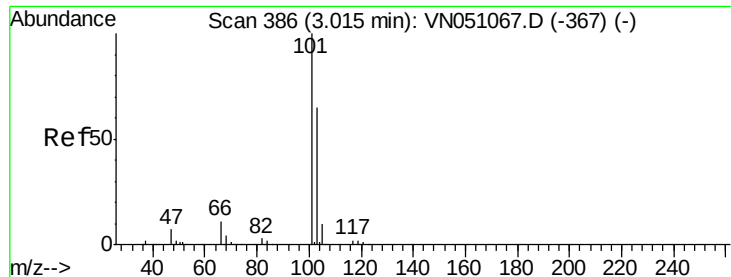
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Time-->

2.60 2.65 2.70 2.75 2.80

2.70



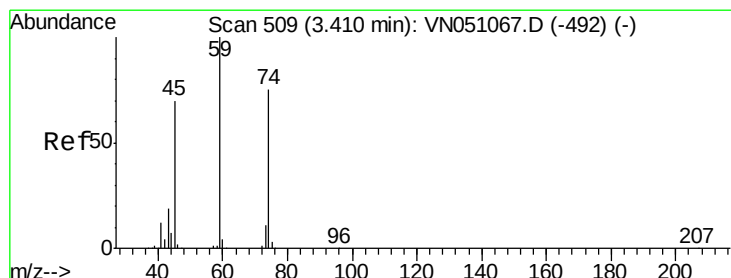
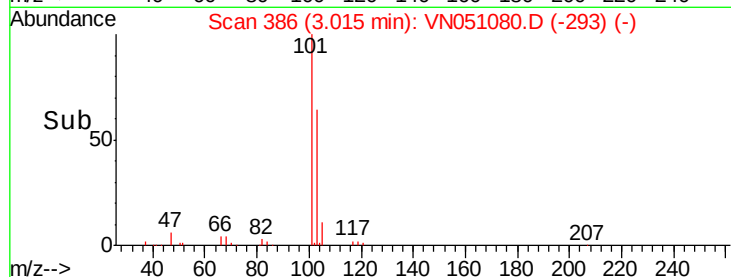
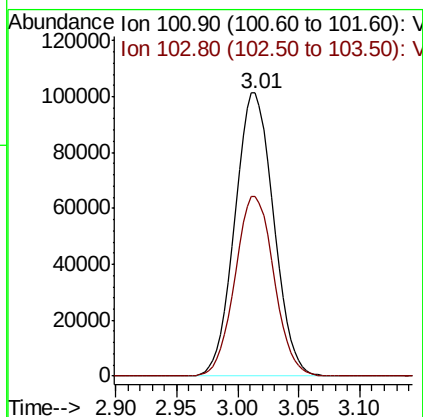
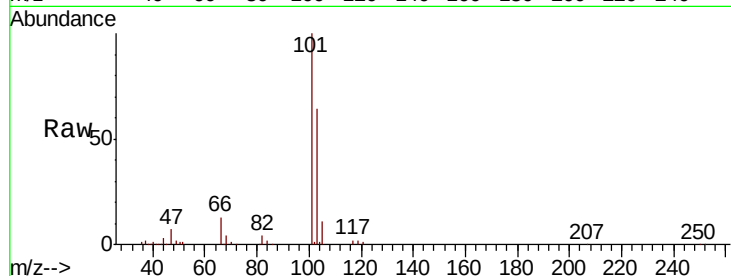


#7

Trichlorofluoromethane
 Concen: 18.93 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

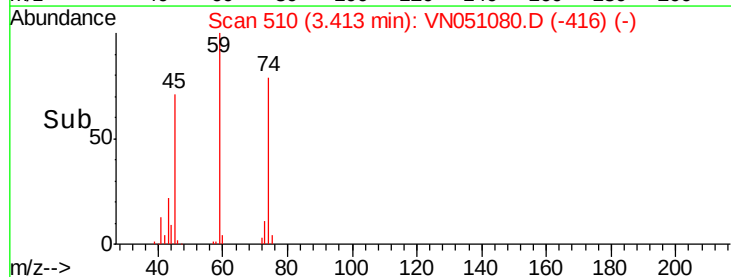
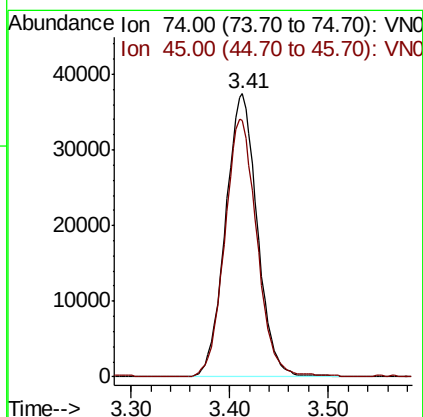
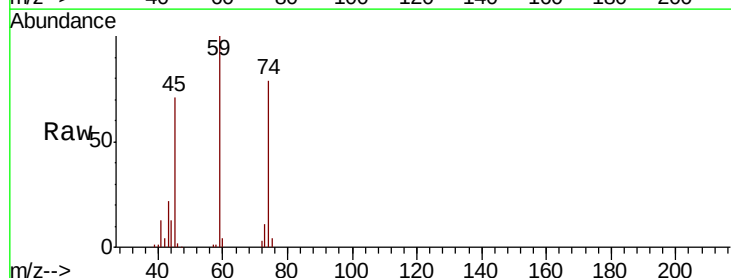
Tot Ion:101 Resp: 223187
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.4 78.6

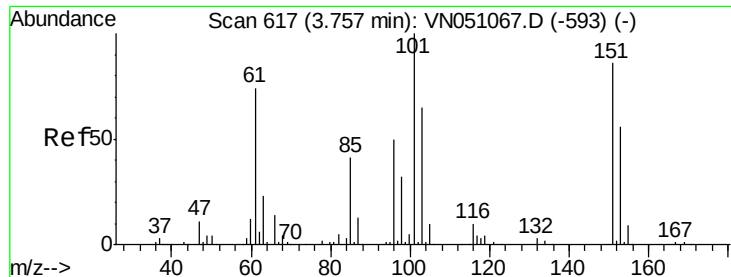


#8

Diethyl Ether
 Concen: 19.38 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion: 74 Resp: 84040
 Ion Ratio Lower Upper
 74 100
 45 92.0 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.94 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

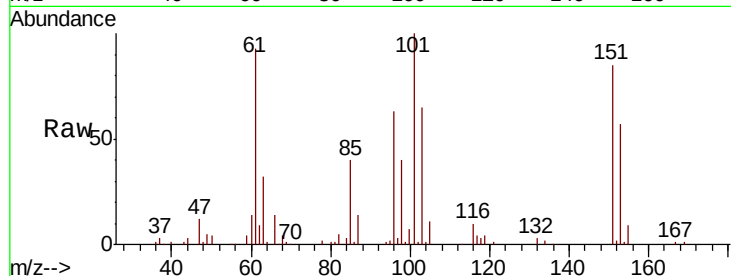
Tot Ion:101 Resp: 143958

Ion Ratio Lower Upper

101 100

85 39.8 33.3 49.9

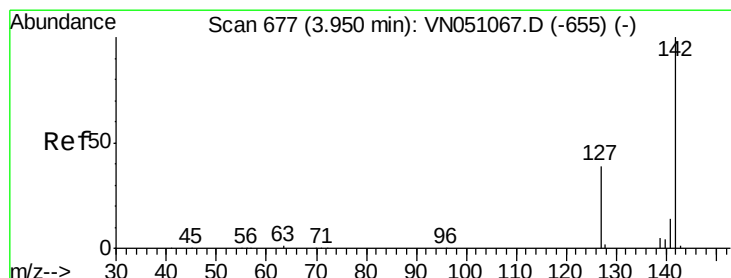
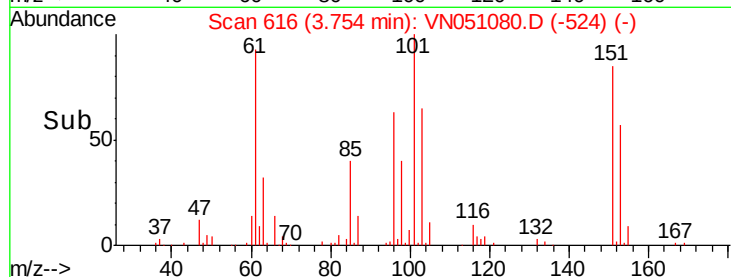
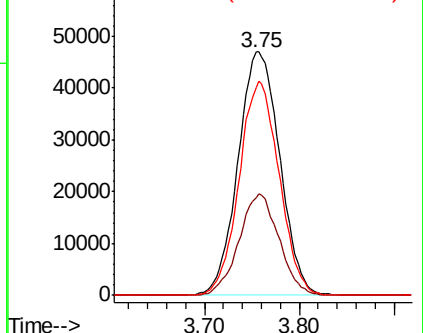
151 84.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.22 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

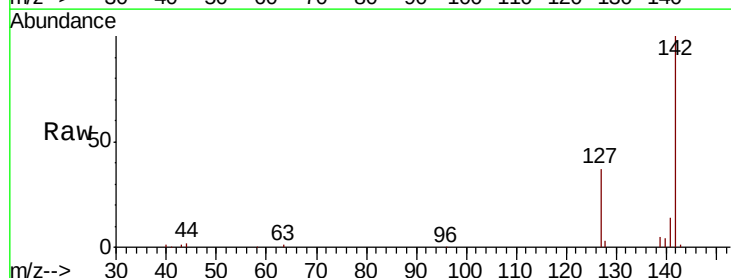
Tgt Ion:142 Resp: 116882

Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.4

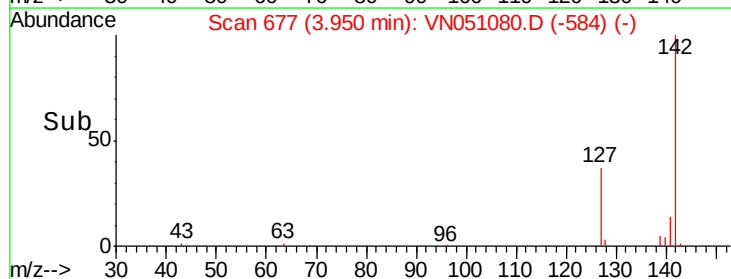
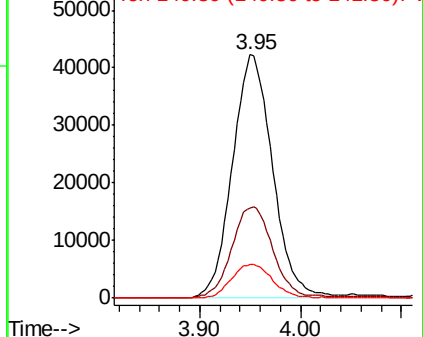
141 14.2 11.3 16.9

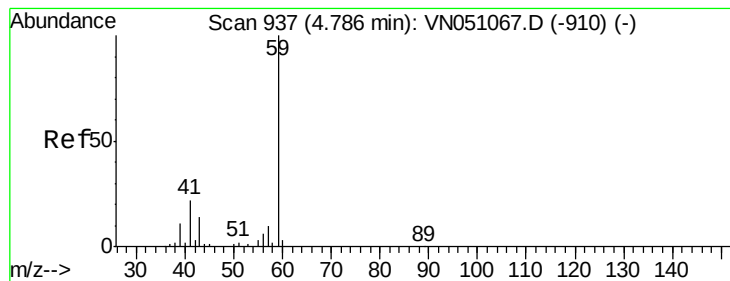


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



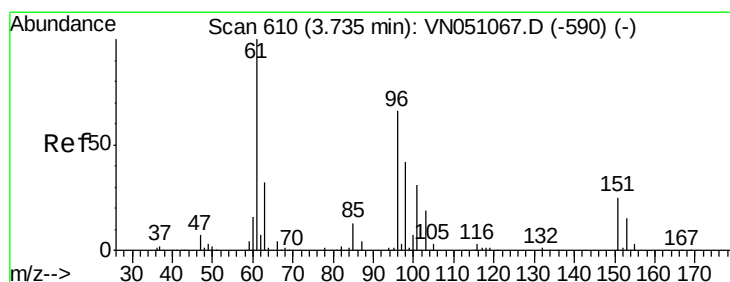
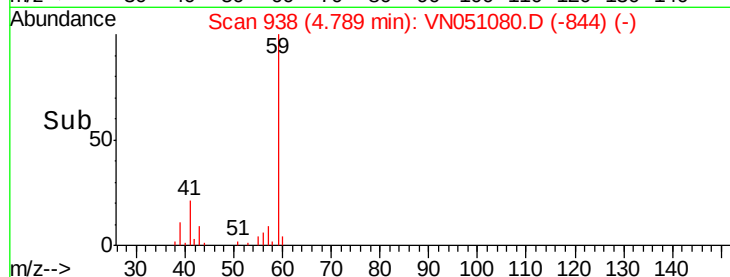
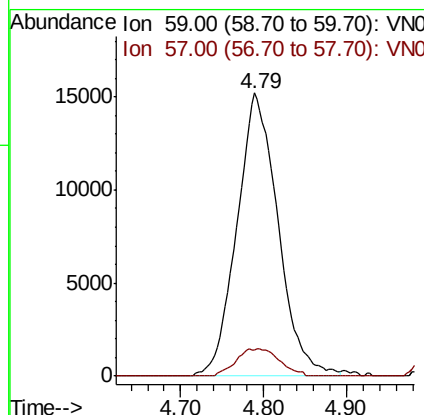
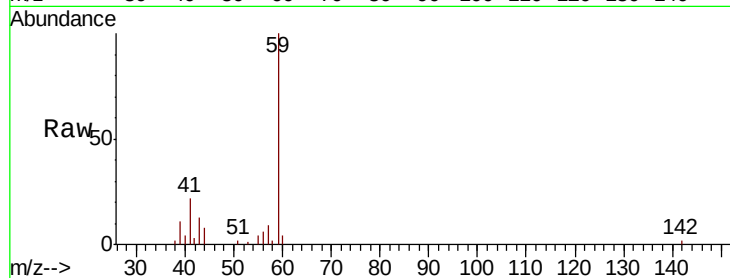


#11

Tert butyl alcohol
 Concen: 91.62 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910MBS01

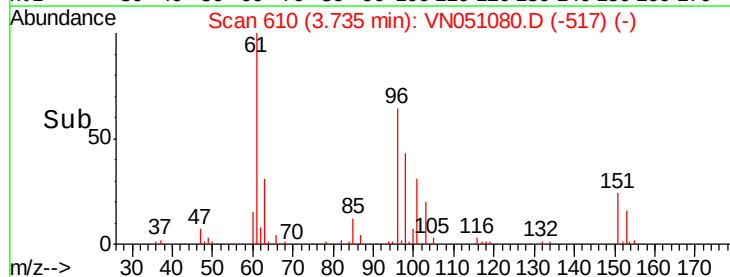
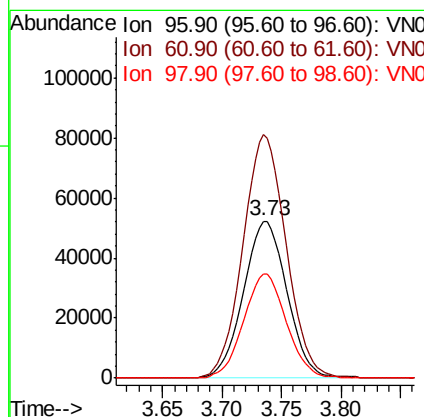
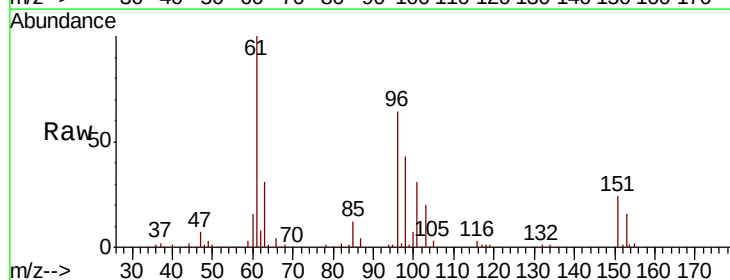
Tot Ion: 59 Resp: 52346
 Ion Ratio Lower Upper
 59 100
 57 4.1 8.1 12.1#

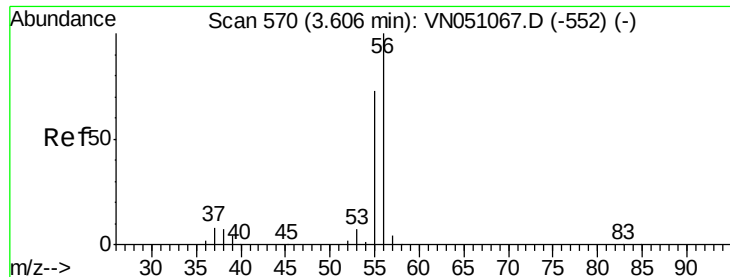


#12

1,1-Dichloroethene
 Concen: 18.49 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion: 96 Resp: 132591
 Ion Ratio Lower Upper
 96 100
 61 155.3 120.3 180.5
 98 66.7 50.8 76.2





#13

Acrolein

Concen: 117.54 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

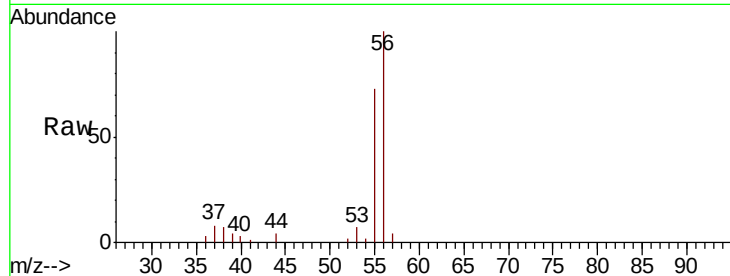
VN0910MBS01

Tot Ion: 56 Resp: 72034

Ion Ratio Lower Upper

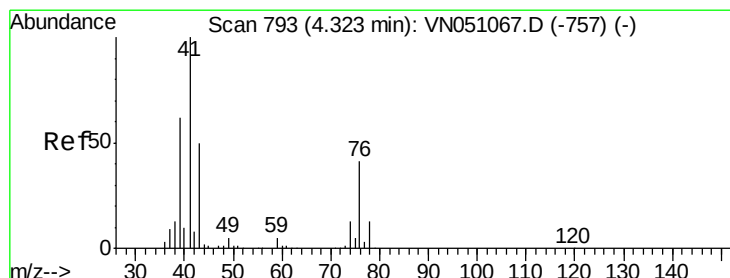
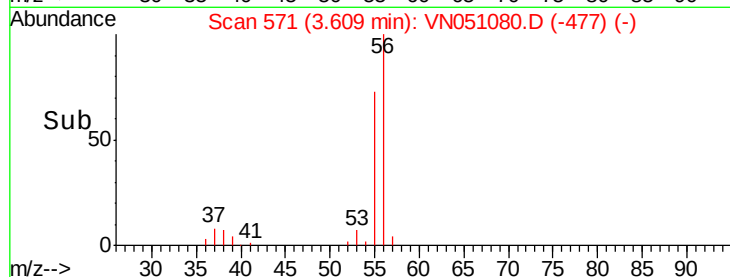
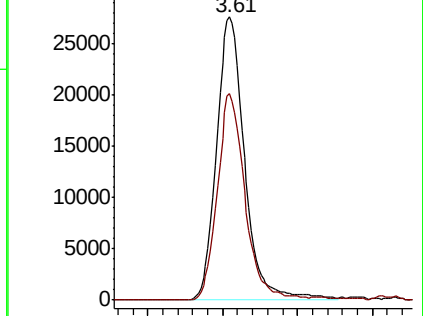
56 100

55 71.7 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.65 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

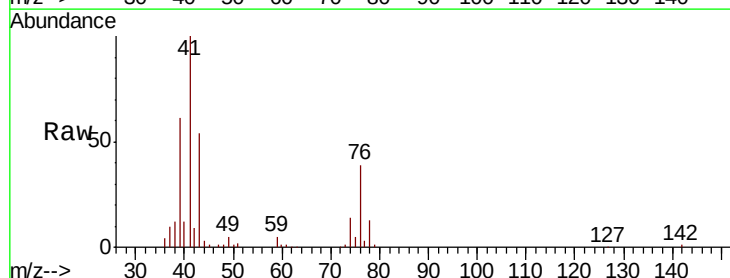
Tgt Ion: 41 Resp: 203680

Ion Ratio Lower Upper

41 100

39 60.8 48.8 73.2

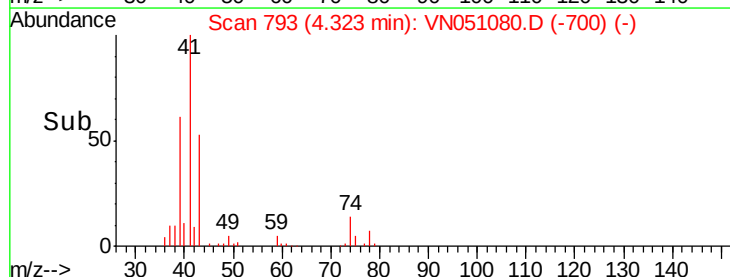
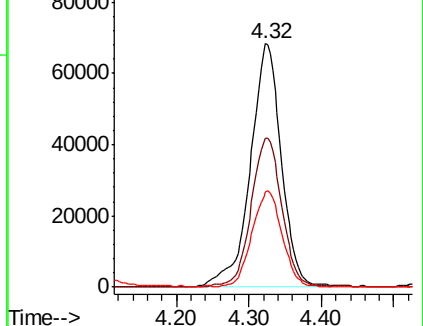
76 38.4 30.6 45.8

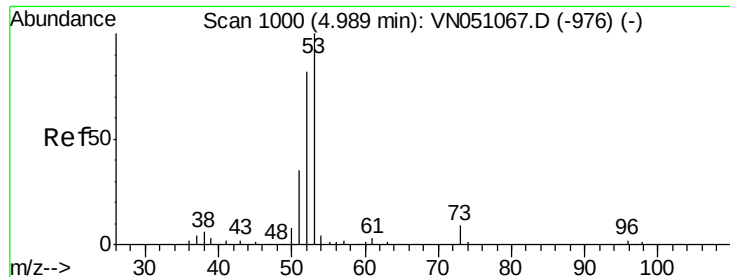


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.88 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

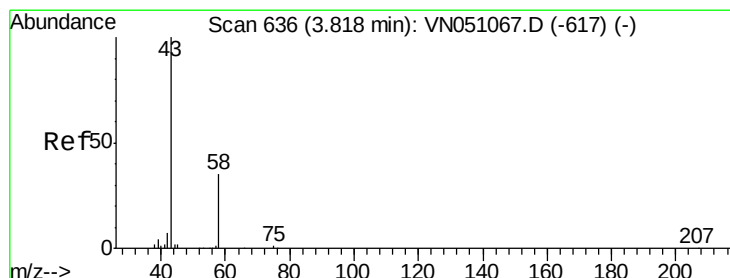
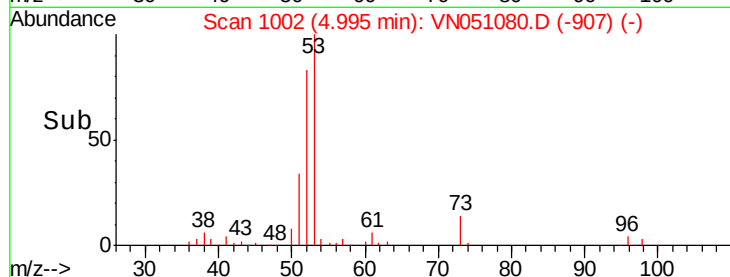
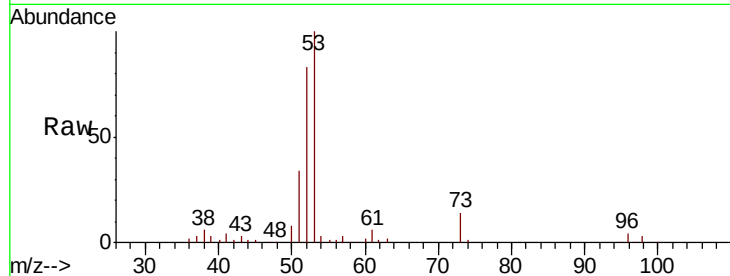
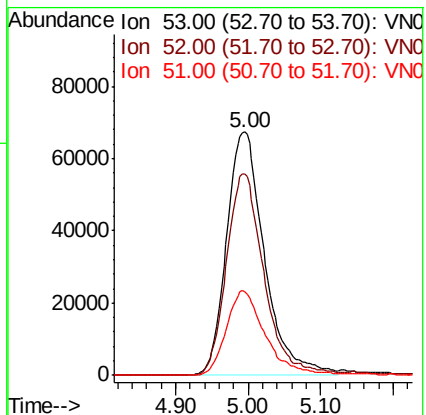
MSVOA_N

ClientSampleId :

VN0910MBS01

Tot Ion: 53 Resp: 245259

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.3	97.9
51	35.7	28.2	42.2



#16

Acetone

Concen: 87.72 ug/l

RT: 3.82 min Scan# 637

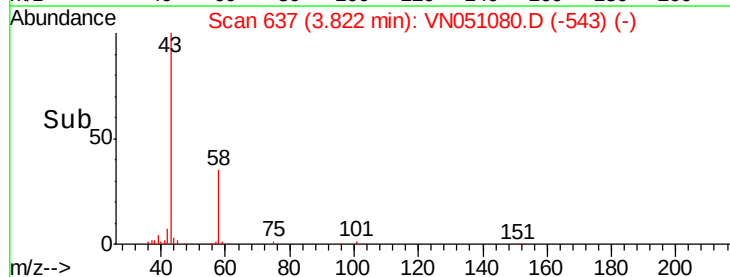
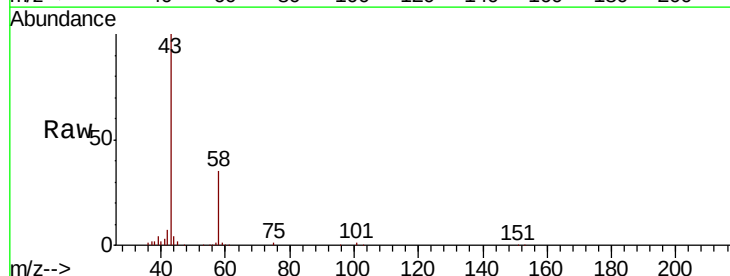
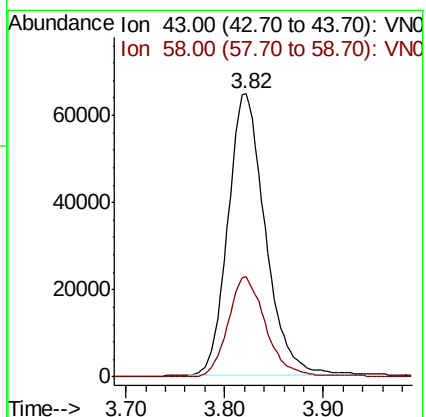
Delta R.T. 0.00 min

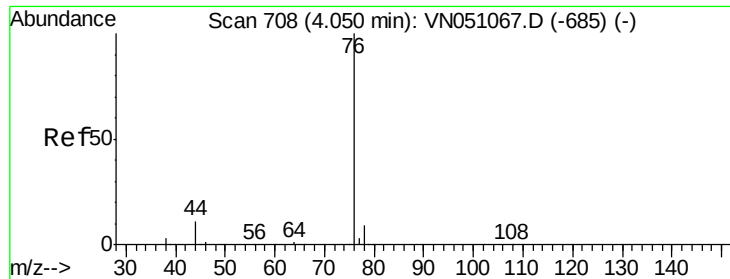
Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Tgt Ion: 43 Resp: 169245

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.8	41.6

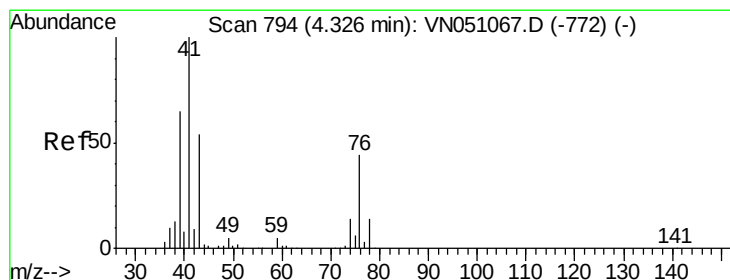
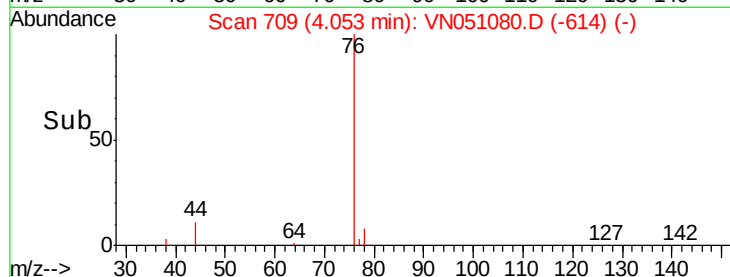
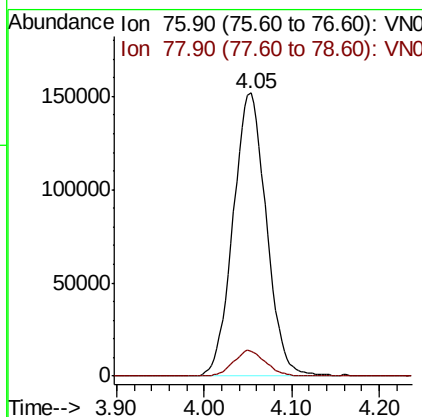
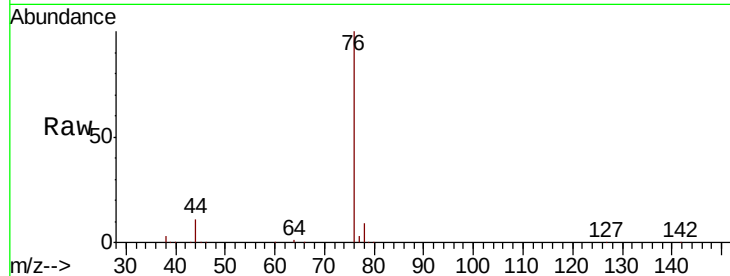




#17
Carbon Disulfide
Concen: 19.05 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

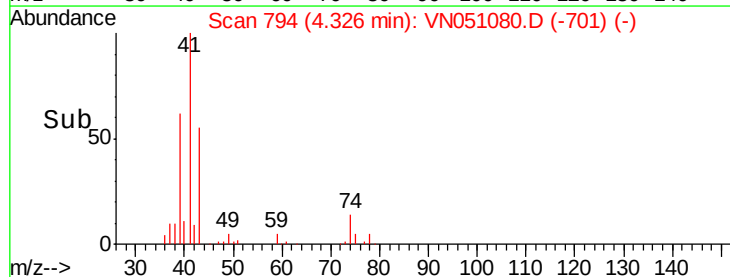
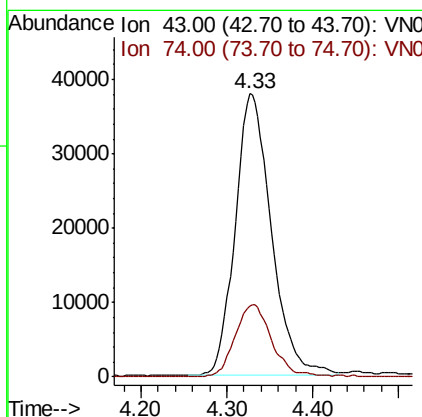
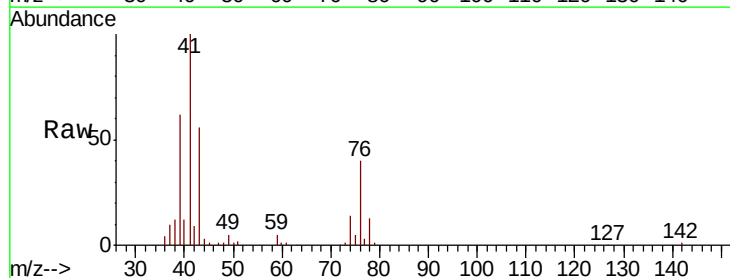
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

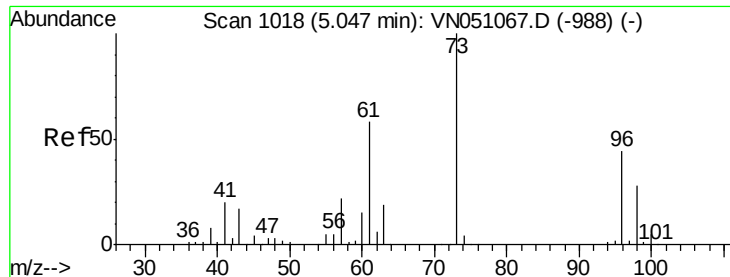
Tot Ion: 76 Resp: 401049
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 18.58 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 43 Resp: 111317
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1

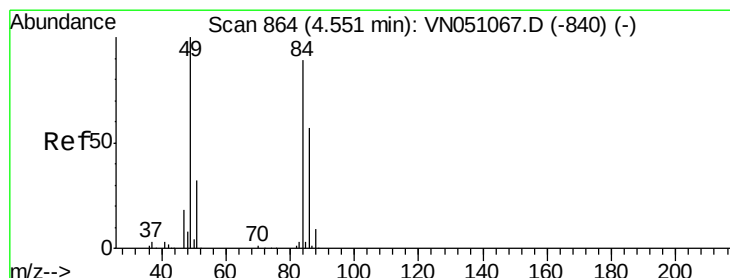
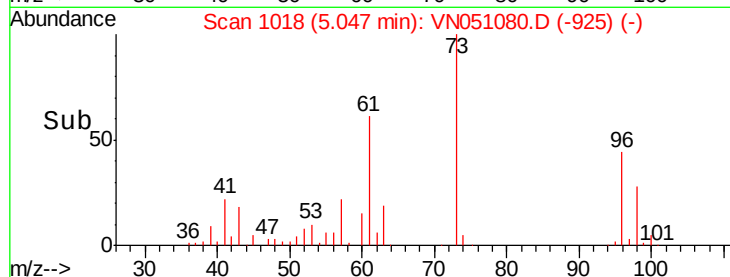
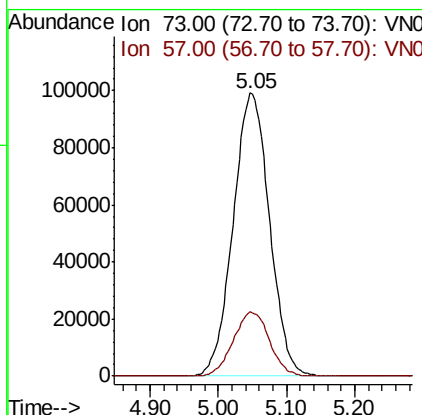
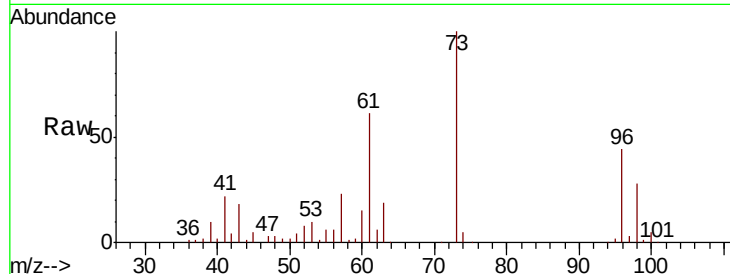




#19
Methyl tert-butyl Ether
Concen: 19.33 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

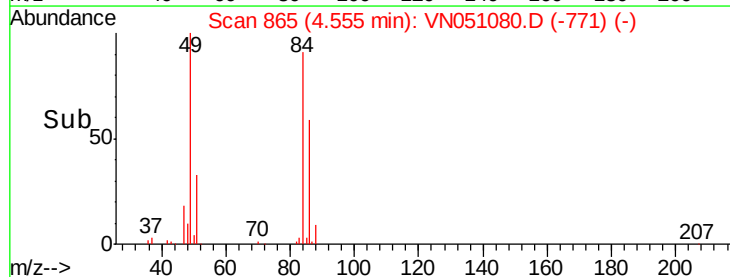
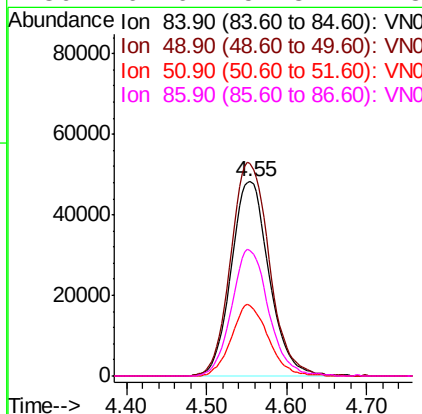
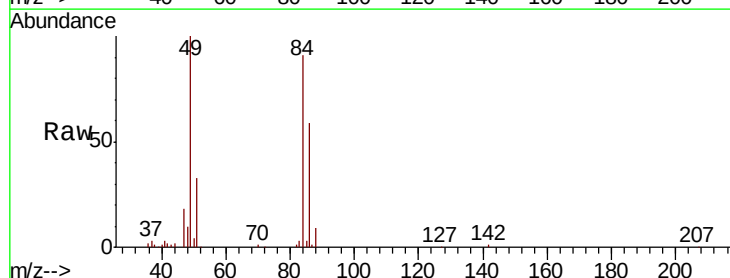
Instrument :
MSVOA_N
ClientSampled :
VN0910MBS01

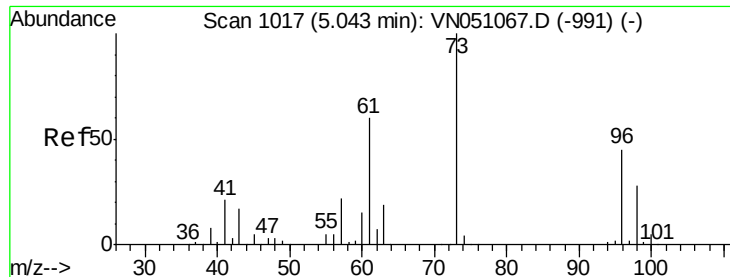
Tot Ion: 73 Resp: 366401
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9



#20
Methylene Chloride
Concen: 18.83 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 84 Resp: 155591
Ion Ratio Lower Upper
84 100
49 109.4 90.2 135.2
51 36.4 28.4 42.6
86 64.6 51.8 77.8

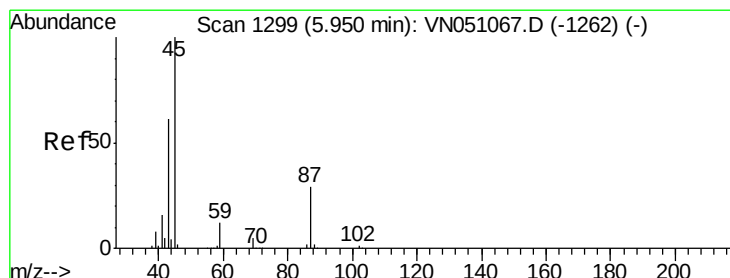
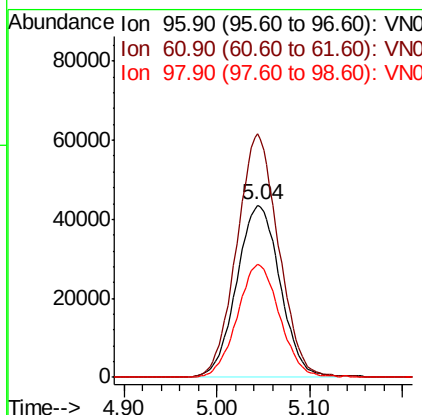
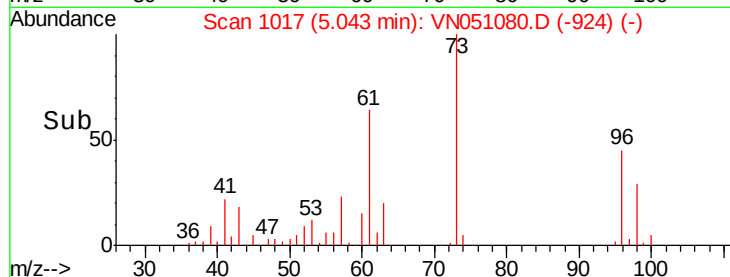
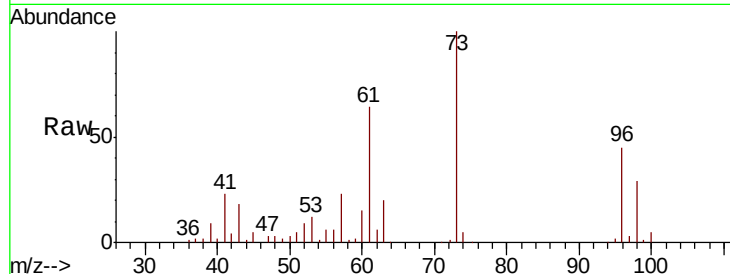




#21
trans-1,2-Dichloroethene
Concen: 18.21 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

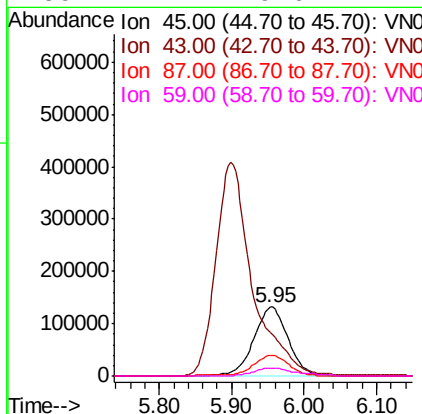
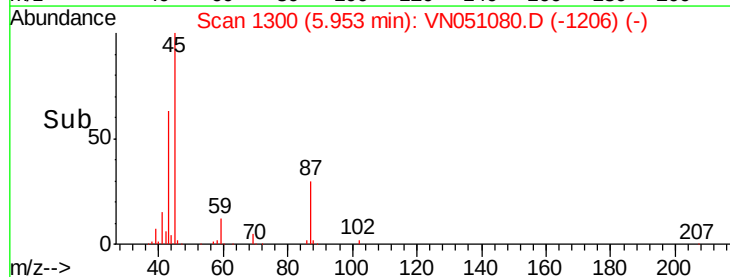
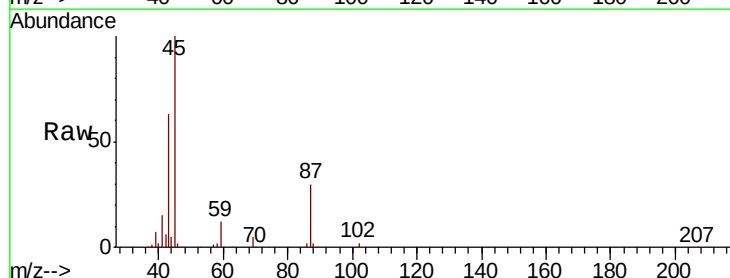
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

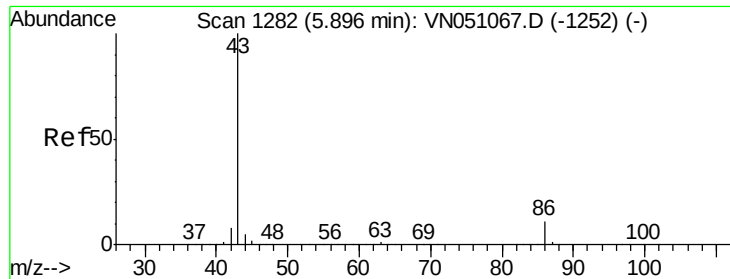
Tot Ion: 96 Resp: 141609
Ion Ratio Lower Upper
96 100
61 141.4 106.5 159.7
98 65.4 50.4 75.6



#22
Diisopropyl ether
Concen: 20.08 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 45 Resp: 435314
Ion Ratio Lower Upper
45 100
43 61.0 48.8 73.2
87 29.8 23.8 35.8
59 11.7 9.6 14.4

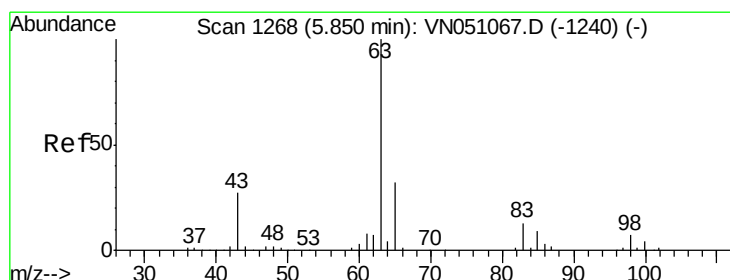
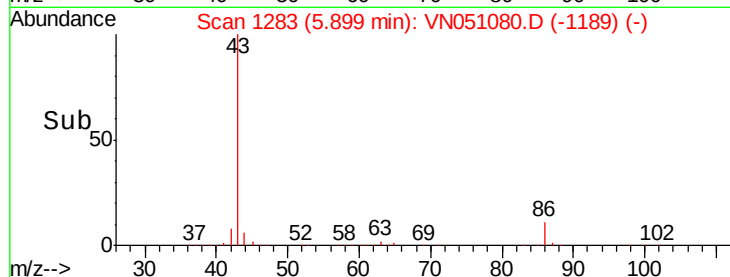
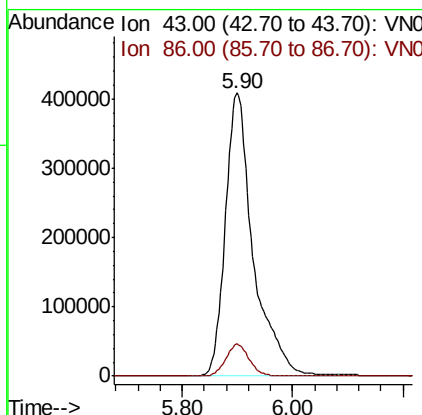
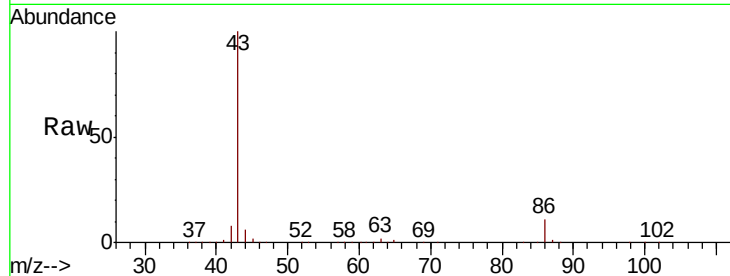




#23
 Vinyl Acetate
 Concen: 97.73 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

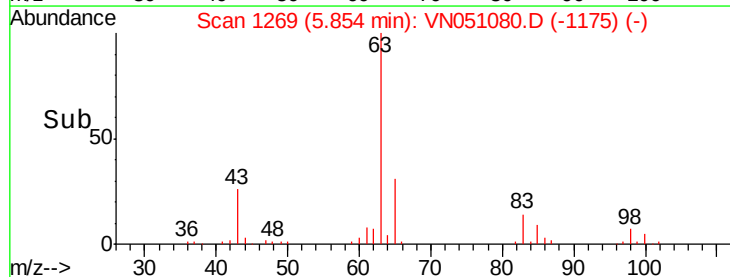
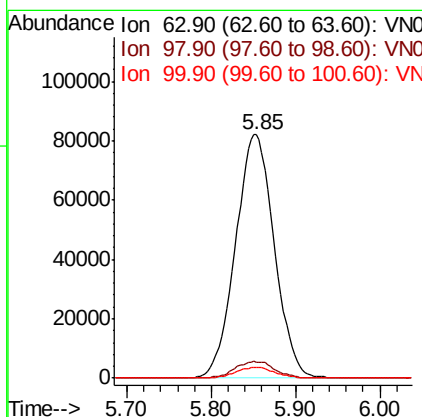
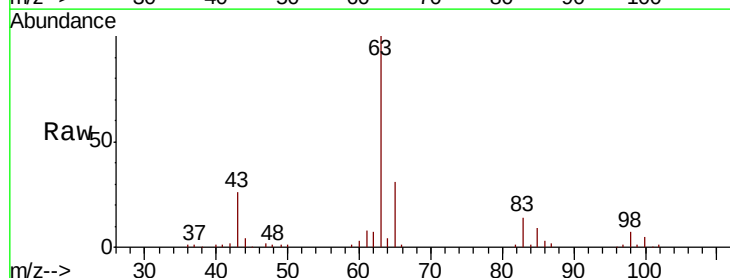
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

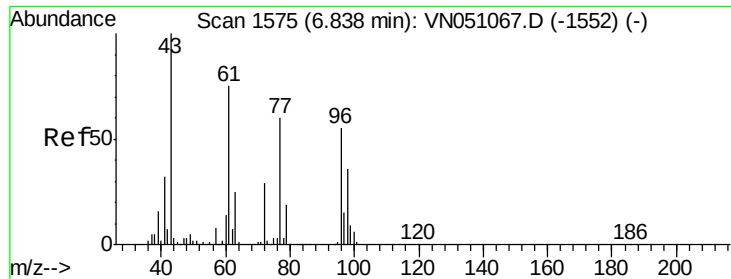
Tot Ion: 43 Resp: 1434061
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 19.03 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion: 63 Resp: 261785
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.1
 100 4.6 2.1 6.3

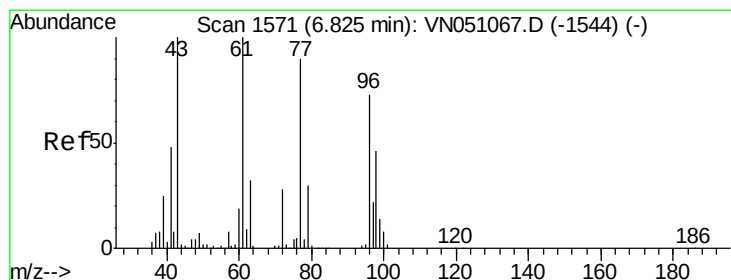
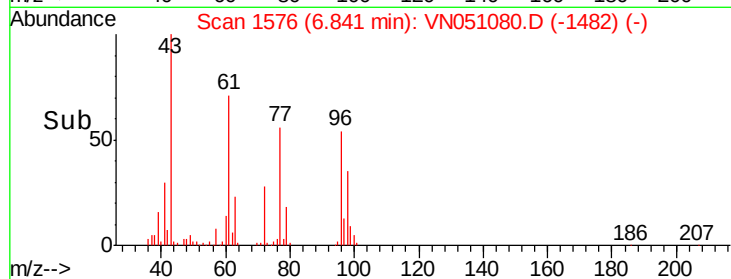
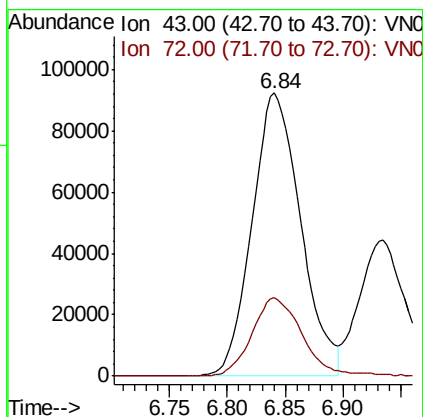
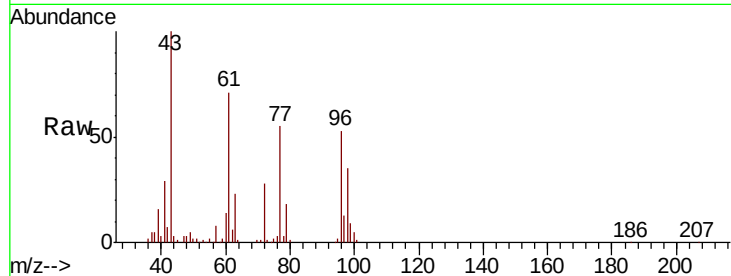




#25
 2-Butanone
 Concen: 91.30 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

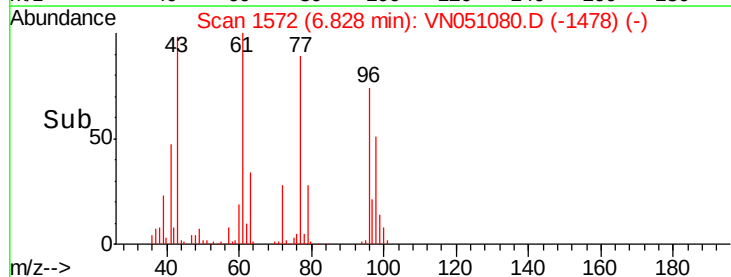
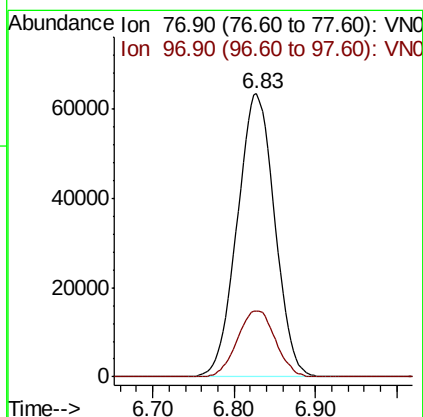
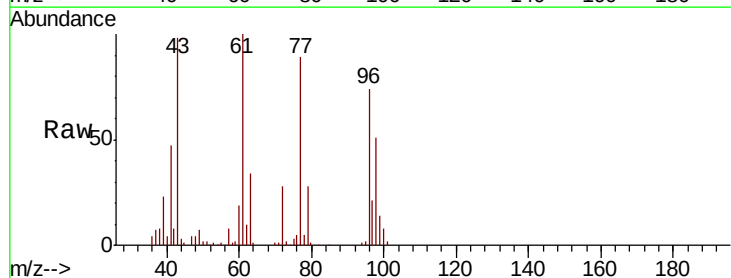
Instrument :
 MSVOA_N
 ClientSampled :
 VN0910MBS01

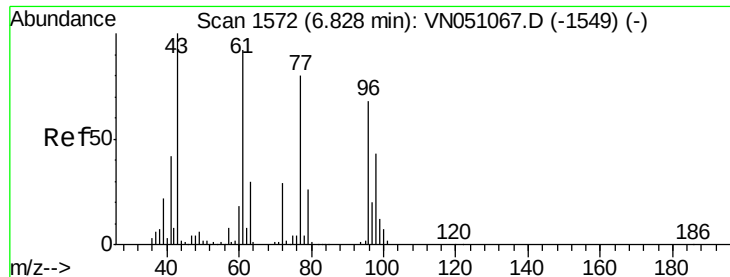
Tot Ion: 43 Resp: 268516
 Ion Ratio Lower Upper
 43 100
 72 27.7 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 17.89 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion: 77 Resp: 201429
 Ion Ratio Lower Upper
 77 100
 97 23.8 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 18.77 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

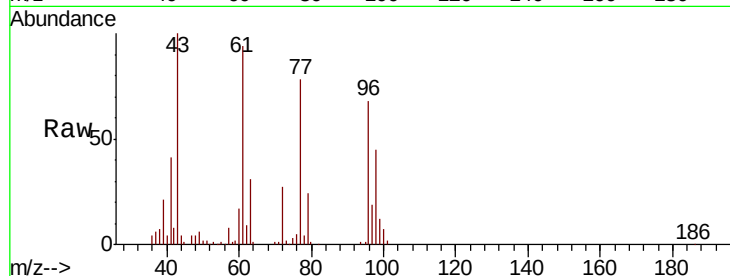
Tot Ion: 96 Resp: 160129

Ion Ratio Lower Upper

96 100

61 136.7 0.0 278.2

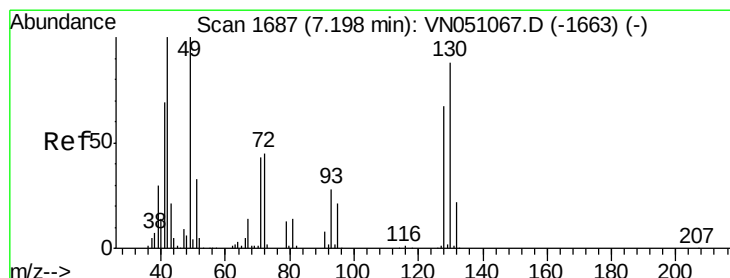
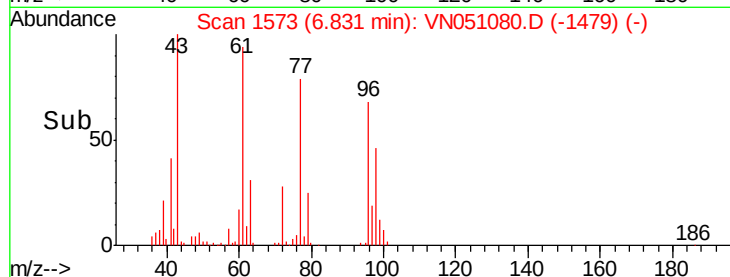
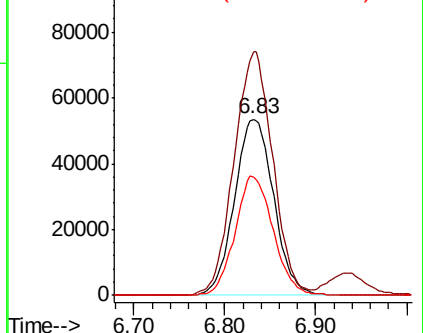
98 65.6 0.0 129.4



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: 23.50 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

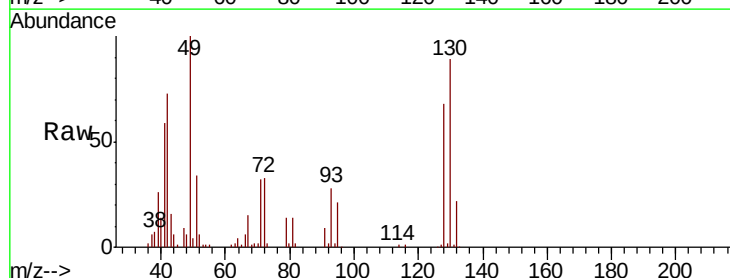
Tgt Ion: 49 Resp: 143921

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

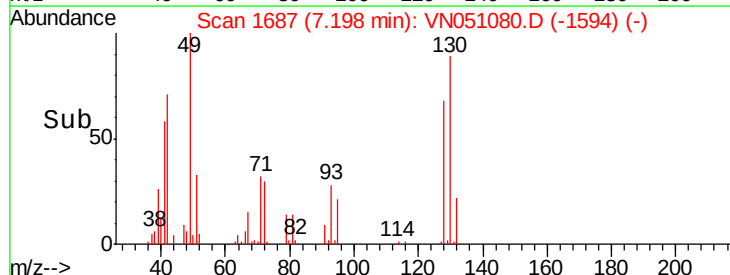
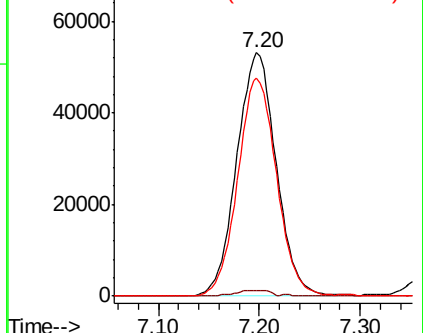
130 88.2 70.7 106.1

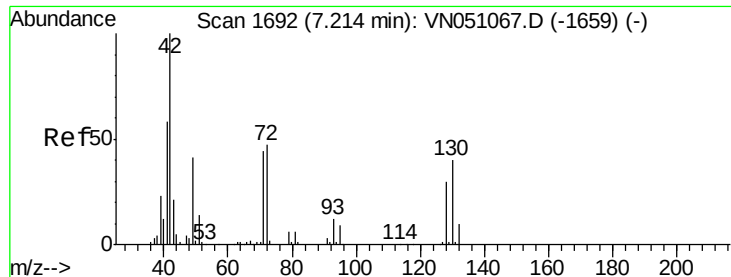


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

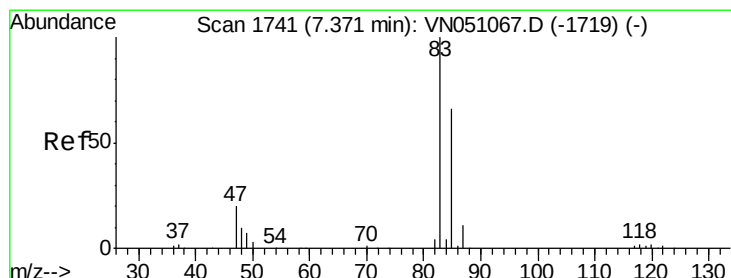
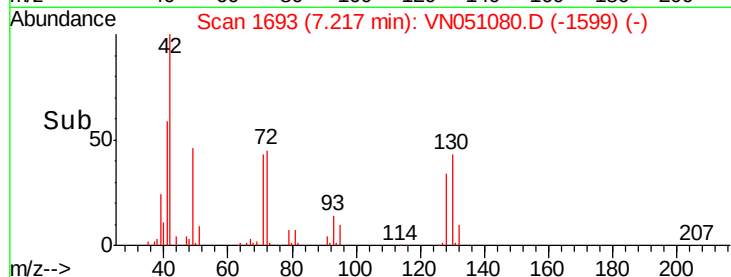
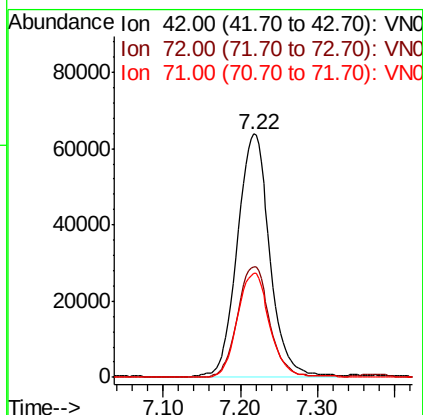
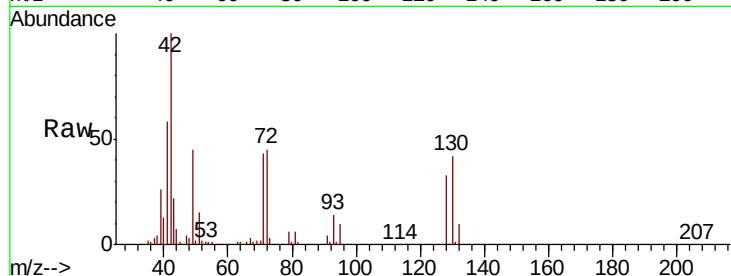




#29
Tetrahydrofuran
Concen: 100.45 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

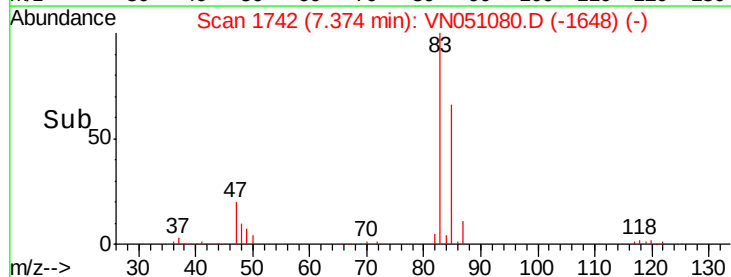
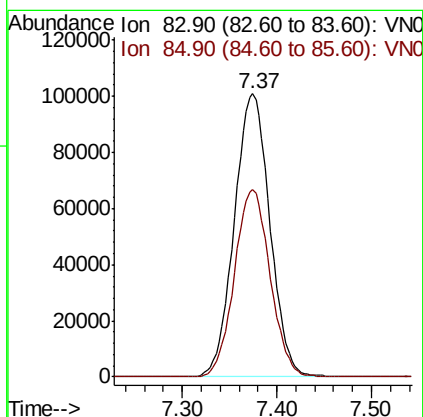
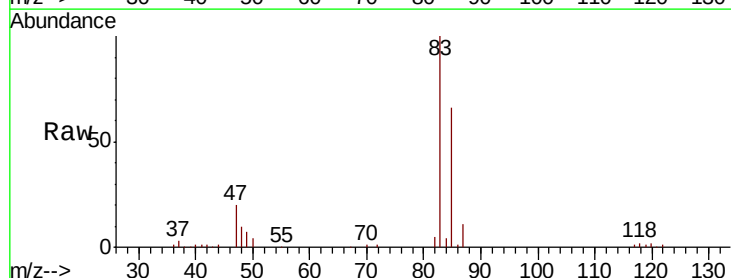
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

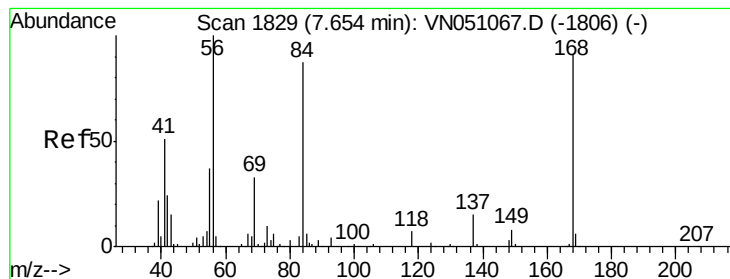
Tot Ion: 42 Resp: 184471
Ion Ratio Lower Upper
42 100
72 45.5 37.4 56.0
71 42.8 34.7 52.1



#30
Chloroform
Concen: 19.29 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 83 Resp: 264060
Ion Ratio Lower Upper
83 100
85 66.3 52.6 79.0





#31

Cyclohexane

Concen: 19.22 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

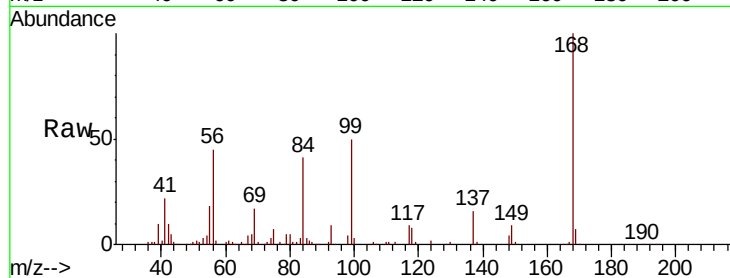
Tot Ion: 56 Resp: 237447

Ion Ratio Lower Upper

56 100

69 37.1 26.3 39.5

84 89.9 69.4 104.0

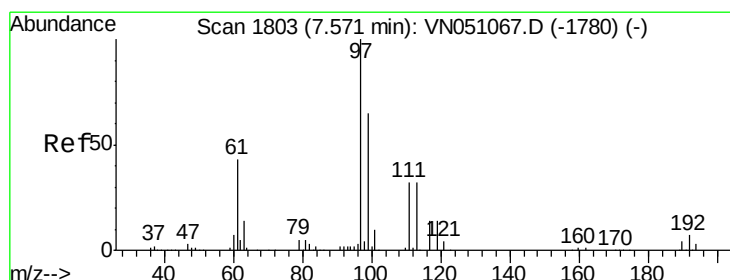
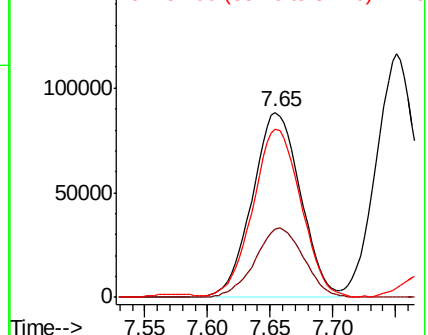
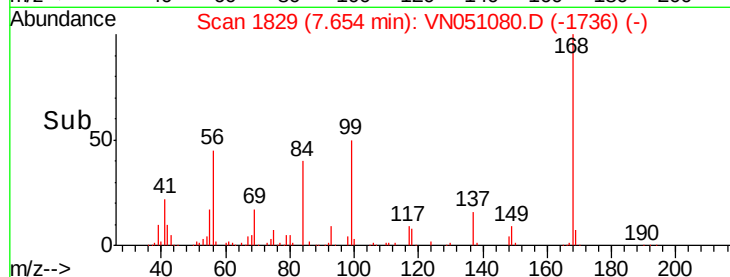


Abundance

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: 19.39 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

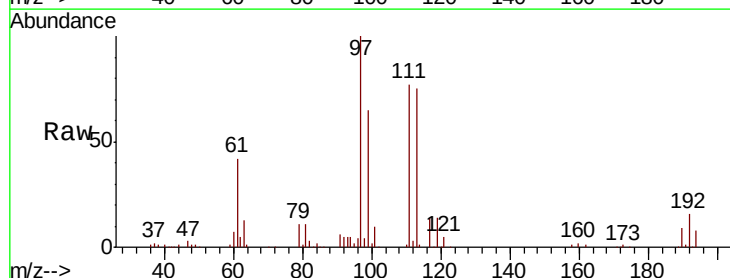
Tgt Ion: 97 Resp: 226109

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.0 33.8 50.6

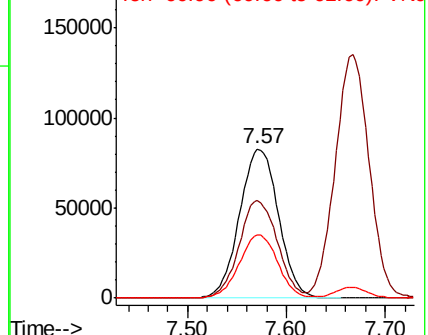
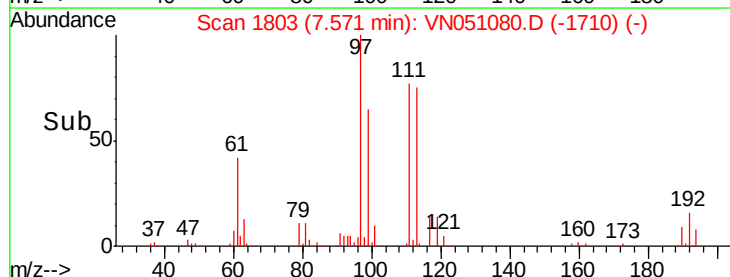


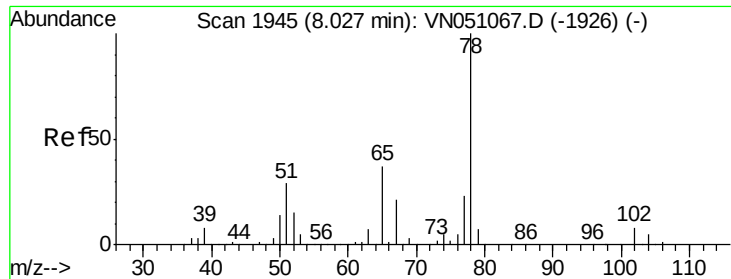
Abundance

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

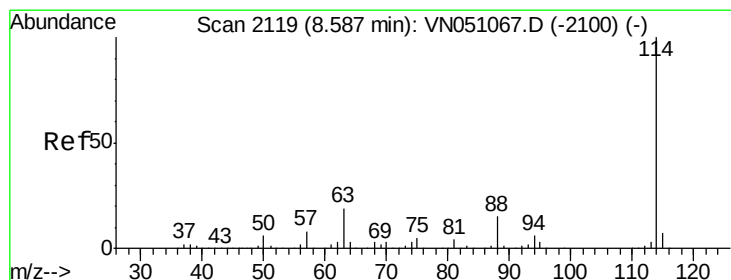
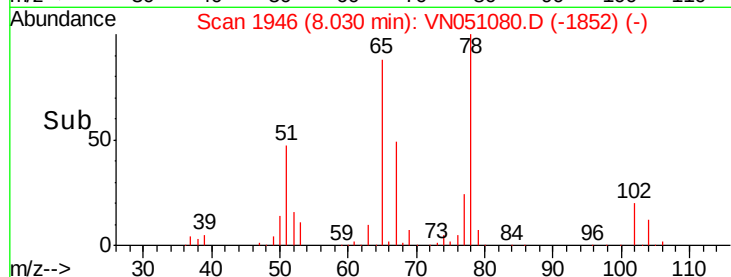
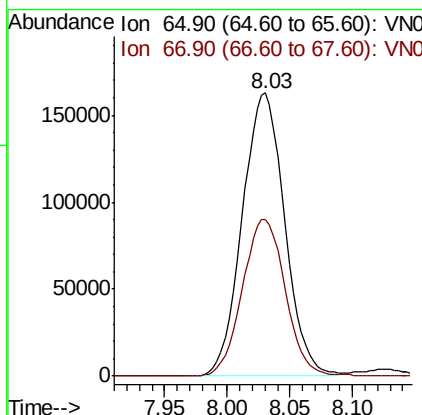
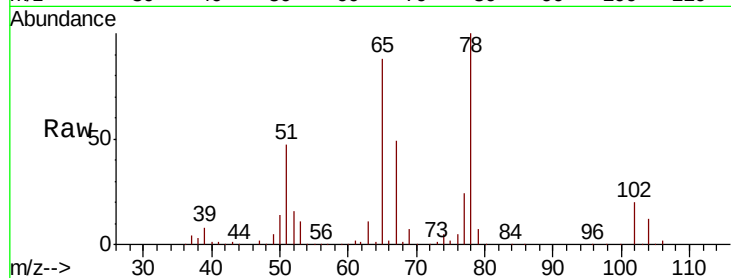




#33
 1,2-Dichloroethane-d4
 Concen: 51.26 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

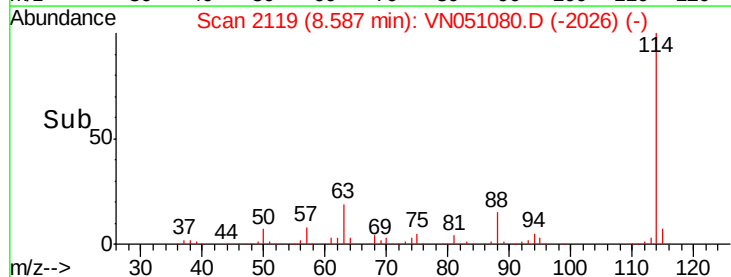
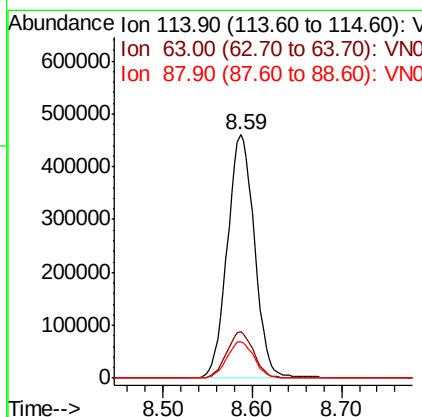
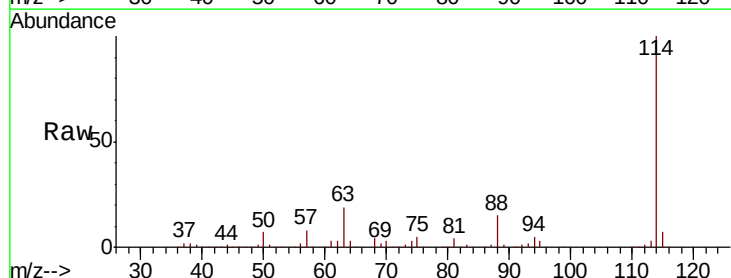
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

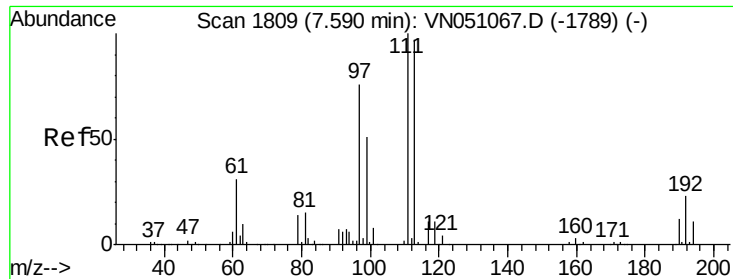
Tot Ion: 65 Resp: 383422
 Ion Ratio Lower Upper
 65 100
 67 56.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion: 114 Resp: 971298
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 37.8
 88 15.1 0.0 30.8

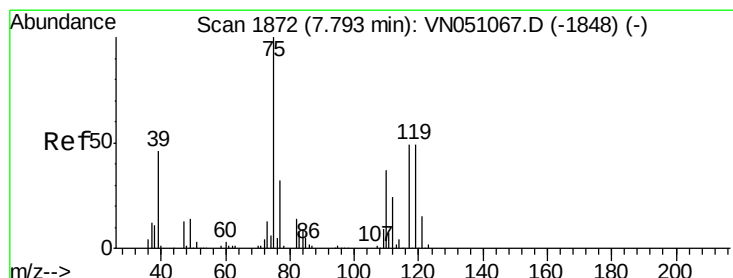
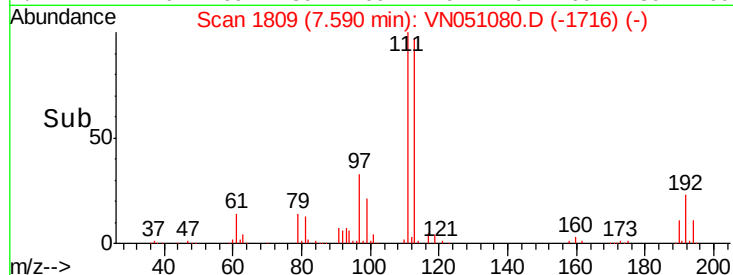
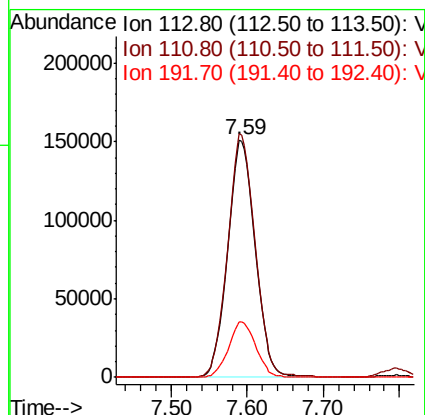
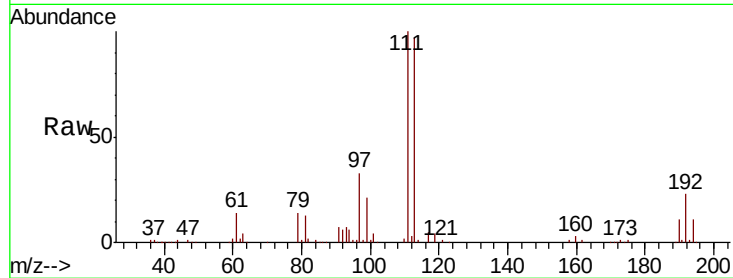




#35
 Dibromofluoromethane
 Concen: 52.07 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

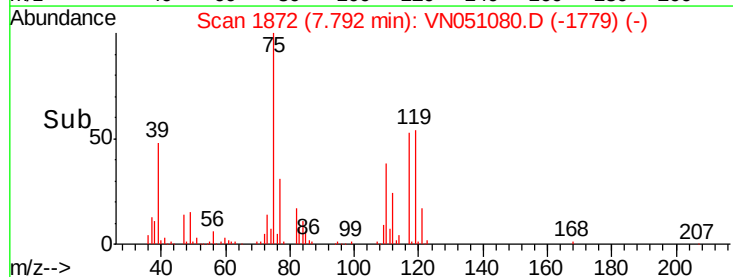
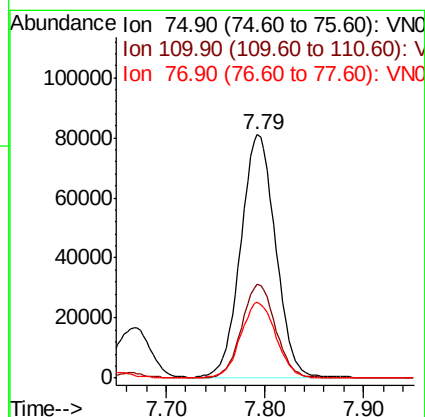
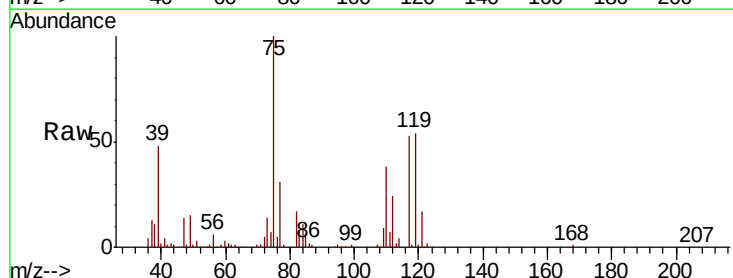
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

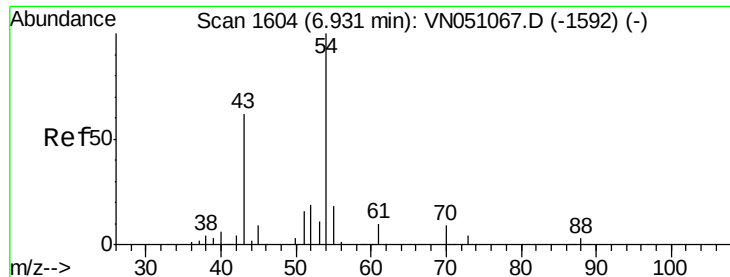
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.6
192	23.3	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 18.54 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.6	55.8
77	31.6	25.2	37.8

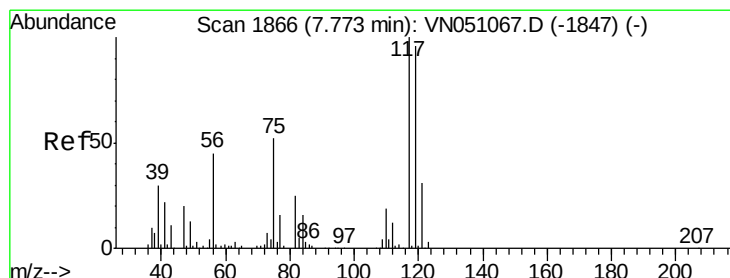
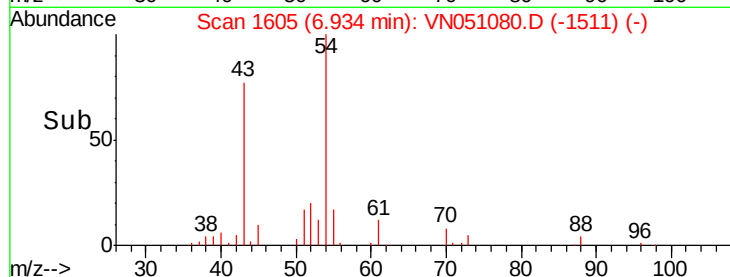
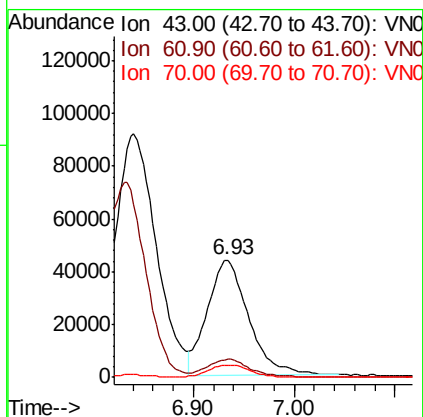
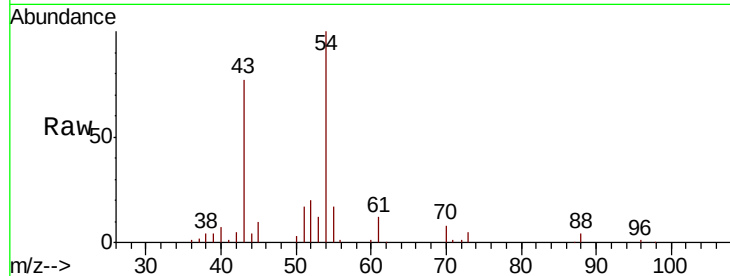




#37
Ethyl Acetate
Concen: 20.37 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

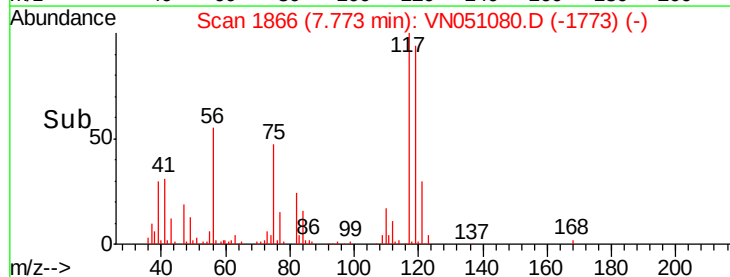
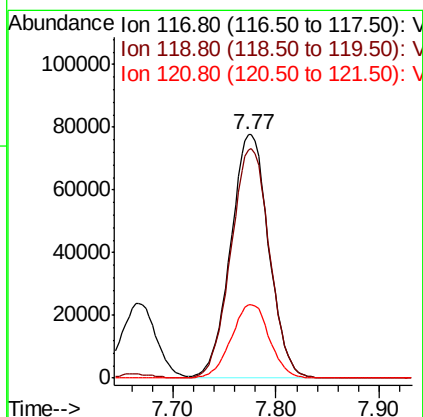
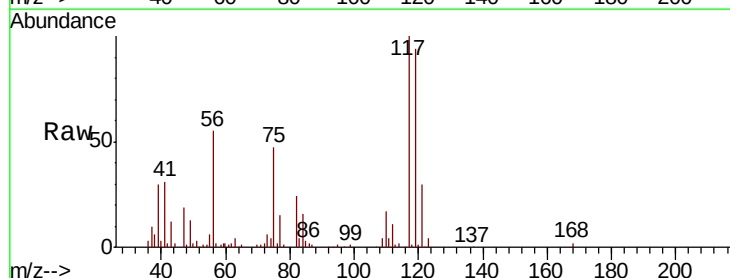
Instrument :
MSVOA_N
ClientSampled :
VN0910MBS01

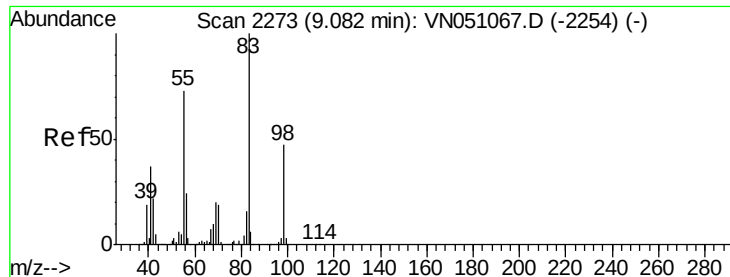
Tot Ion: 43 Resp: 125826
Ion Ratio Lower Upper
43 100
61 15.0 12.4 18.6
70 10.7 9.3 13.9



#38
Carbon Tetrachloride
Concen: 19.05 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 117 Resp: 199960
Ion Ratio Lower Upper
117 100
119 93.8 76.8 115.2
121 30.2 24.6 36.8

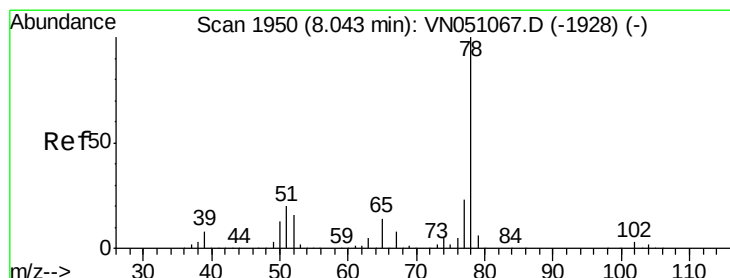
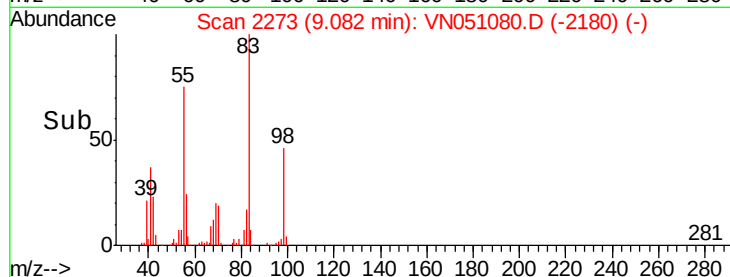
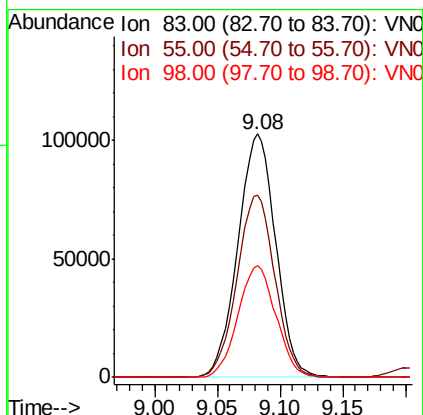
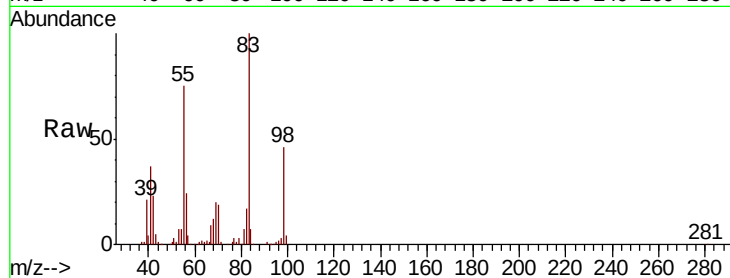




#39
Methylvlcyclohexane
Concen: 18.31 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

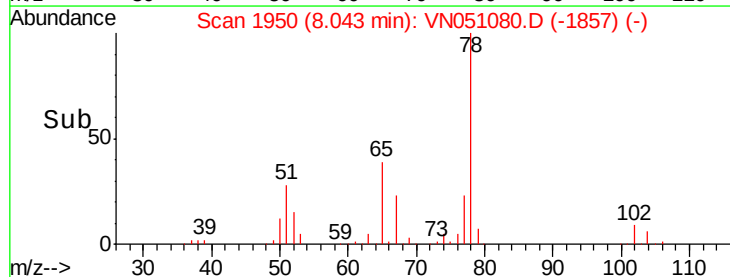
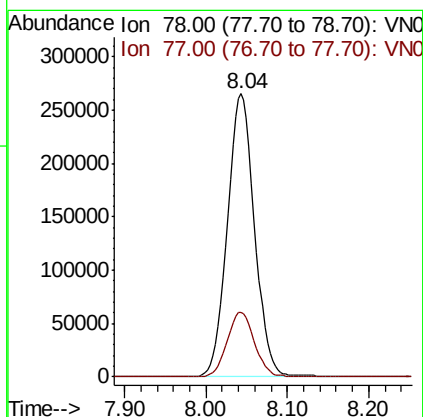
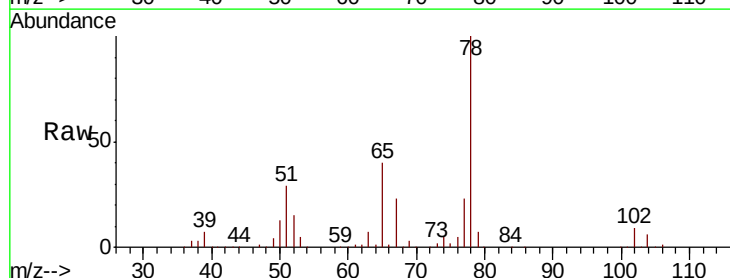
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

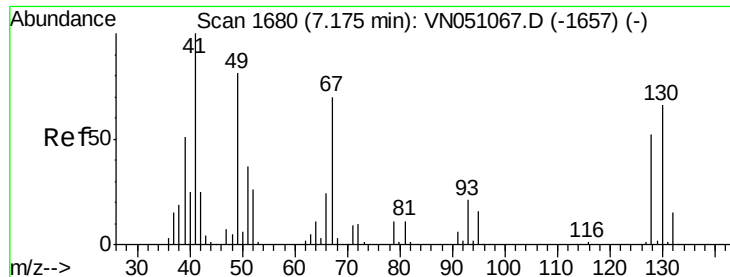
Tot Ion: 83 Resp: 215490
Ion Ratio Lower Upper
83 100
55 75.1 58.4 87.6
98 45.7 37.3 55.9



#40
Benzene
Concen: 19.29 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 78 Resp: 620009
Ion Ratio Lower Upper
78 100
77 23.0 18.6 27.8

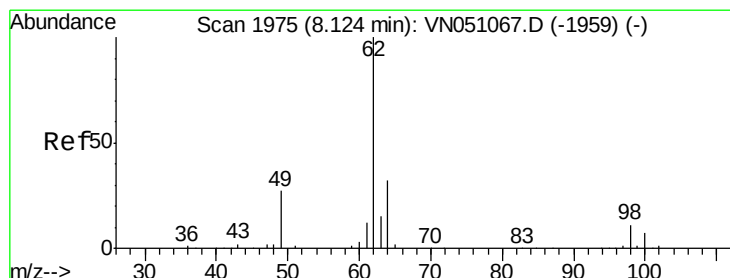
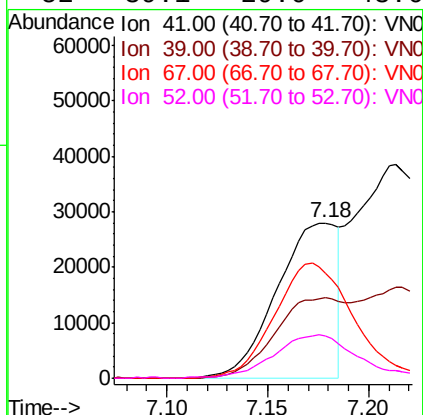
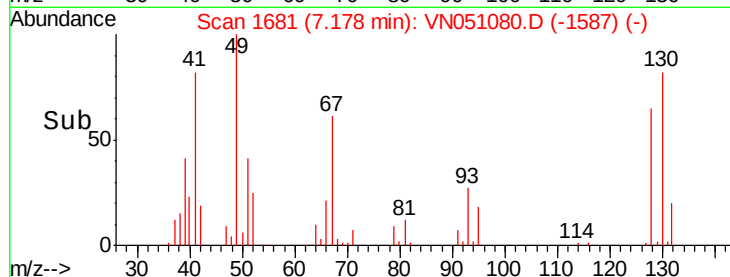
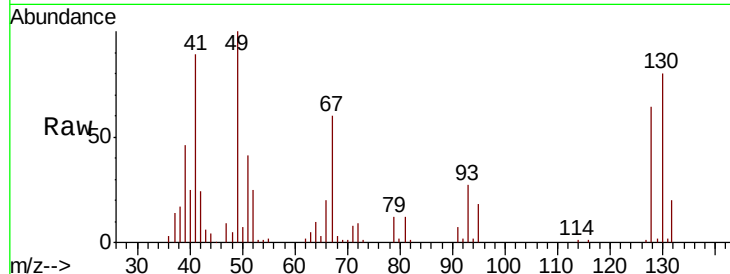




#41
Methacrylonitrile
Concen: 18.32 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

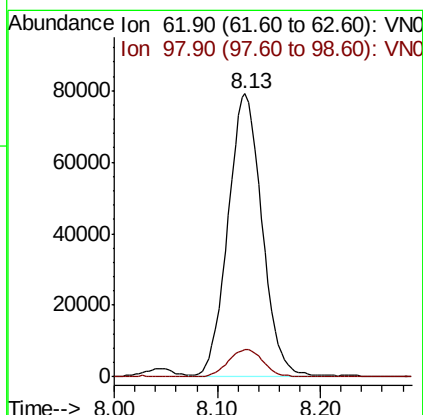
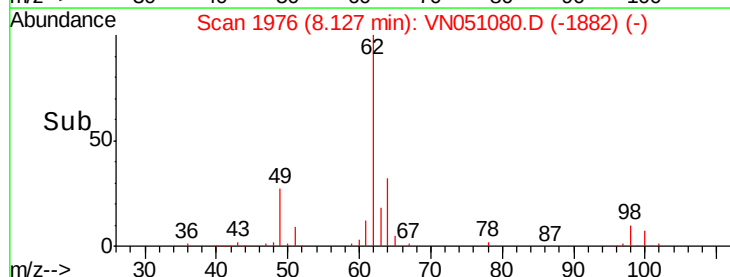
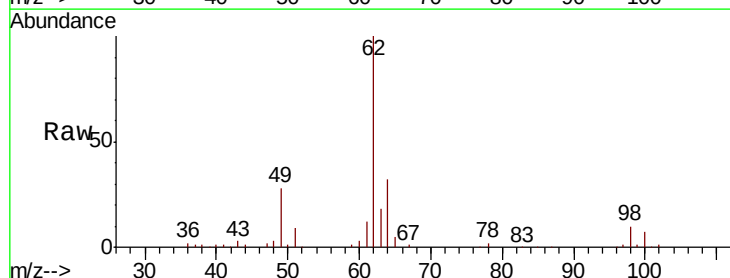
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

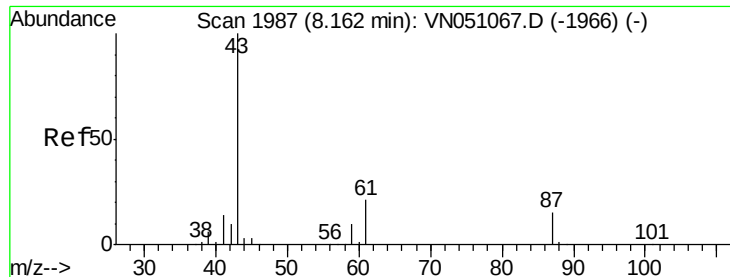
Tot Ion: 41 Resp: 58390
Ion Ratio Lower Upper
41 100
39 57.5 51.3 76.9
67 97.7 78.5 117.7
52 39.1 29.0 43.6



#42
1,2-Dichloroethane
Concen: 19.35 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 62 Resp: 181205
Ion Ratio Lower Upper
62 100
98 10.0 0.0 21.0





#43

Isopropyl Acetate

Concen: 19.59 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

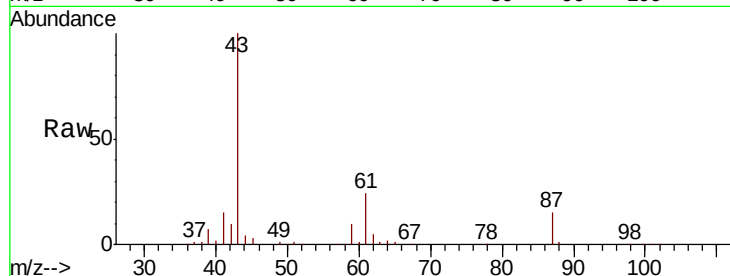
Tot Ion: 43 Resp: 213488

Ion Ratio Lower Upper

43 100

61 32.0 25.0 37.6

87 14.7 11.8 17.8

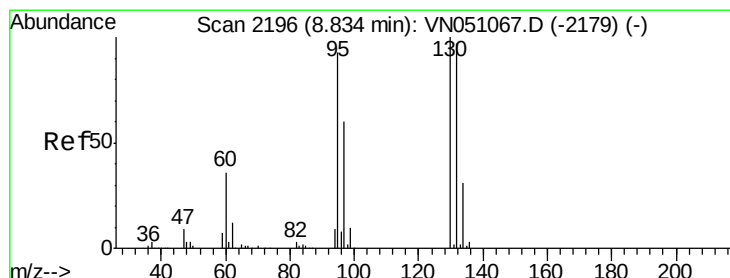
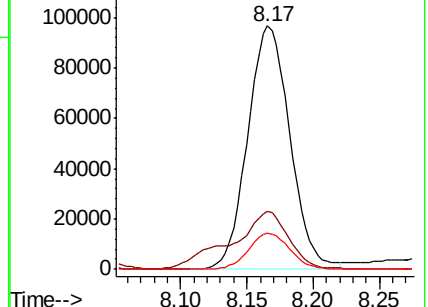
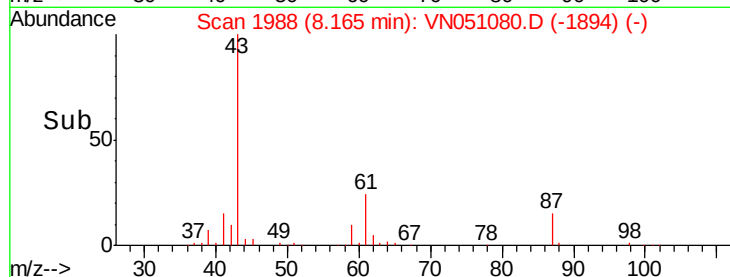


Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 18.58 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051080.D

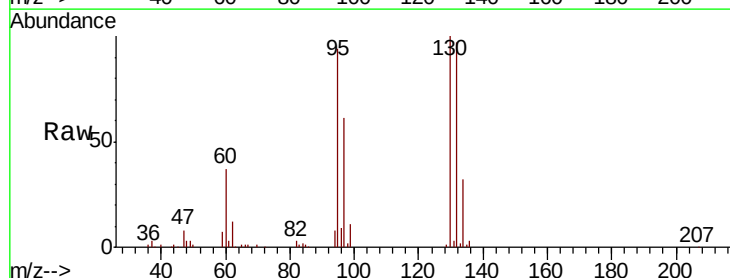
Acq: 10 Sep 2018 16:10

Tgt Ion:130 Resp: 163279

Ion Ratio Lower Upper

130 100

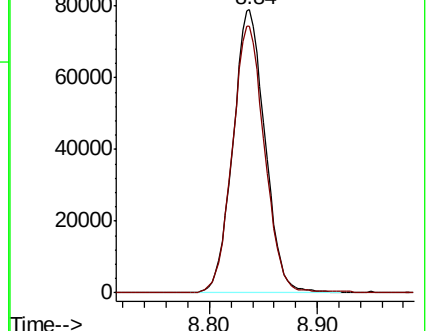
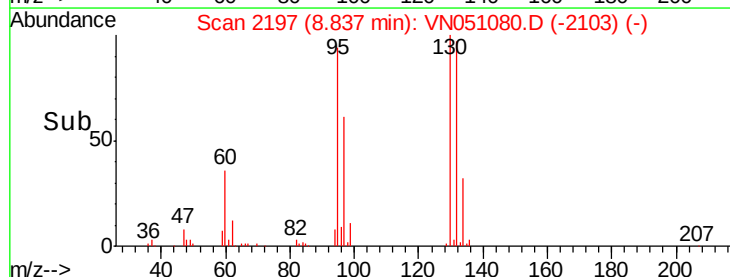
95 94.0 0.0 186.2

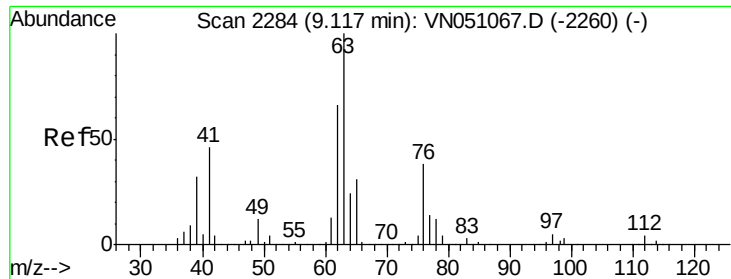


Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)

Time-->

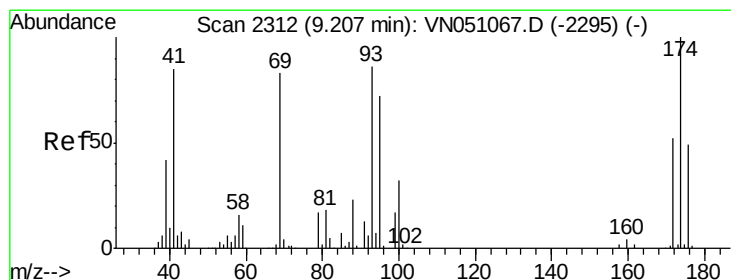
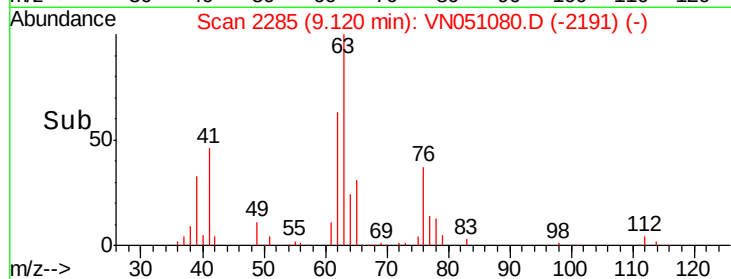
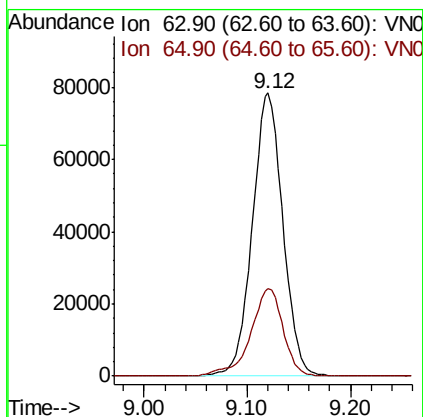
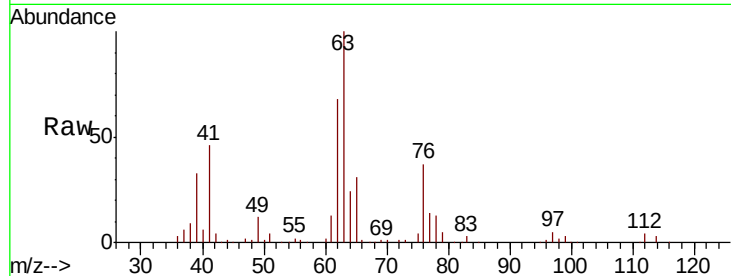




#45
 1,2-Dichloropropane
 Concen: 19.34 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

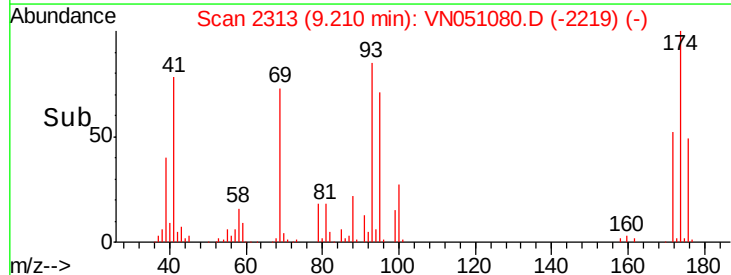
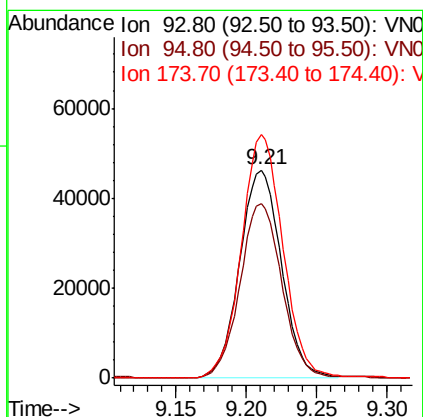
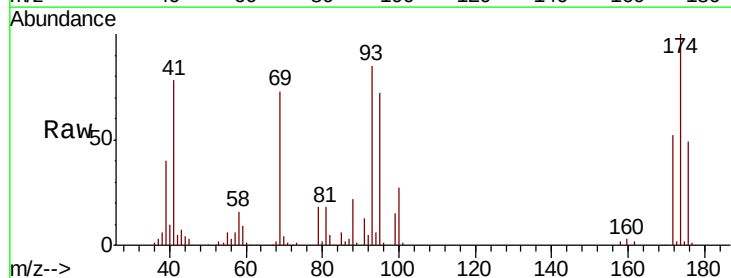
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

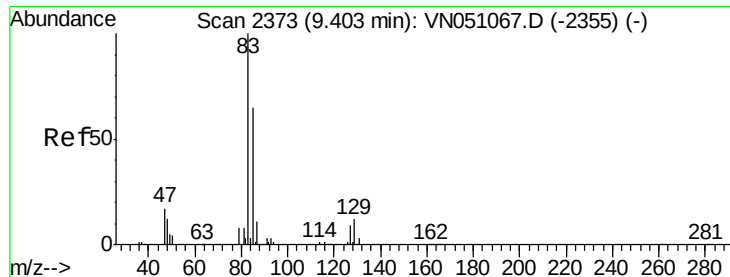
Tot Ion: 63 Resp: 160584
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1



#46
 Dibromomethane
 Concen: 18.95 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion: 93 Resp: 96024
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.8 100.2
 174 116.2 93.3 139.9





#47

Bromodichloromethane

Concen: 19.27 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS01

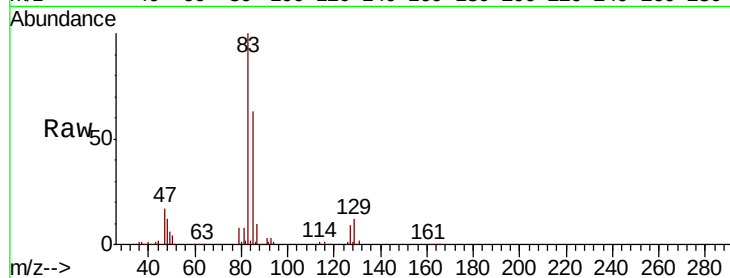
Tot Ion: 83 Resp: 198551

Ion Ratio Lower Upper

83 100

85 63.1 52.3 78.5

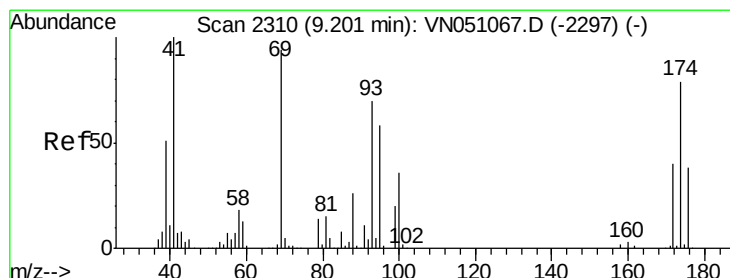
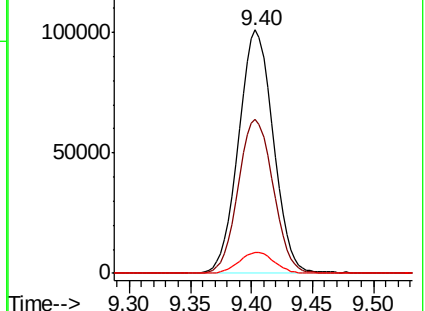
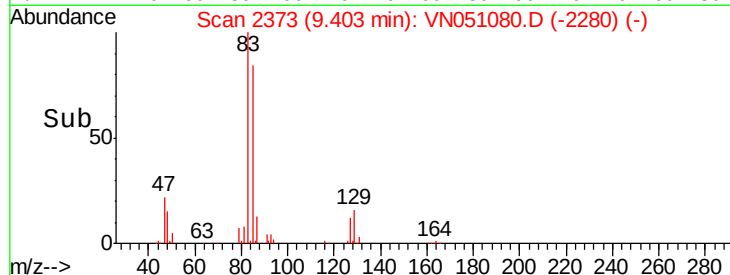
127 8.7 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN051080.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051080.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051080.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.32 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

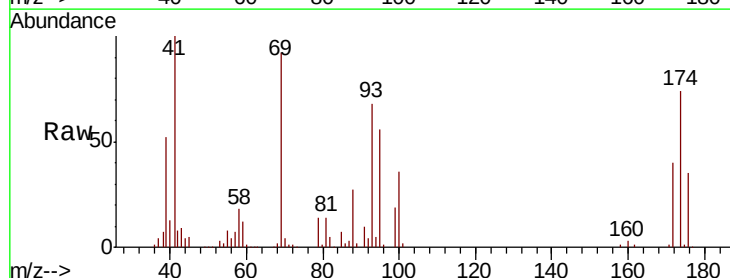
Tgt Ion: 41 Resp: 102598

Ion Ratio Lower Upper

41 100

69 97.7 77.7 116.5

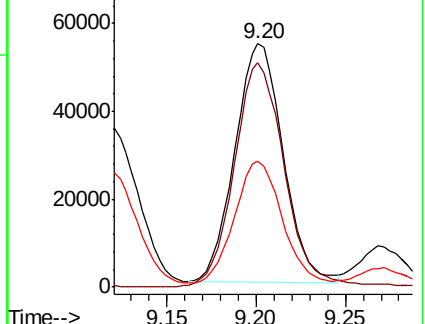
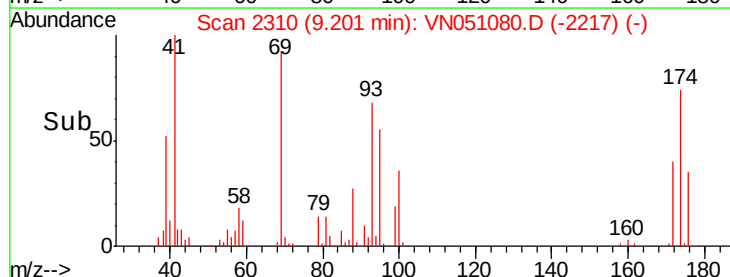
39 53.3 41.6 62.4

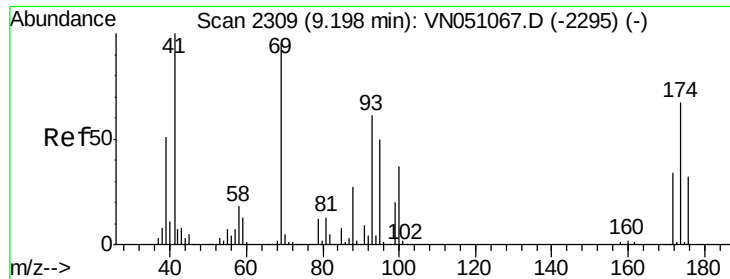


Abundance Ion 41.00 (40.70 to 41.70): VN051080.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051080.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051080.D (-2217) (-)





#49

1,4-Dioxane

Concen: 387.11 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

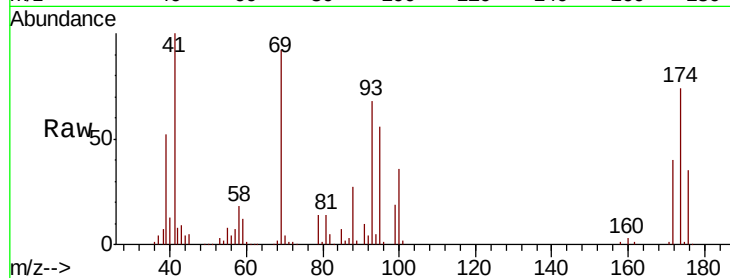
MSVOA_N

ClientSampleId :

VN0910MBS01

Tot Ion: 88 Resp: 32238

Ion	Ratio	Lower	Upper
88	100		
43	28.5	23.7	35.5
58	69.2	54.6	82.0

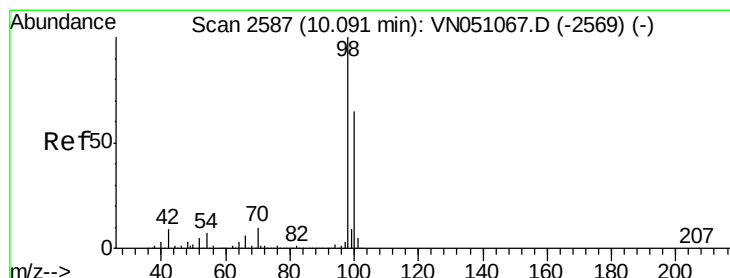
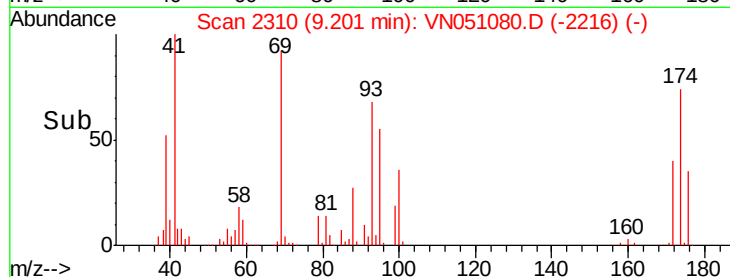
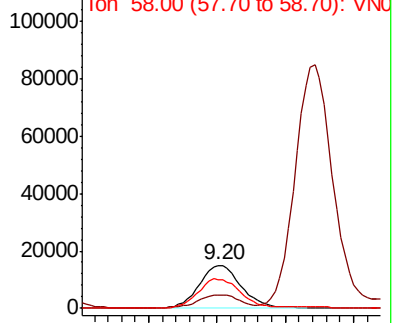


Abundance

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: 50.78 ug/l

RT: 10.09 min Scan# 2587

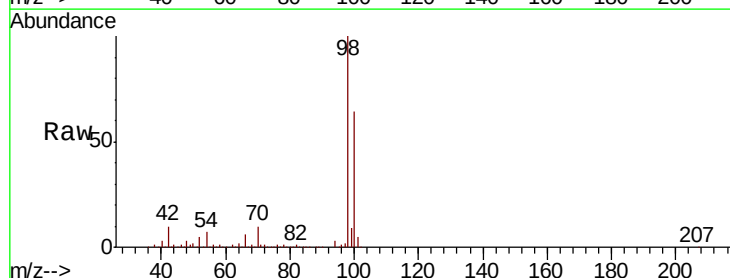
Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Tgt Ion: 98 Resp: 1406272

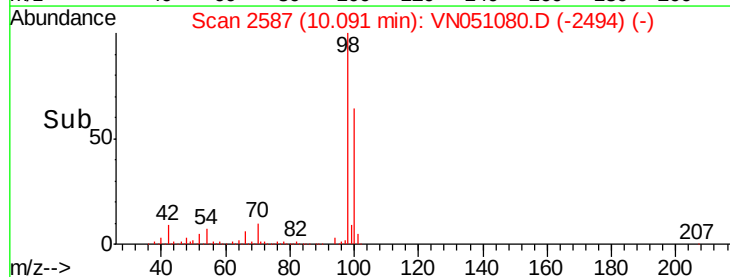
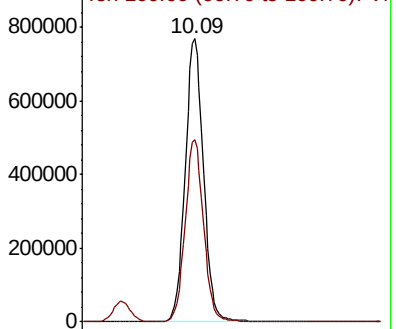
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0

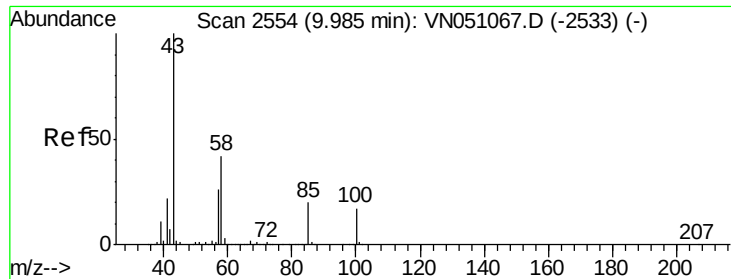


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

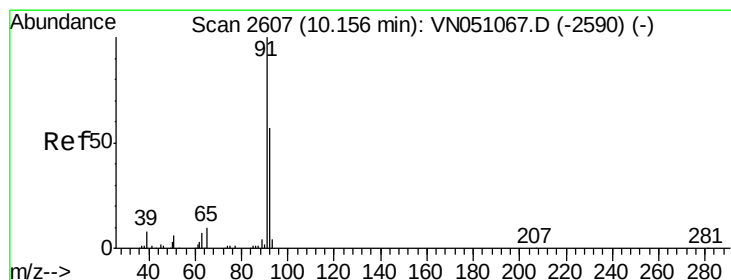
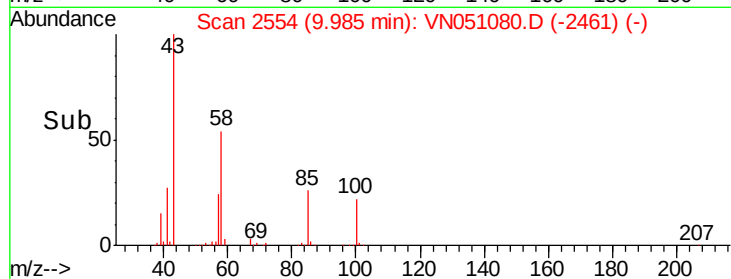
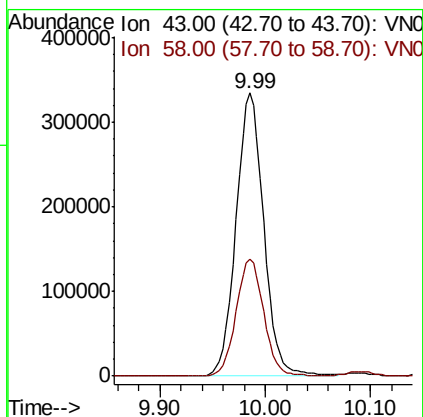
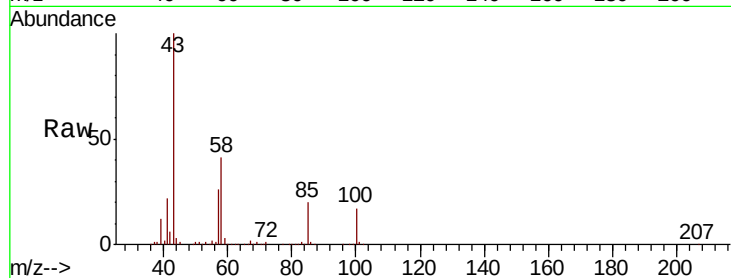




#51
 4-Methyl-2-Pentanone
 Concen: 100.72 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

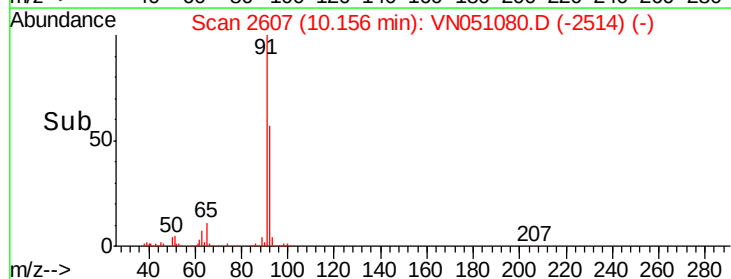
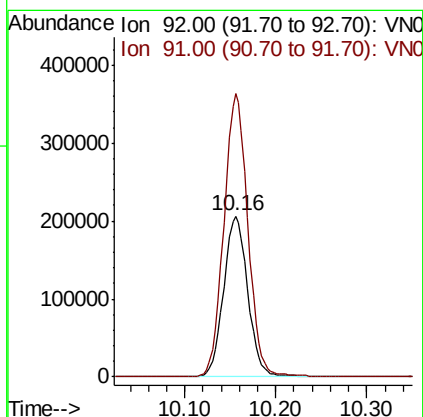
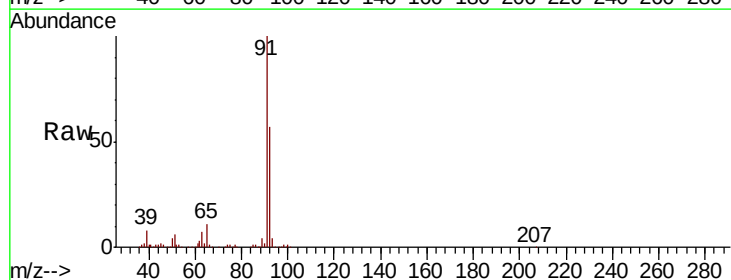
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

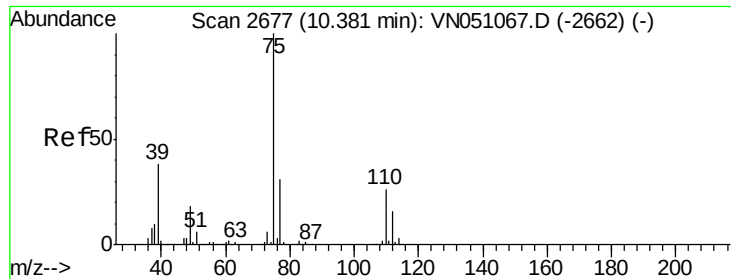
Tot Ion: 43 Resp: 606984
 Ion Ratio Lower Upper
 43 100
 58 41.5 33.5 50.3



#52
 Toluene
 Concen: 19.42 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion: 92 Resp: 380464
 Ion Ratio Lower Upper
 92 100
 91 175.3 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 18.51 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampled :

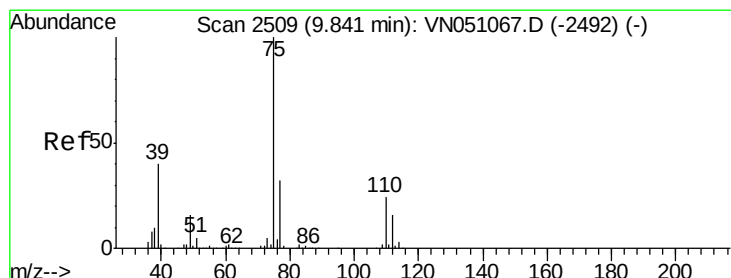
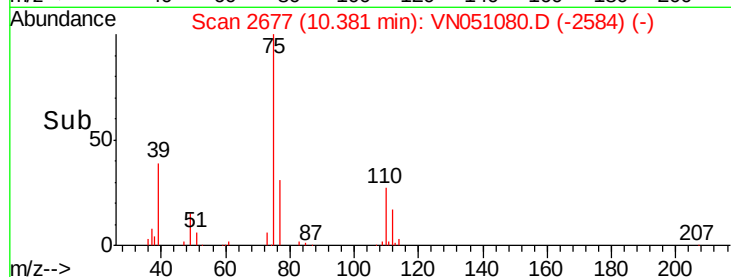
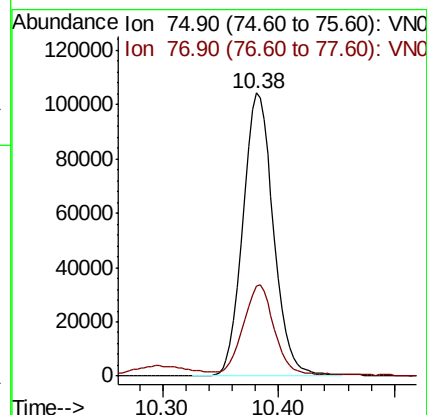
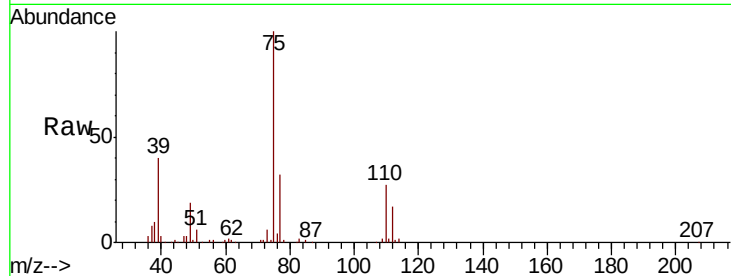
VN0910MBS01

Tot Ion: 75 Resp: 190853

Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 18.84 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

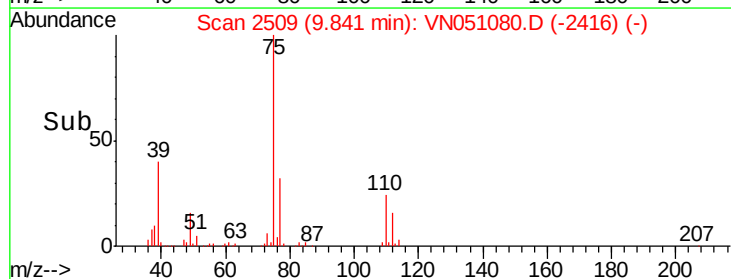
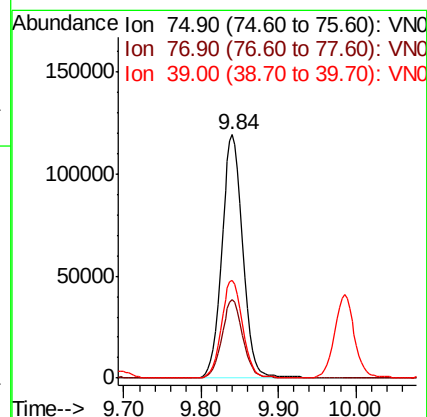
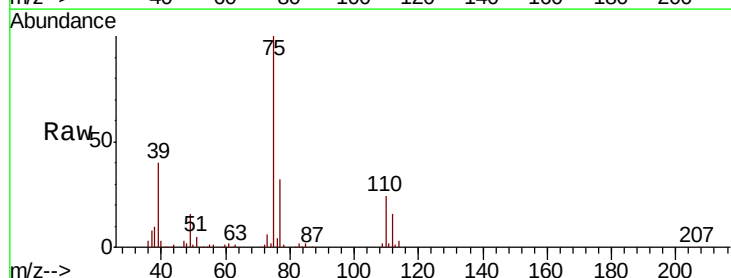
Tgt Ion: 75 Resp: 227735

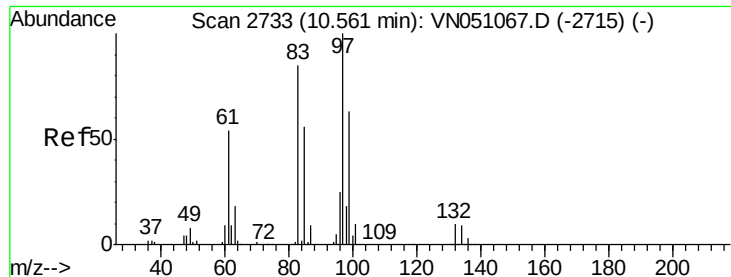
Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5

39 40.0 31.9 47.9

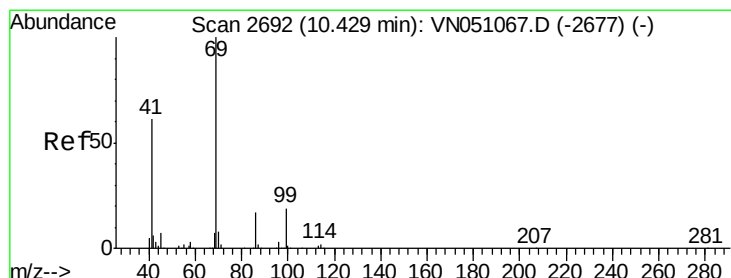
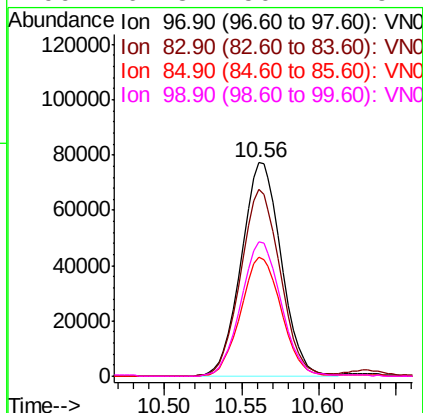
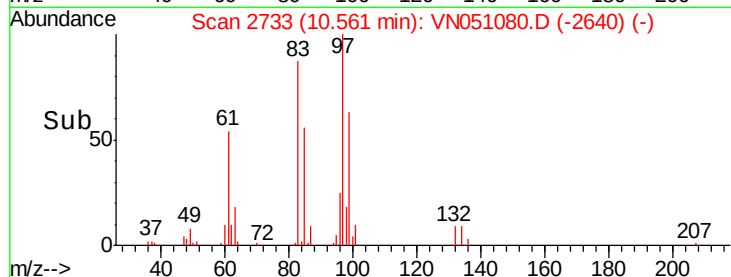
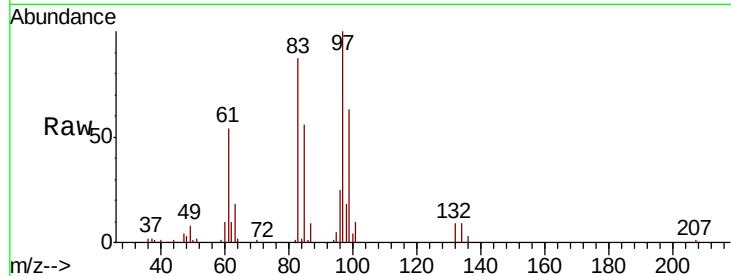




#55
 1,1,2-Trichloroethane
 Concen: 19.58 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

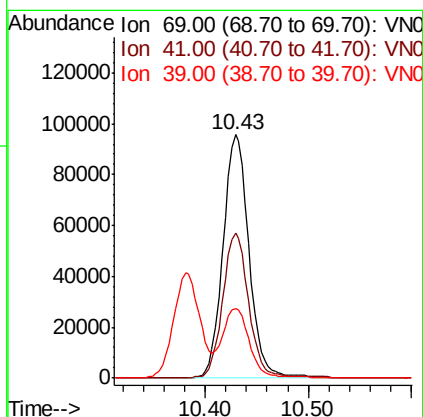
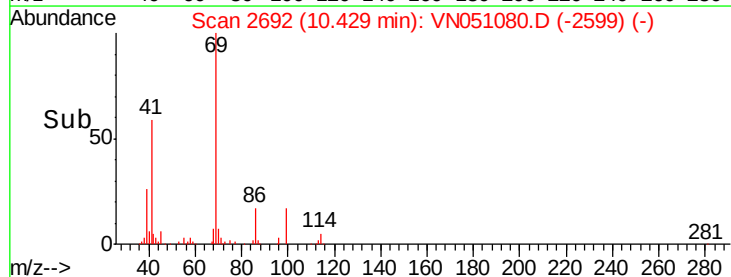
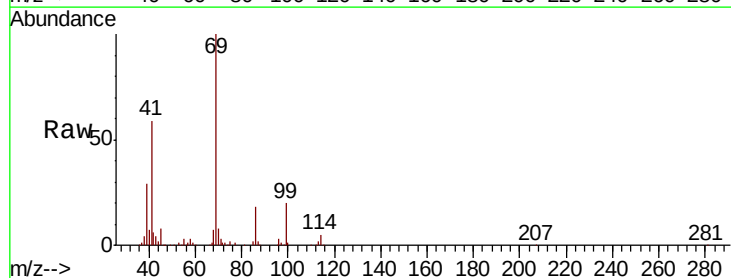
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

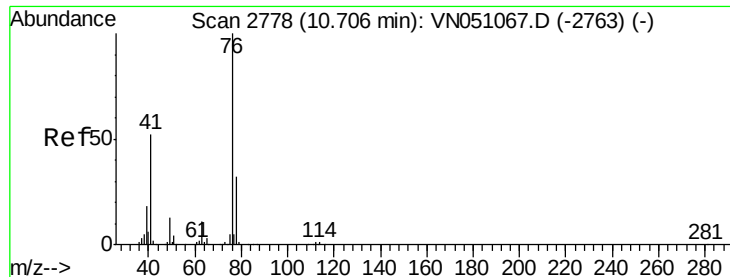
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.4	68.2	102.2	
85	55.6	44.8	67.2	
99	62.8	50.2	75.4	



#56
 Ethyl methacrylate
 Concen: 19.17 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	59.2	47.8	71.8	
39	30.2	23.0	34.4	





#57

1,3-Dichloropropane

Concen: 19.81 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampled :

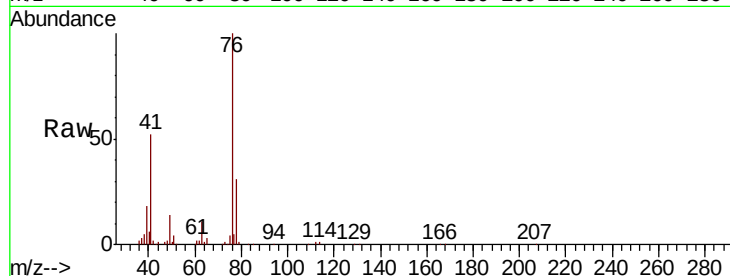
VN0910MBS01

Tot Ion: 76 Resp: 233803

Ion Ratio Lower Upper

76 100

78 31.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

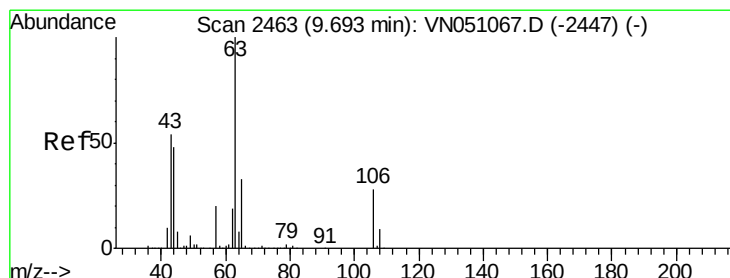
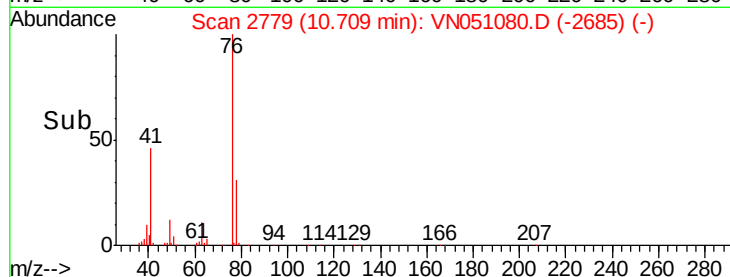
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 95.36 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051080.D

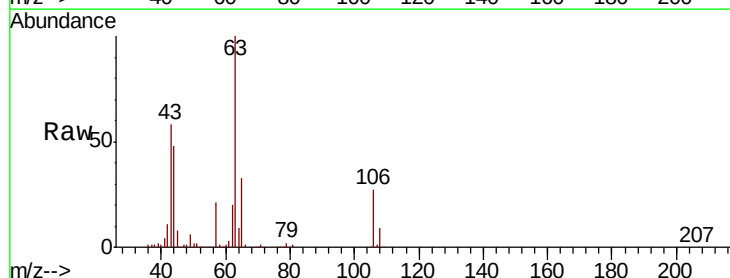
Acq: 10 Sep 2018 16:10

Tgt Ion: 63 Resp: 342645

Ion Ratio Lower Upper

63 100

106 27.9 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

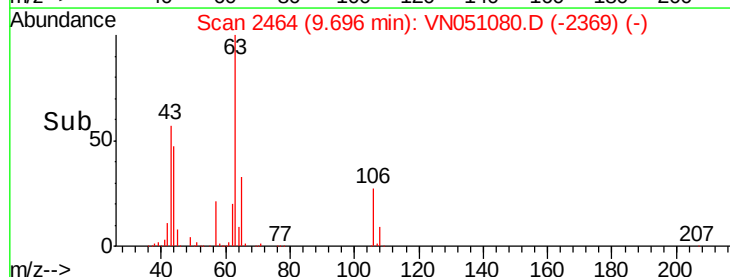
150000

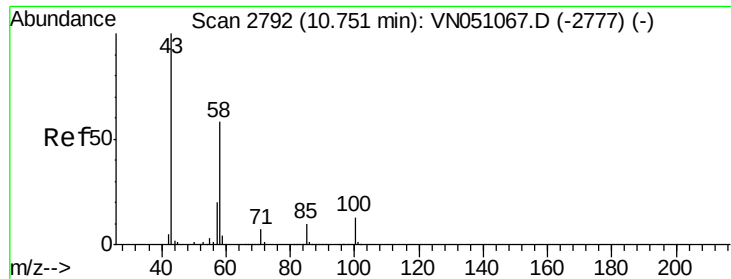
100000

50000

0

Time-->

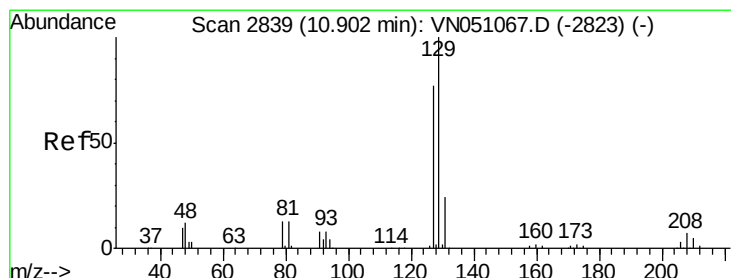
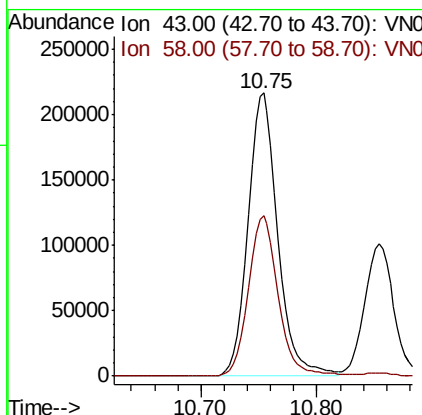
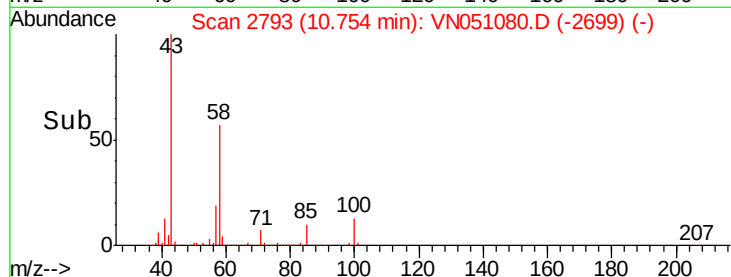
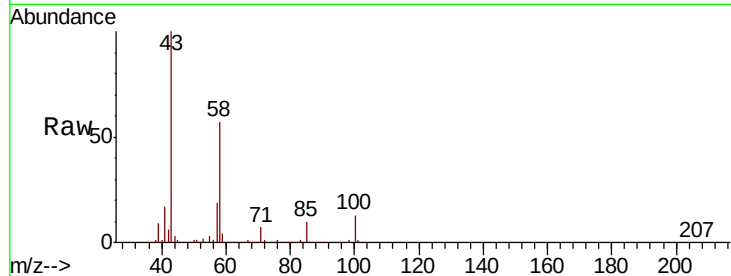




#59
2-Hexanone
Concen: 95.02 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

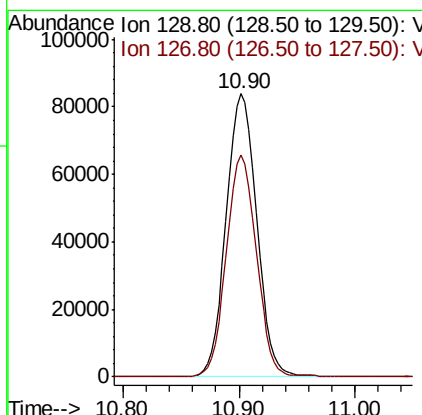
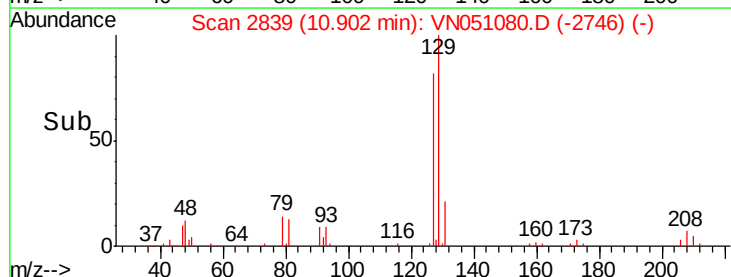
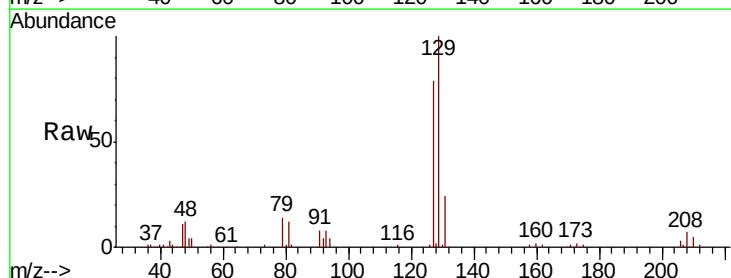
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

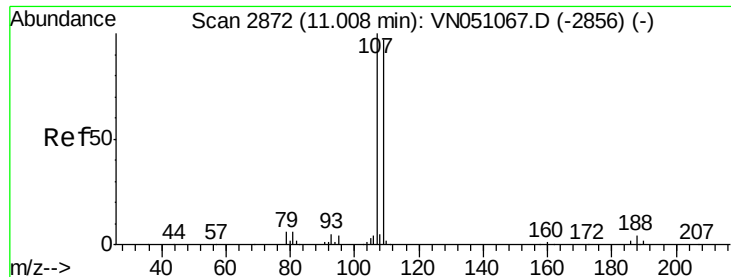
Tot Ion: 43 Resp: 388356
Ion Ratio Lower Upper
43 100
58 56.8 29.3 88.0



#60
Dibromochloromethane
Concen: 19.09 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 129 Resp: 153178
Ion Ratio Lower Upper
129 100
127 77.1 38.5 115.5

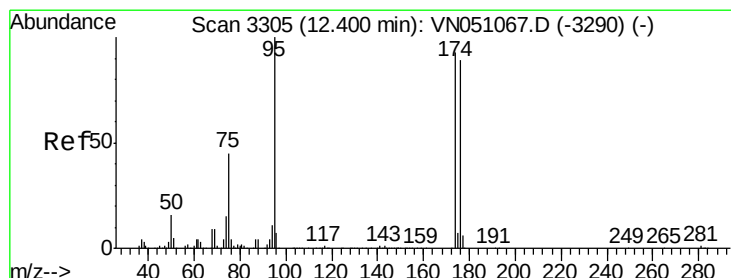
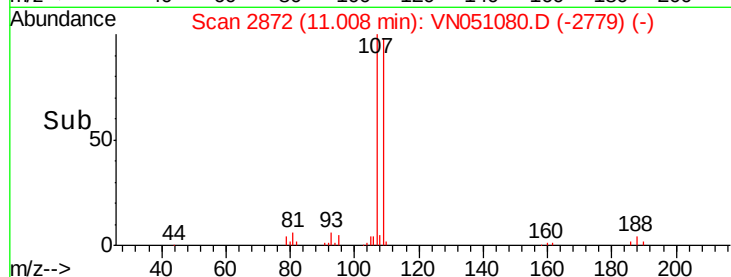
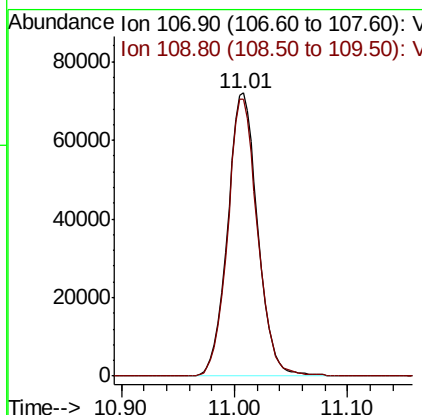
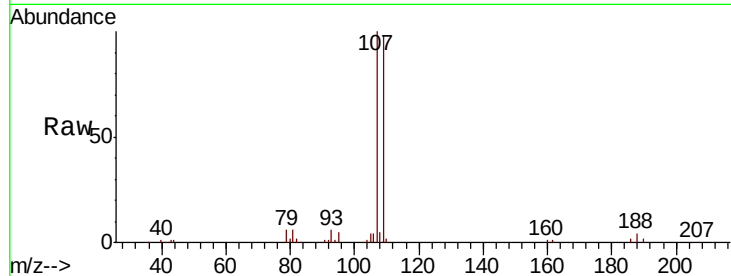




#61
 1,2-Dibromoethane
 Concen: 19.10 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

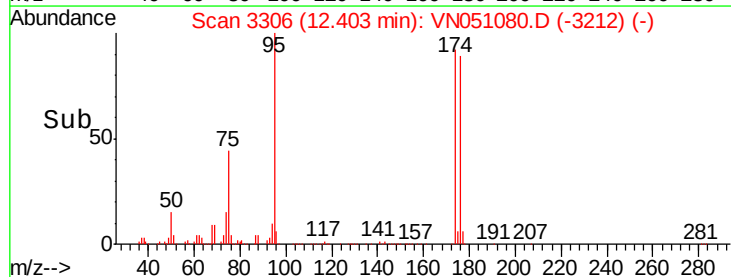
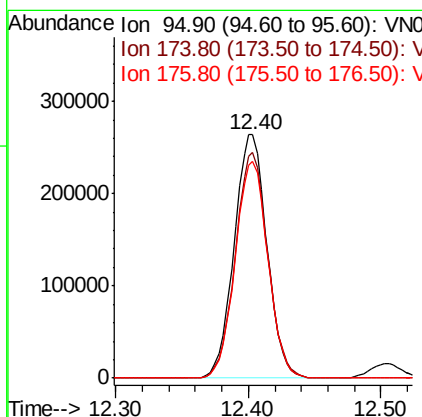
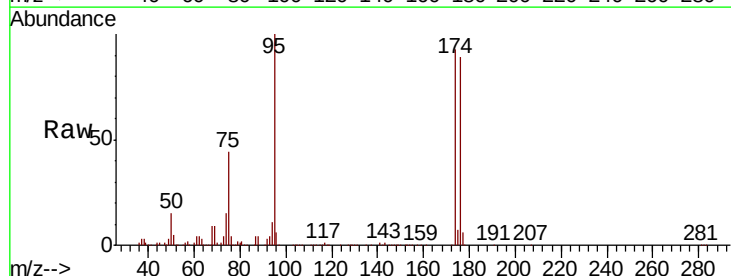
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

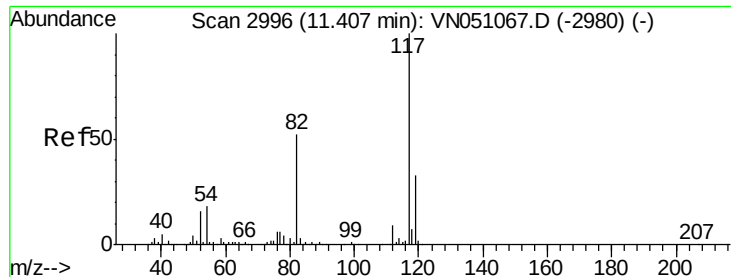
Tot Ion: 107 Resp: 132895
 Ion Ratio Lower Upper
 107 100
 109 97.2 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 49.29 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion: 95 Resp: 451566
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 184.8
 176 89.0 0.0 178.6

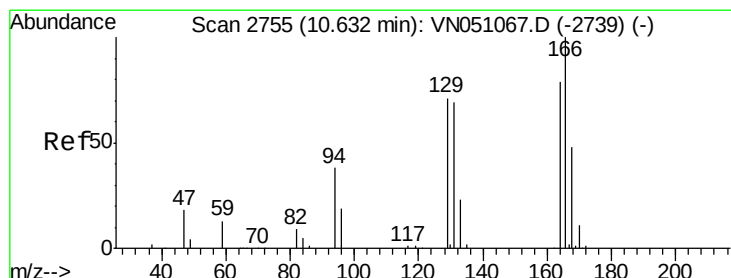
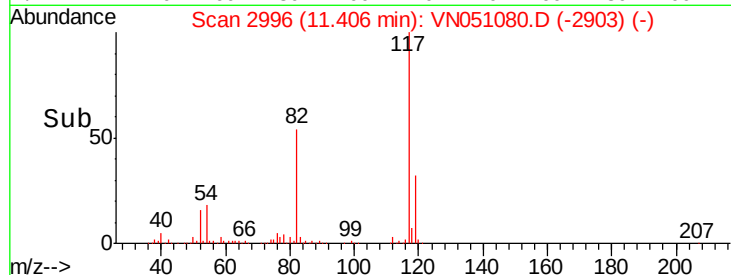
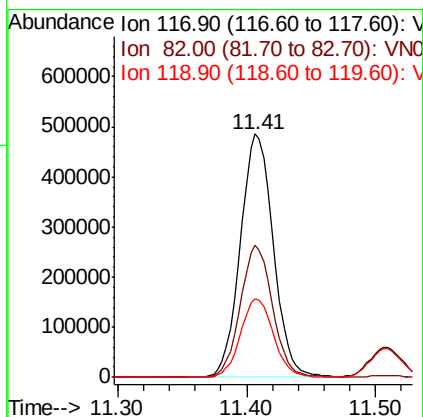
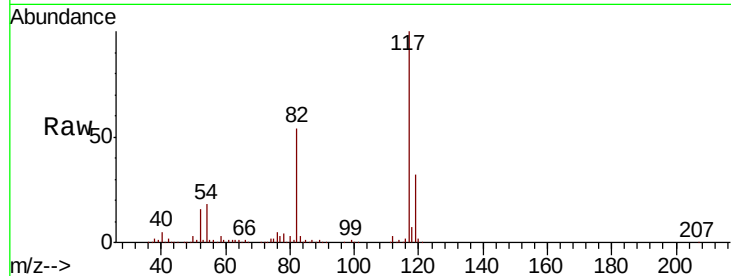




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

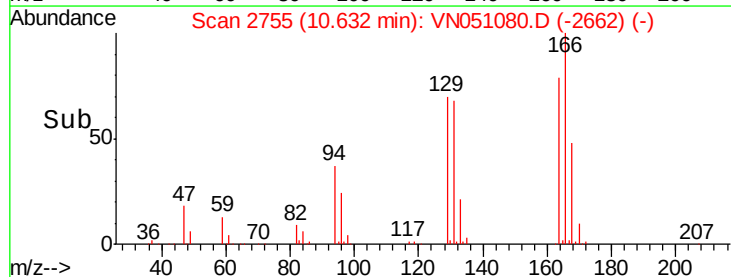
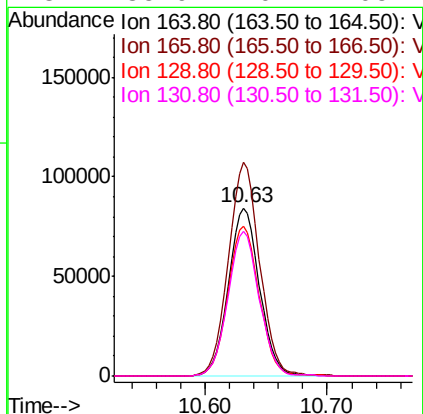
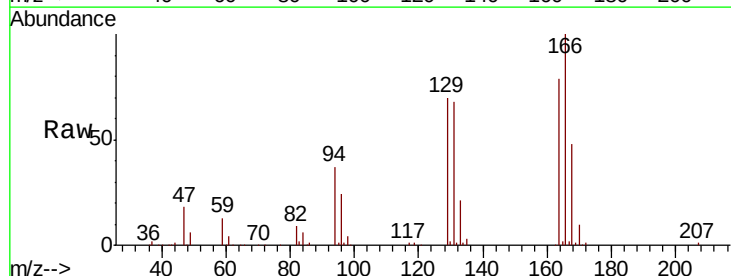
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

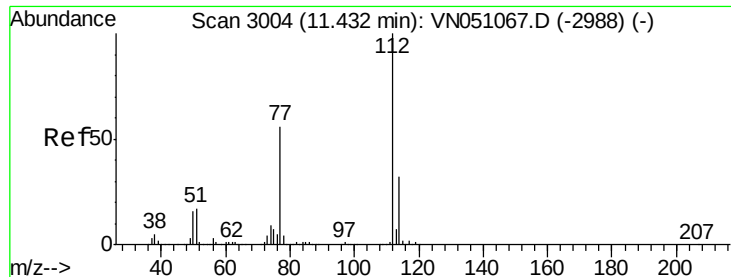
Tot Ion:117 Resp: 865014
Ion Ratio Lower Upper
117 100
82 54.1 41.8 62.6
119 32.2 26.2 39.2



#64
Tetrachloroethene
Concen: 18.98 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion:164 Resp: 149778
Ion Ratio Lower Upper
164 100
166 127.2 101.3 151.9
129 89.4 72.2 108.2
131 85.9 70.2 105.2





#65

Chlorobenzene

Concen: 18.87 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampled :

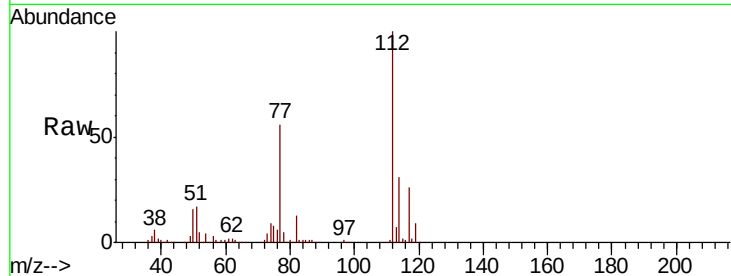
VN0910MBS01

Tot Ion:112 Resp: 411410

Ion Ratio Lower Upper

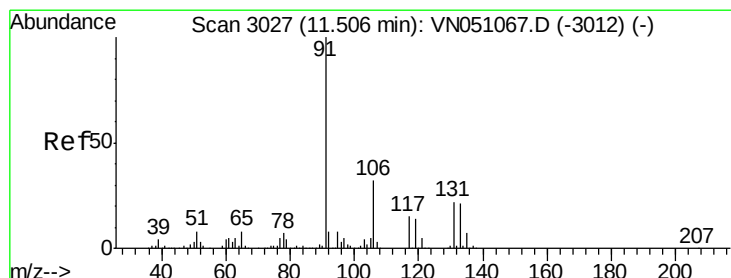
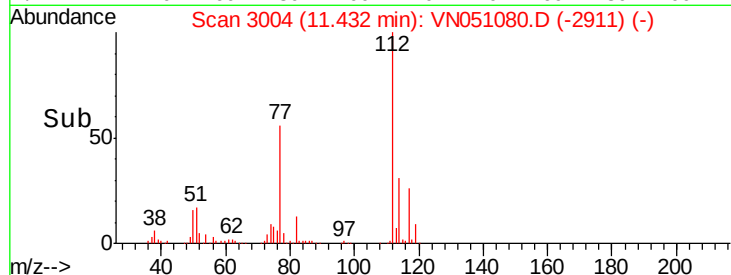
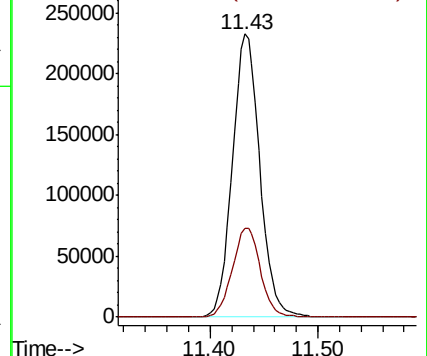
112 100

114 31.3 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.50 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

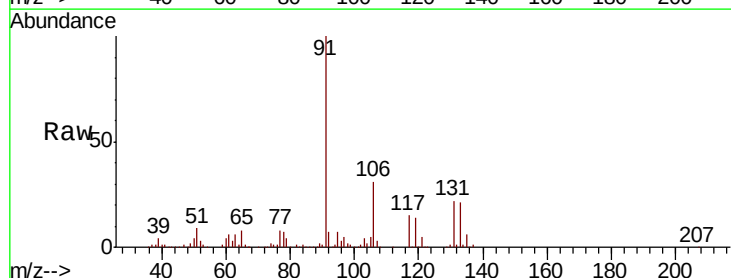
Tgt Ion:131 Resp: 153092

Ion Ratio Lower Upper

131 100

133 95.3 47.5 142.6

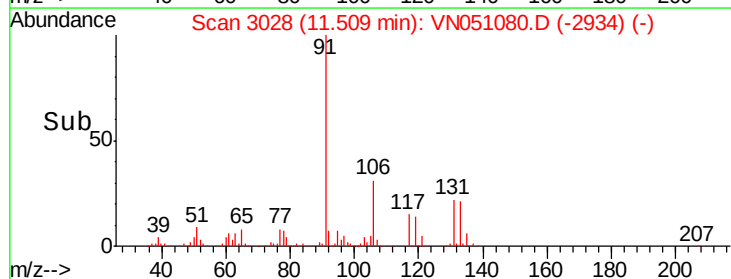
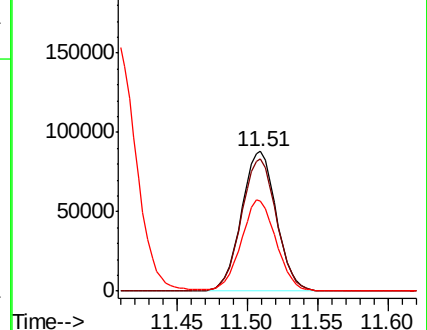
119 65.3 33.2 99.6

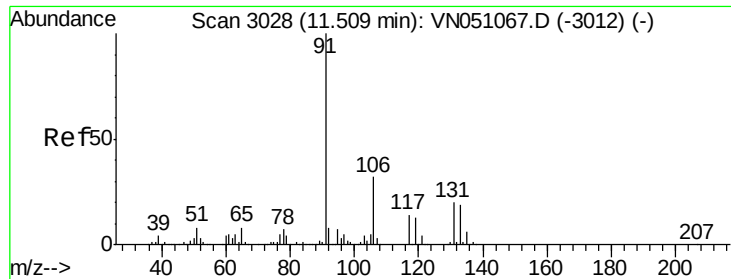


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

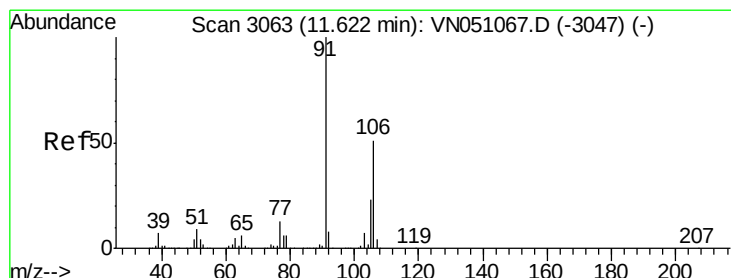
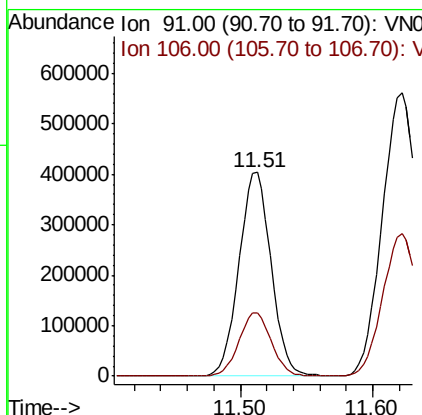
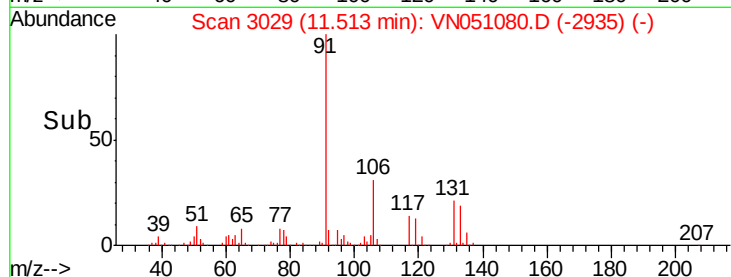
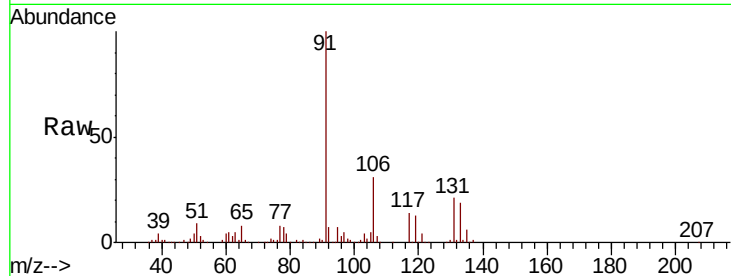




#67
Ethyl Benzene
Concen: 19.30 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

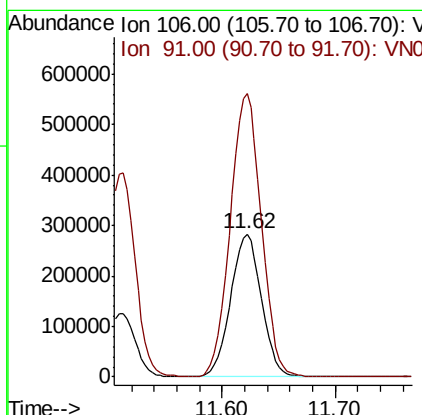
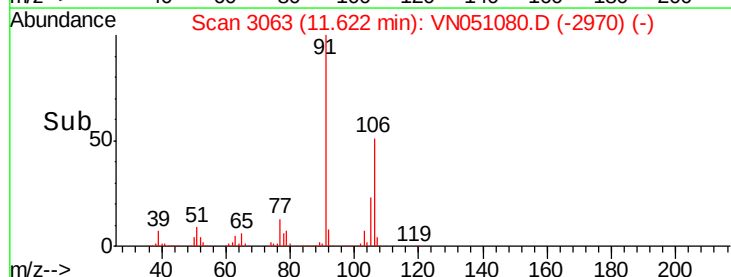
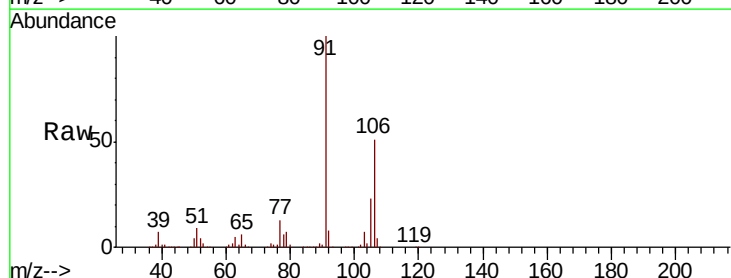
Instrument :
MSVOA_N
ClientSampled :
VN0910MBS01

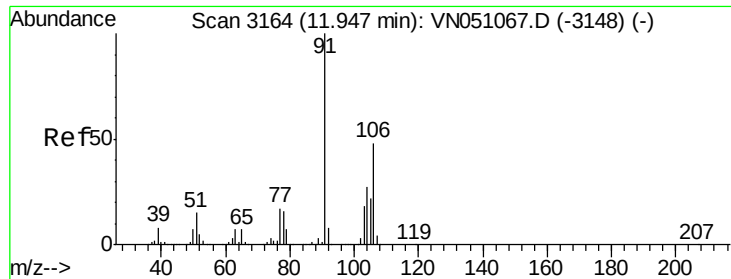
Tot Ion: 91 Resp: 681441
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2



#68
m/p-Xylenes
Concen: 39.46 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 106 Resp: 535397
Ion Ratio Lower Upper
106 100
91 199.8 159.8 239.6

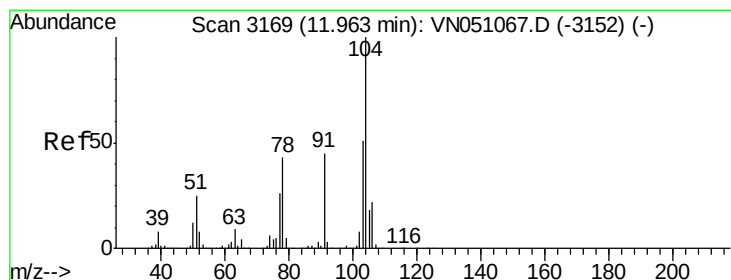
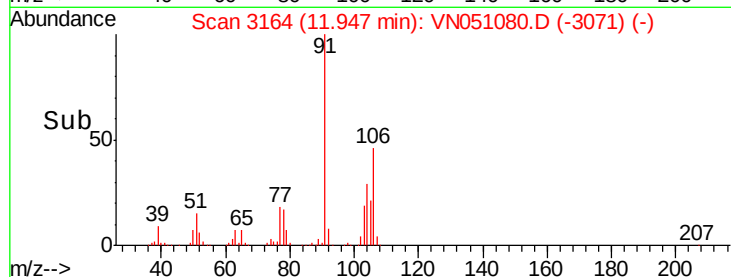
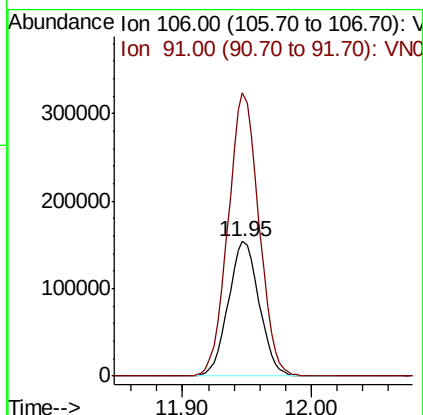
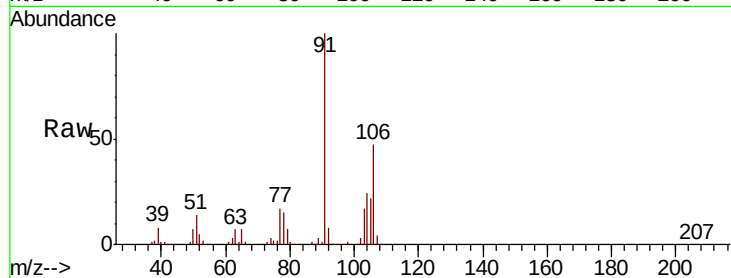




#69
o-Xylene
Concen: 19.56 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

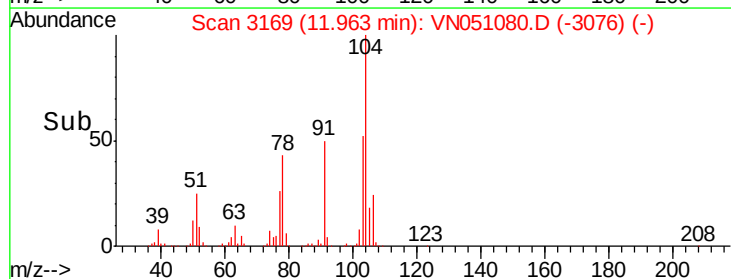
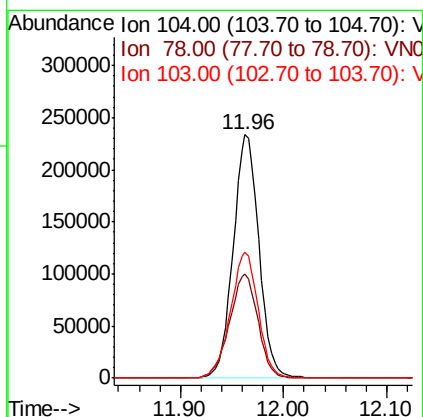
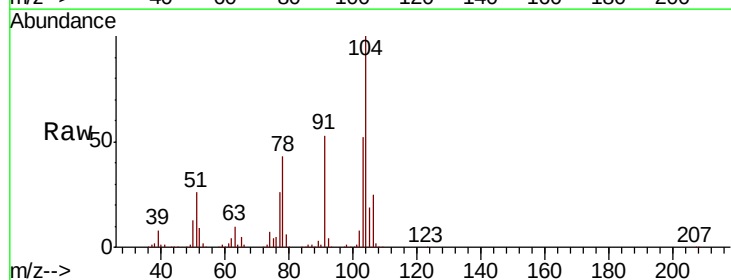
Instrument :
MSVOA_N
ClientSampled :
VN0910MBS01

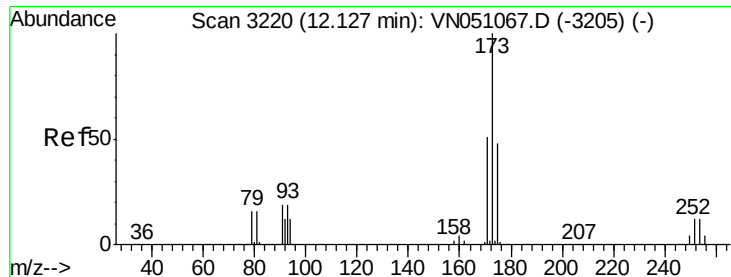
Tot Ion:106 Resp: 256942
Ion Ratio Lower Upper
106 100
91 209.1 105.1 315.1



#70
Styrene
Concen: 19.97 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion:104 Resp: 406909
Ion Ratio Lower Upper
104 100
78 47.2 37.7 56.5
103 55.5 44.6 67.0





#71

Bromoform

Concen: 19.60 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

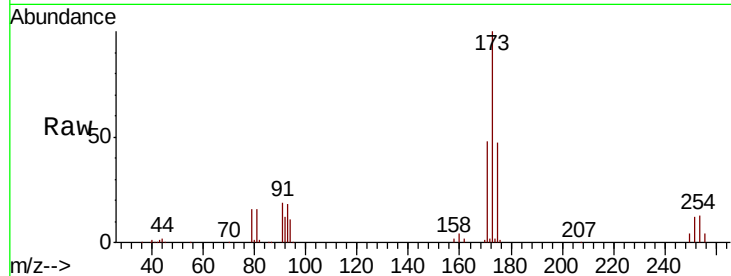
Tot Ion:173 Resp: 108326

Ion Ratio Lower Upper

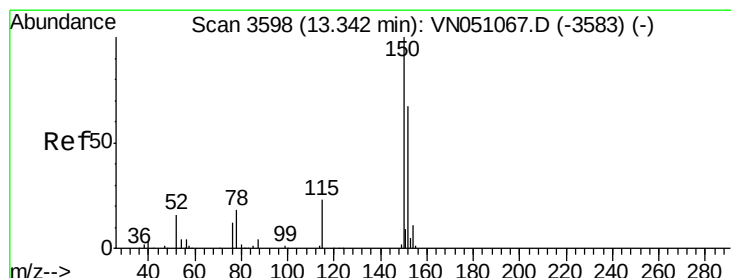
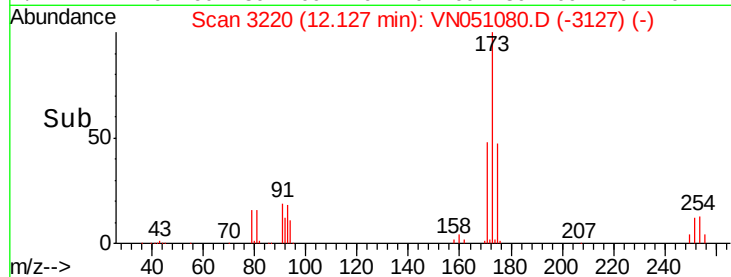
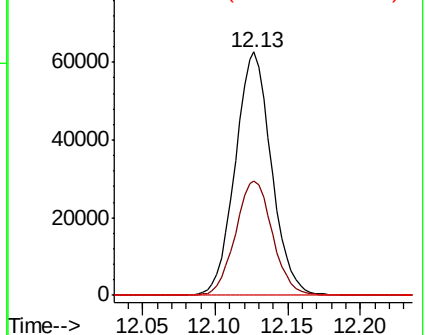
173 100

175 48.1 24.3 72.9

254 0.0 0.0 0.0



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# 3598

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

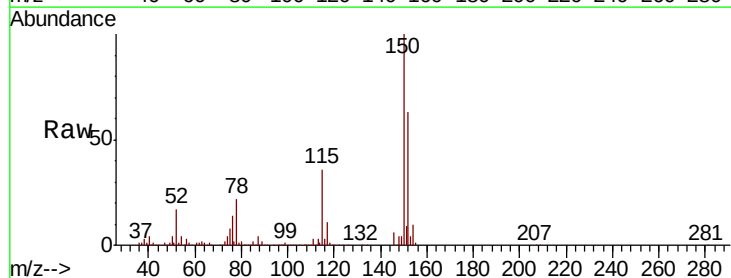
Tgt Ion:152 Resp: 415983

Ion Ratio Lower Upper

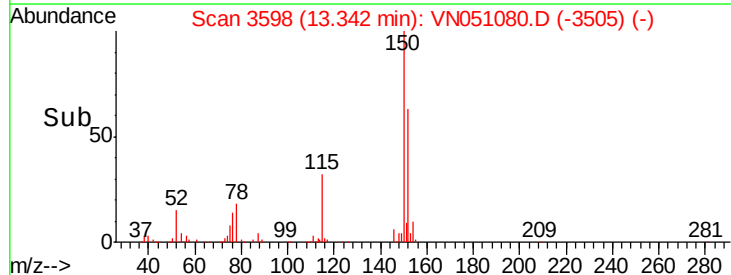
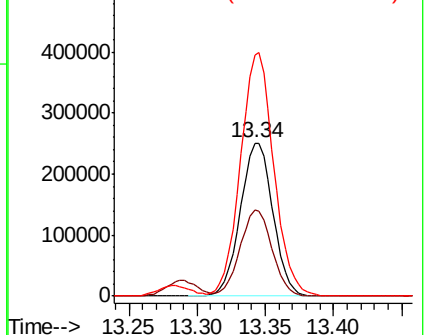
152 100

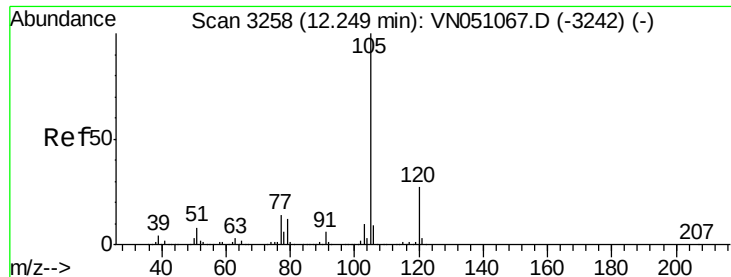
115 55.4 28.2 84.7

150 162.8 0.0 349.0



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: 19.16 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

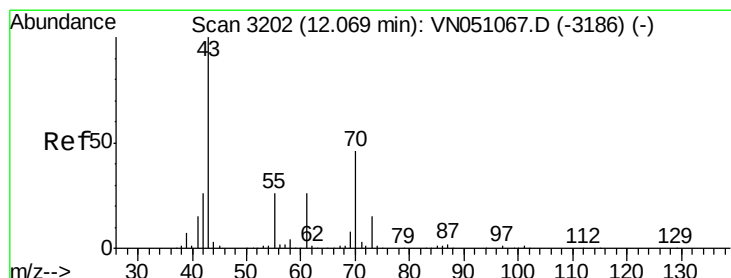
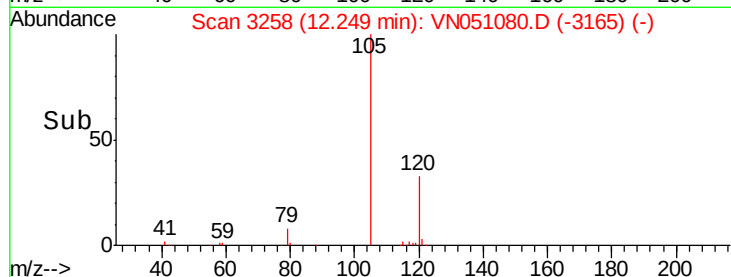
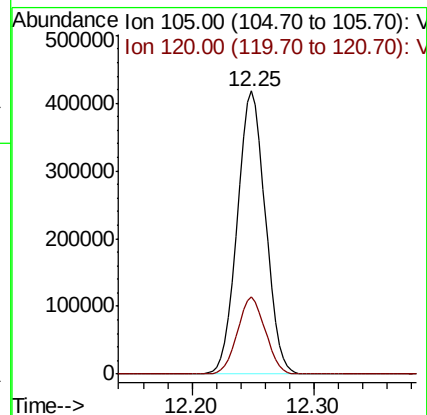
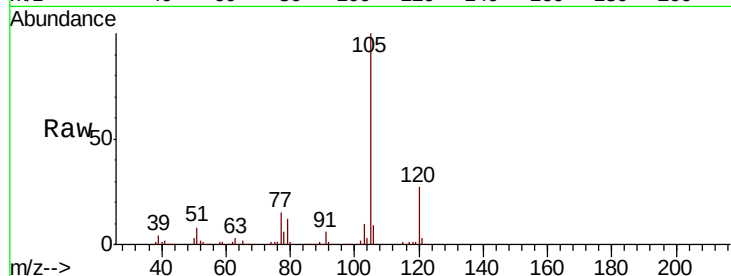
VN0910MBS01

Tot Ion:105 Resp: 668268

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 18.51 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Tgt Ion: 43 Resp: 162483

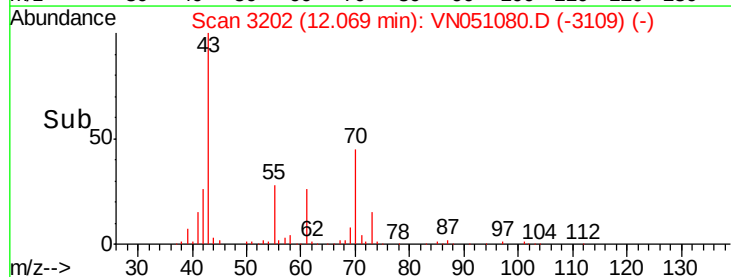
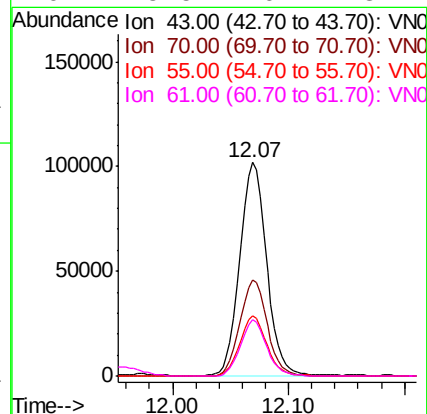
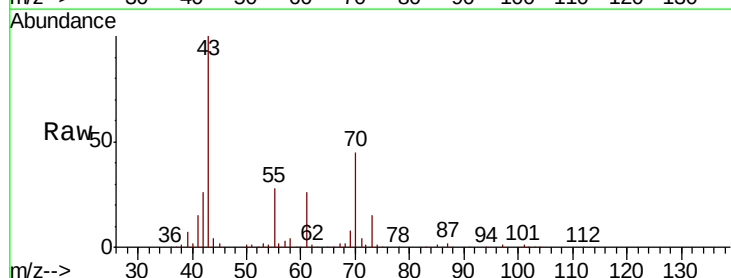
Ion Ratio Lower Upper

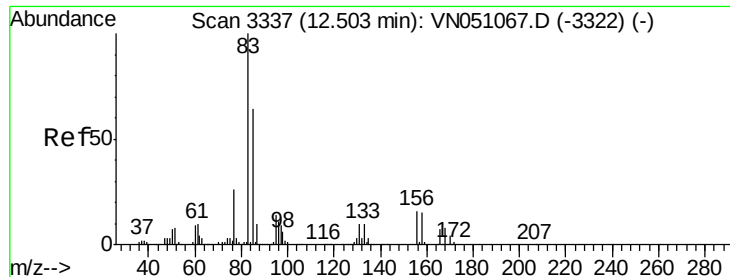
43 100

70 45.9 37.0 55.4

55 28.4 21.3 31.9

61 25.5 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.14 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

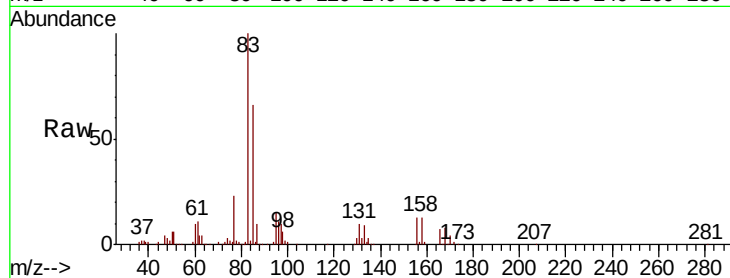
Tot Ion: 83 Resp: 176580

Ion Ratio Lower Upper

83 100

131 10.7 5.3 16.1

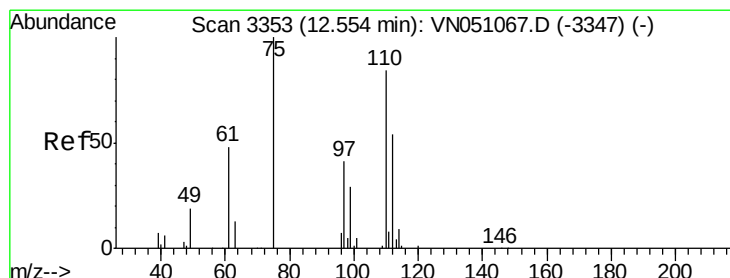
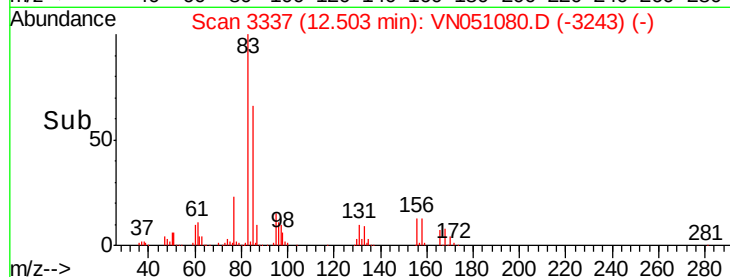
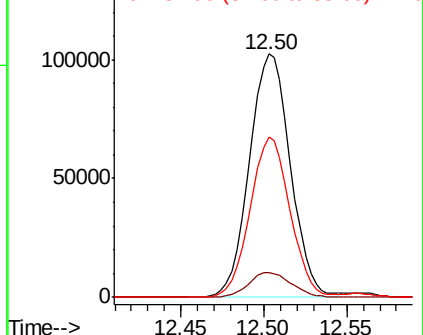
85 64.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.10 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051080.D

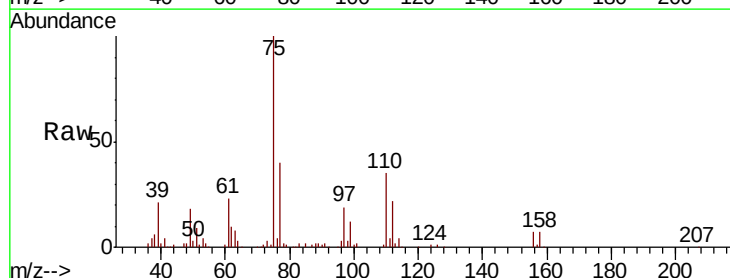
Acq: 10 Sep 2018 16:10

Tgt Ion: 75 Resp: 197951

Ion Ratio Lower Upper

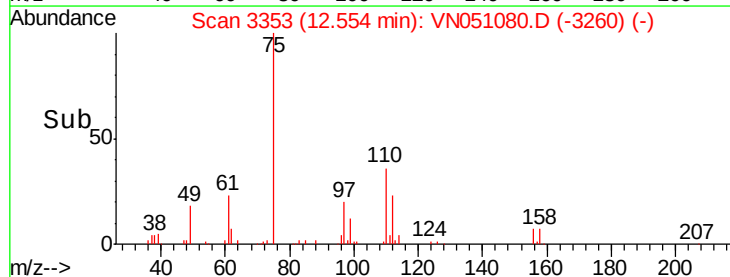
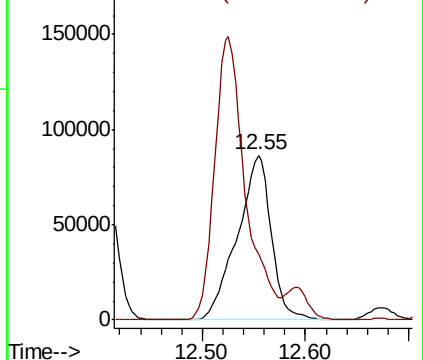
75 100

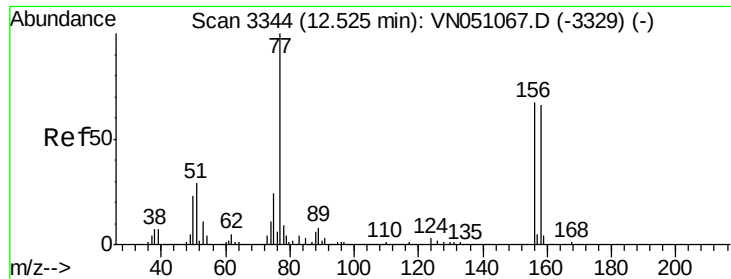
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.57 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS01

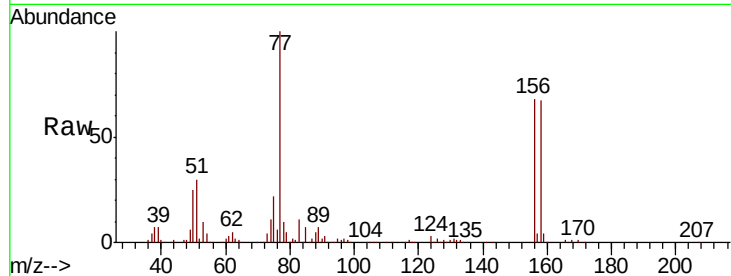
Tot Ion:156 Resp: 173996

Ion Ratio Lower Upper

156 100

77 177.9 87.5 262.6

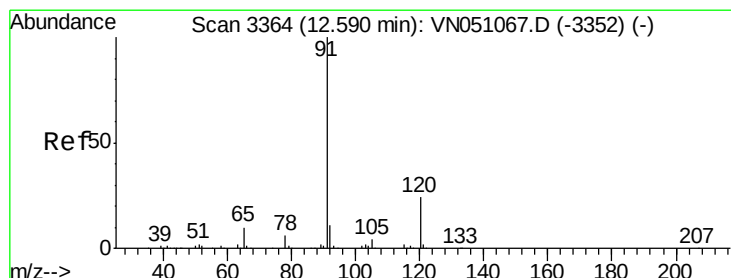
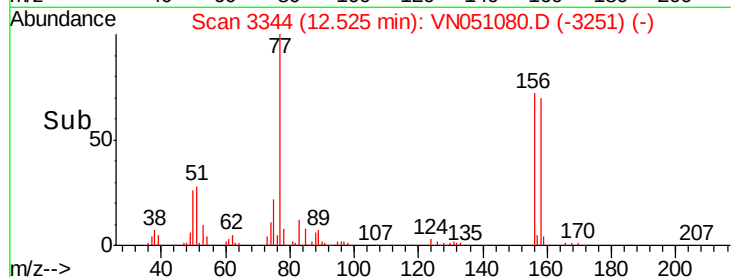
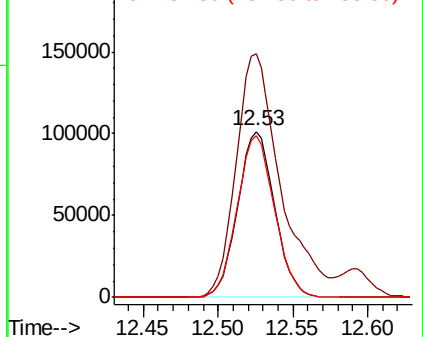
158 98.8 49.0 147.2



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: 19.23 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051080.D

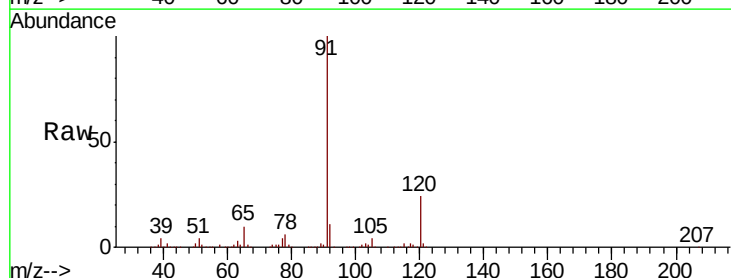
Acq: 10 Sep 2018 16:10

Tgt Ion: 91 Resp: 737374

Ion Ratio Lower Upper

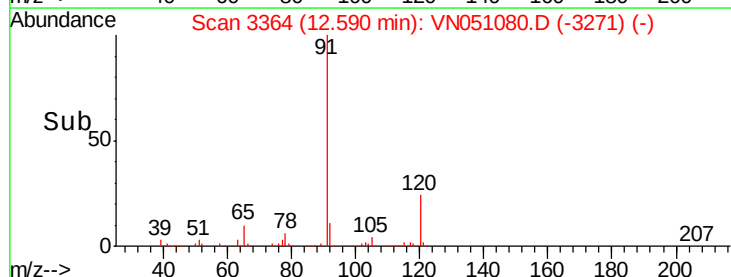
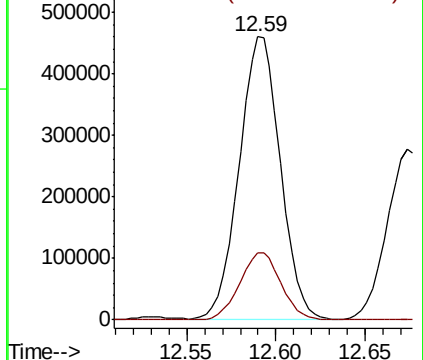
91 100

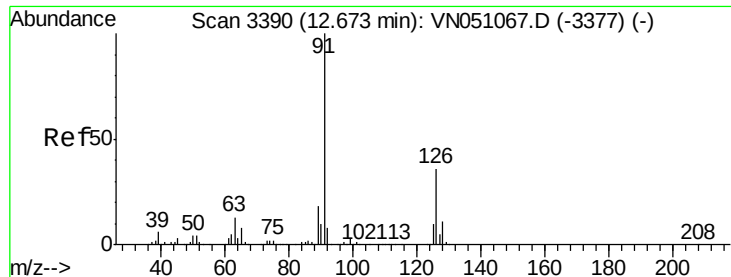
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.26 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

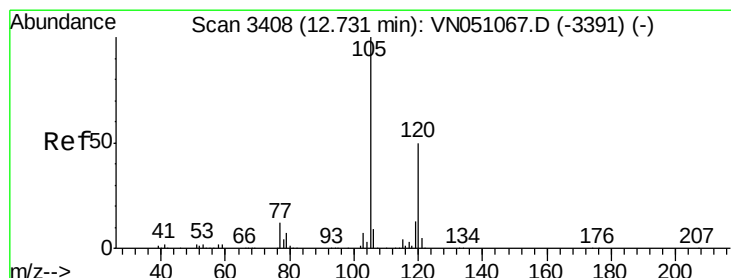
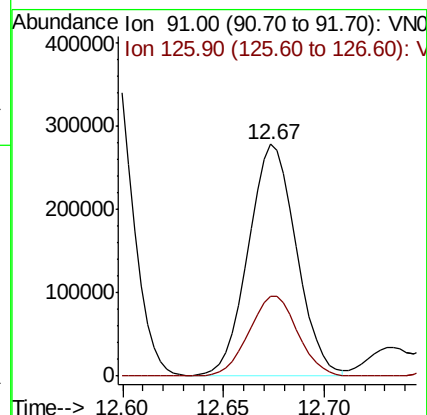
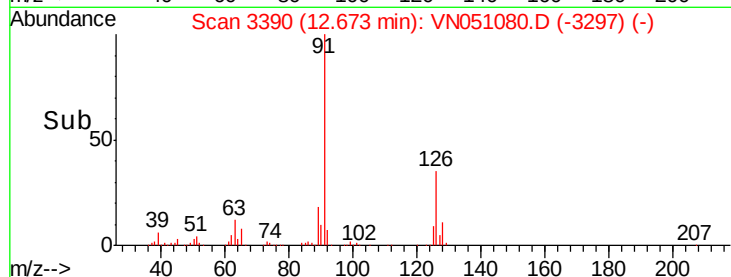
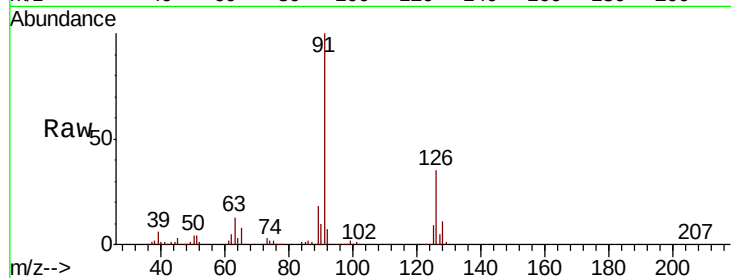
VN0910MBS01

Tot Ion: 91 Resp: 461539

Ion Ratio Lower Upper

91 100

126 35.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 19.43 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051080.D

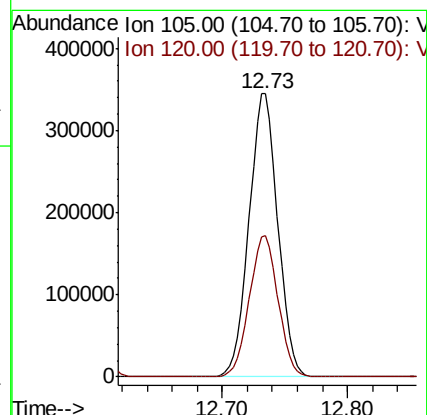
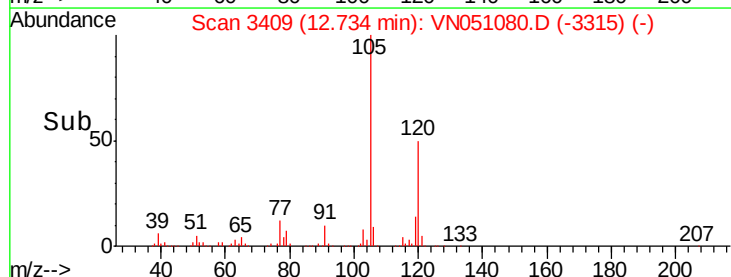
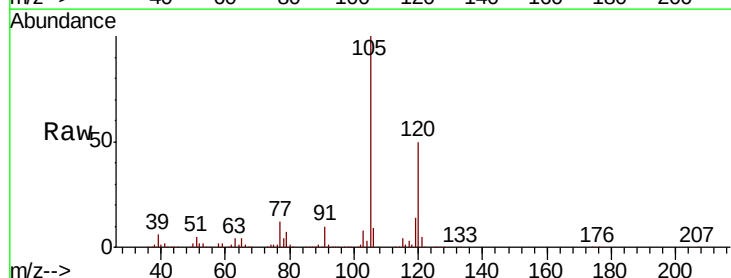
Acq: 10 Sep 2018 16:10

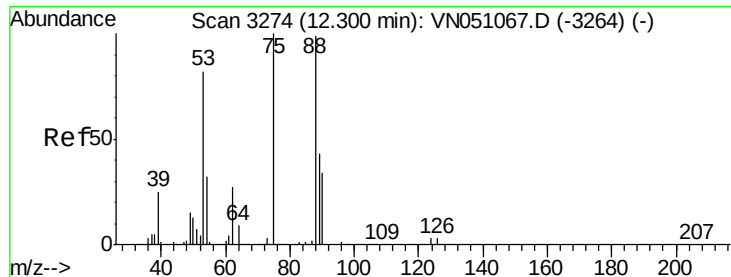
Tgt Ion: 105 Resp: 548022

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.31 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

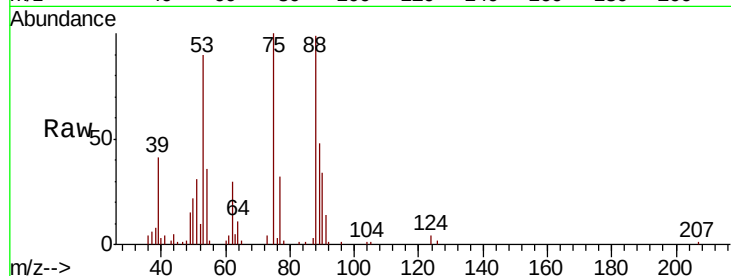
Tot Ion: 75 Resp: 40103

Ion Ratio Lower Upper

75 100

53 89.6 67.8 101.8

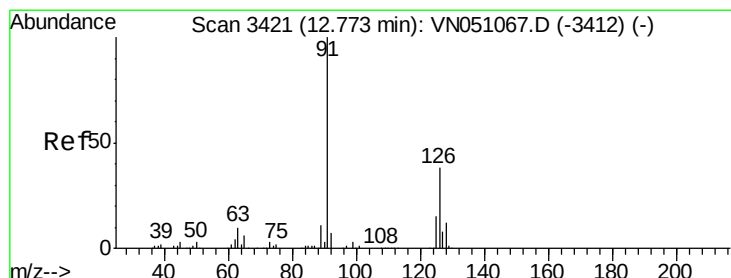
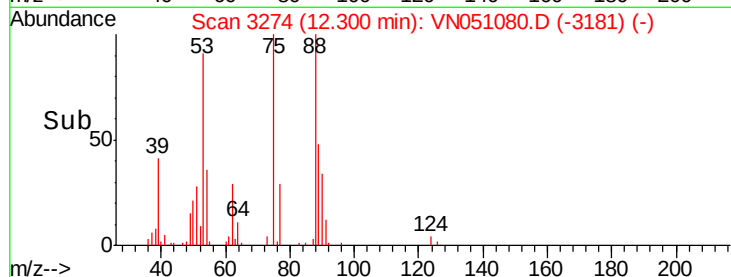
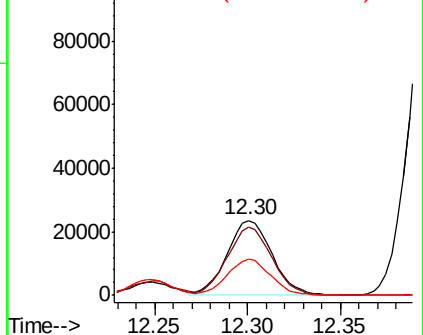
89 46.6 36.0 54.0



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: 18.93 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051080.D

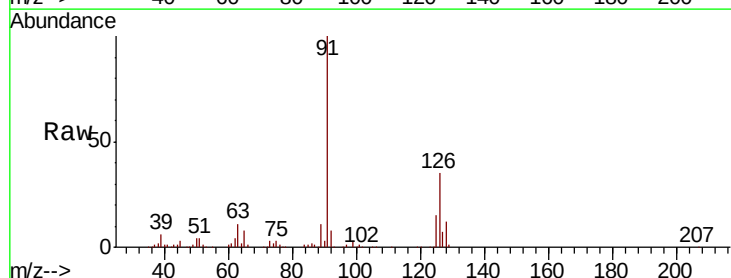
Acq: 10 Sep 2018 16:10

Tgt Ion: 91 Resp: 450241

Ion Ratio Lower Upper

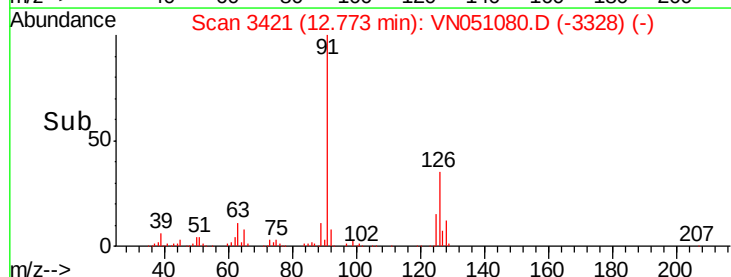
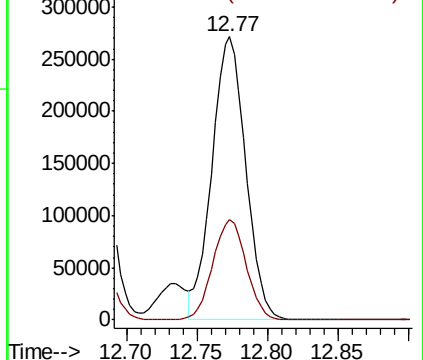
91 100

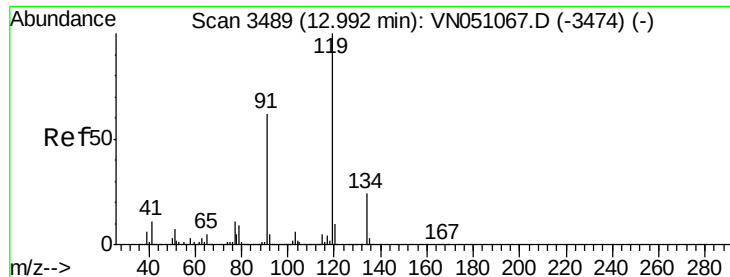
126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

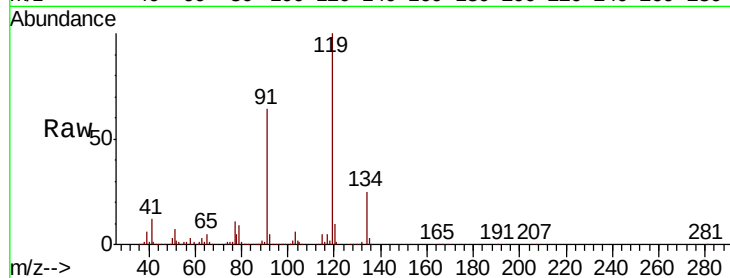




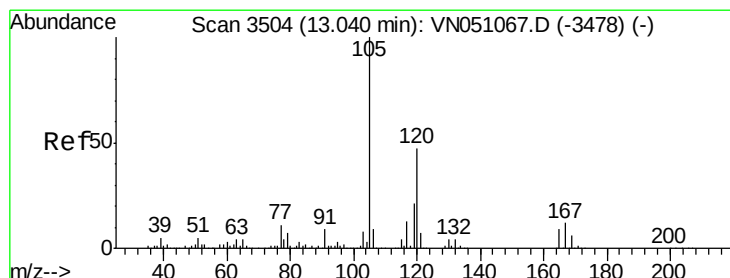
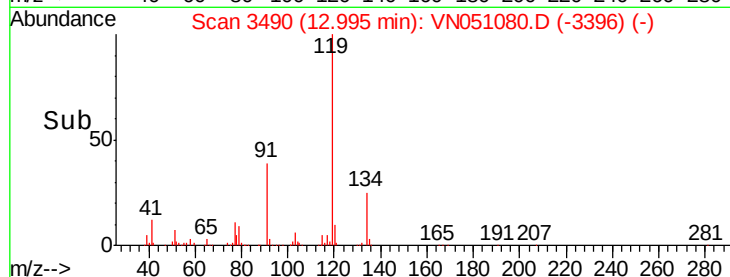
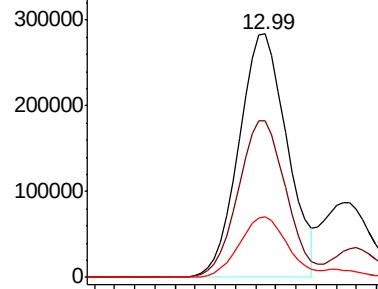
#83
 tert-Butylbenzene
 Concen: 18.97 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910MBS01

Tot Ion:119 Resp: 472257
 Ion Ratio Lower Upper
 119 100
 91 63.6 30.8 92.3
 134 25.0 13.2 39.6

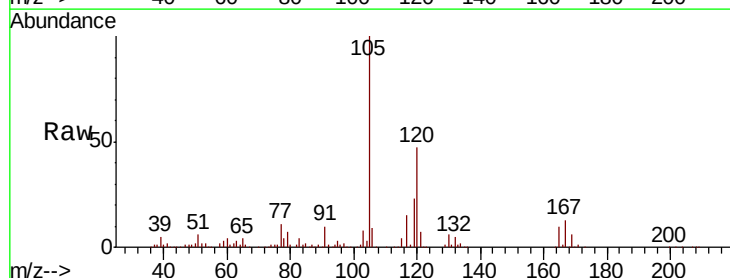


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

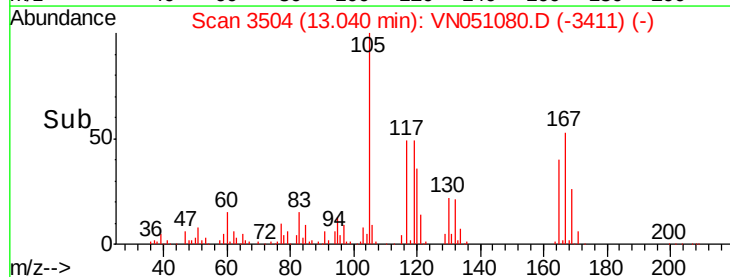
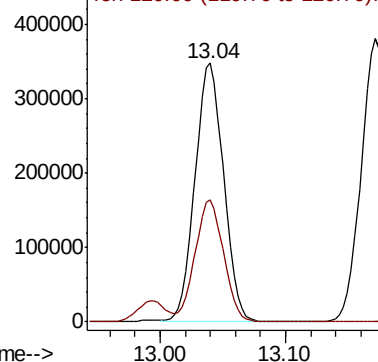


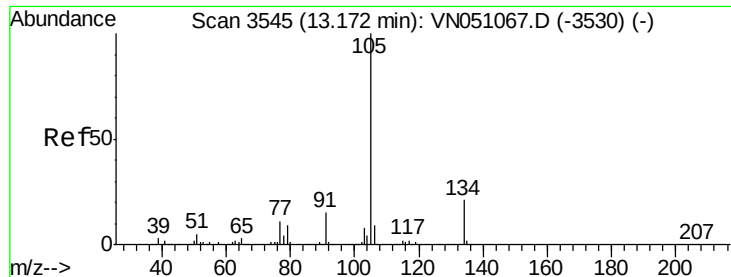
#84
 1,2,4-Trimethylbenzene
 Concen: 19.88 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion:105 Resp: 551297
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.18 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

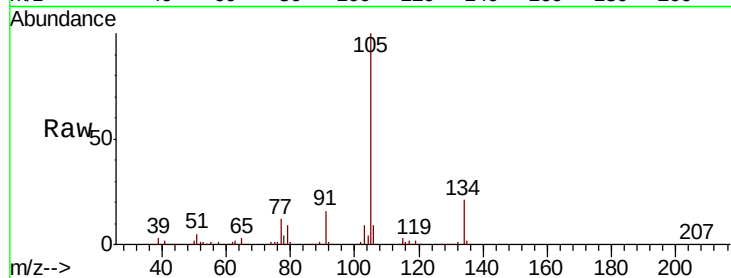
VN0910MBS01

Tot Ion:105 Resp: 612356

Ion Ratio Lower Upper

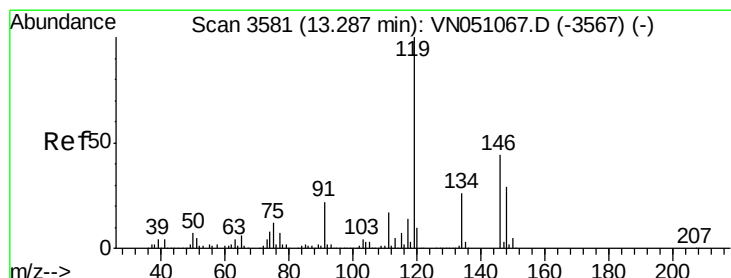
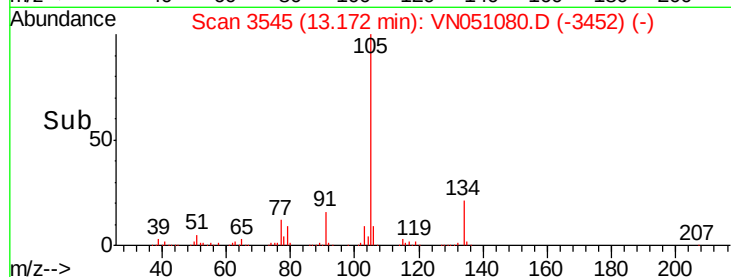
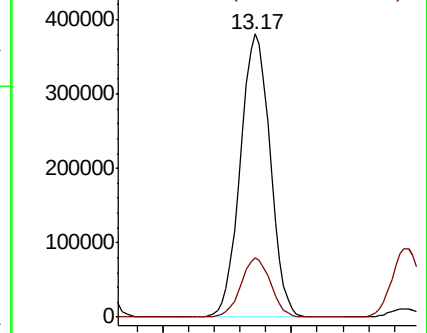
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.50 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

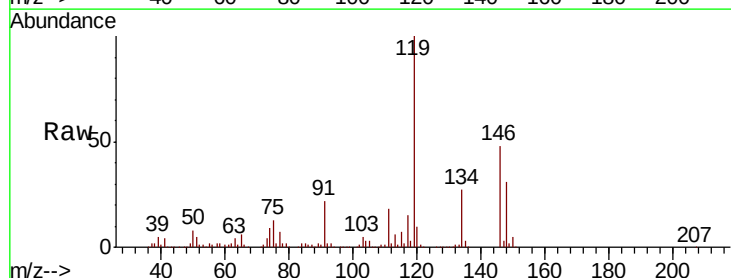
Tgt Ion:119 Resp: 527896

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

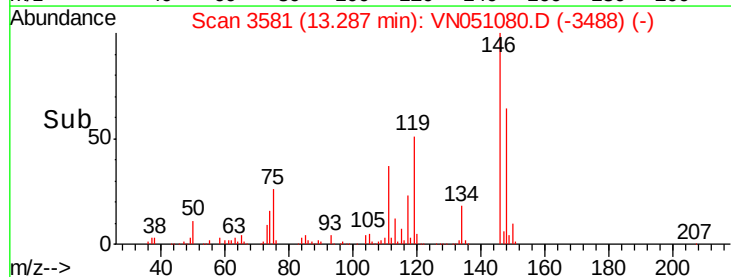
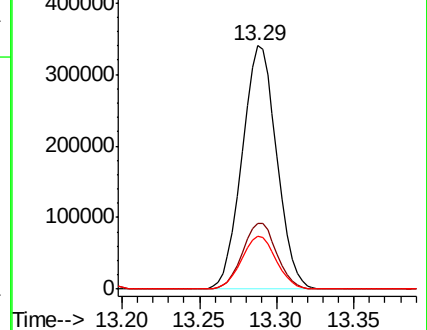
91 21.7 10.9 32.9

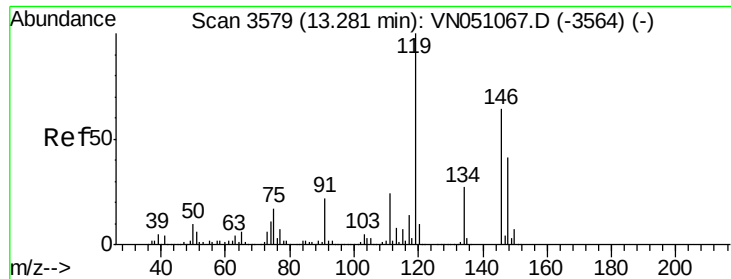


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

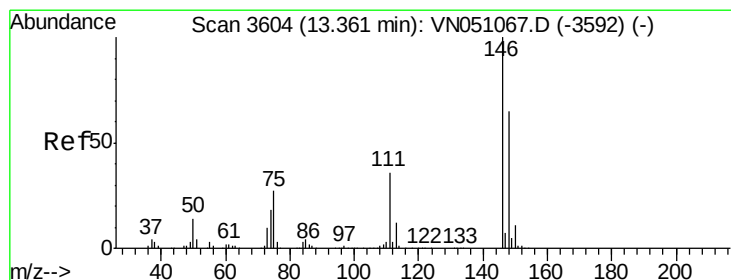
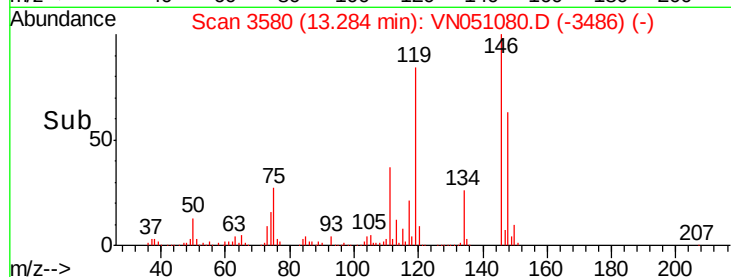
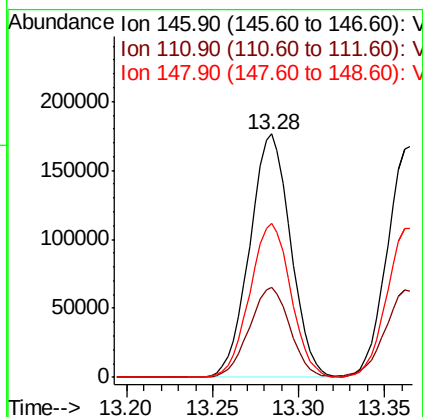
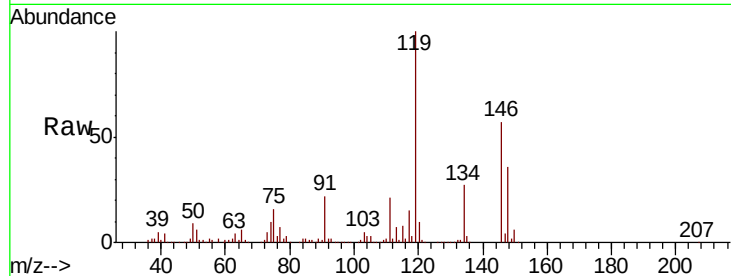




#87
 1,3-Dichlorobenzene
 Concen: 18.31 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

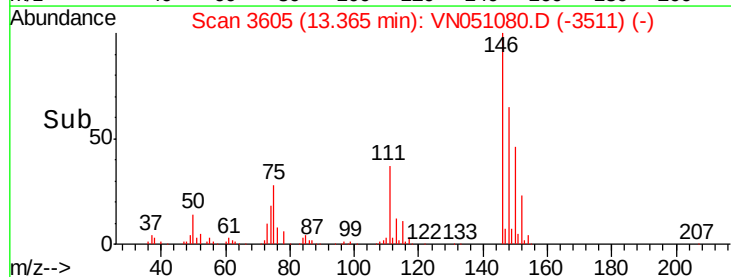
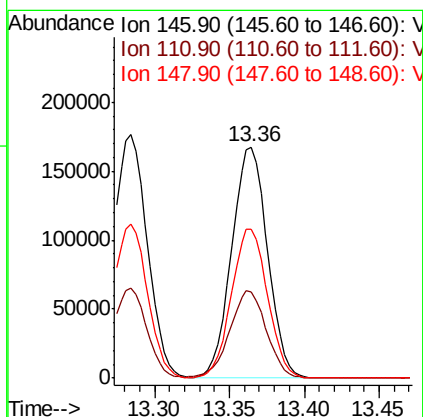
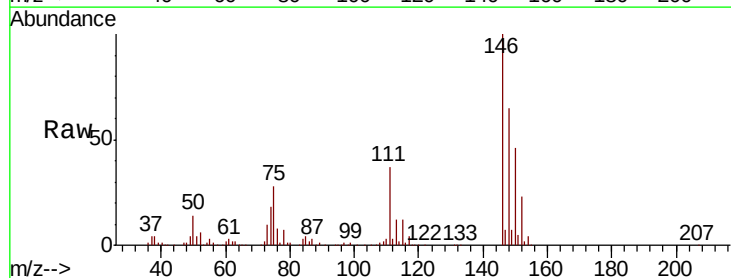
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

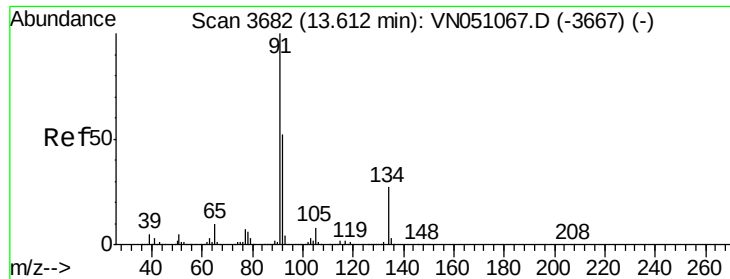
Tot Ion:146 Resp: 291102
 Ion Ratio Lower Upper
 146 100
 111 36.8 19.1 57.1
 148 63.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.15 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion:146 Resp: 279440
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.4 55.0
 148 65.0 32.2 96.6

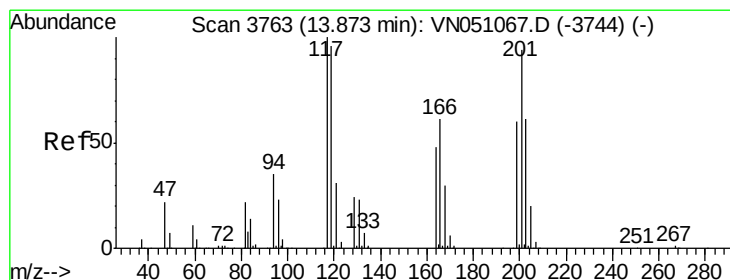
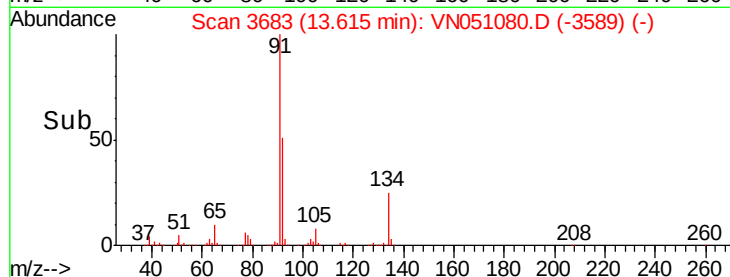
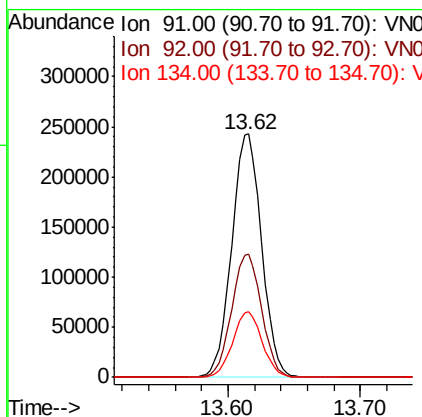
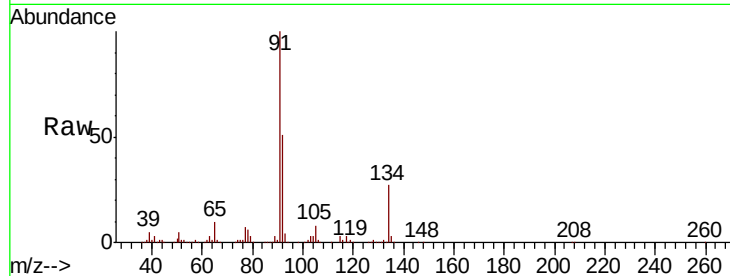




#89
n-Butylbenzene
Concen: 18.04 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

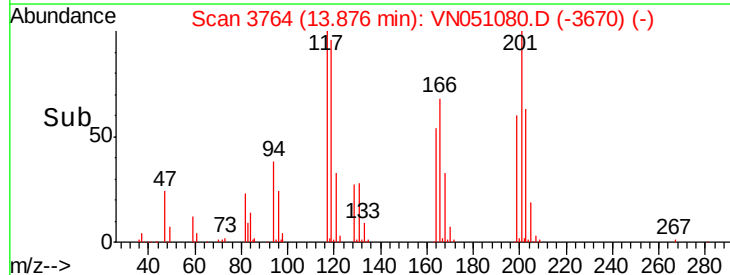
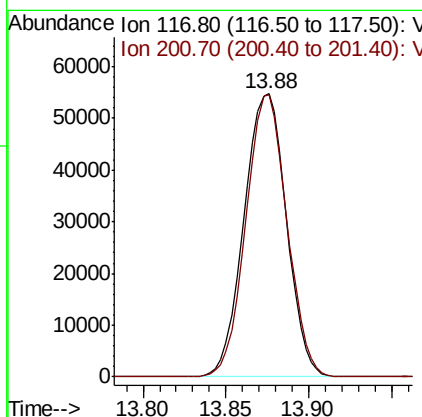
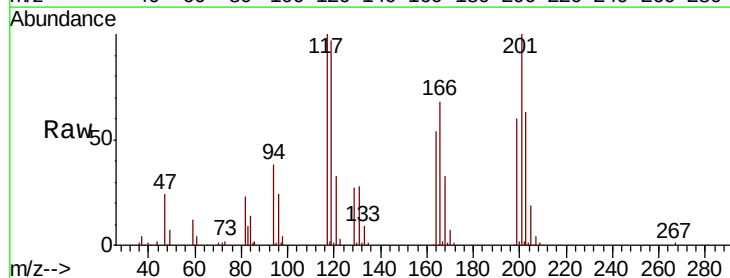
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS01

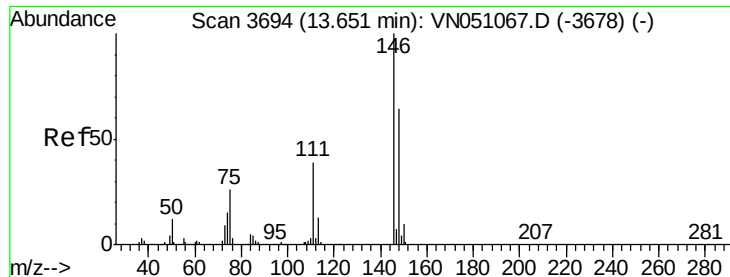
Tot Ion: 91 Resp: 380052
Ion Ratio Lower Upper
91 100
92 50.7 26.2 78.6
134 26.6 13.7 41.1



#90
Hexachloroethane
Concen: 19.36 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051080.D
Acq: 10 Sep 2018 16:10

Tgt Ion: 117 Resp: 97315
Ion Ratio Lower Upper
117 100
201 96.2 47.3 142.0

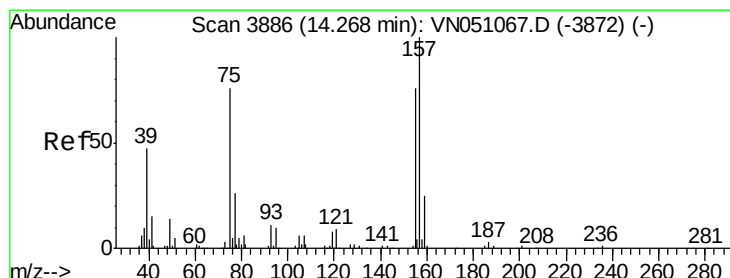
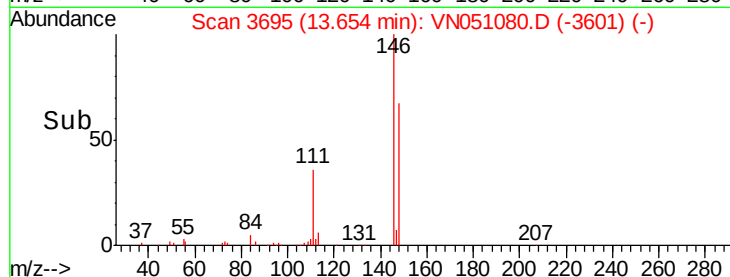
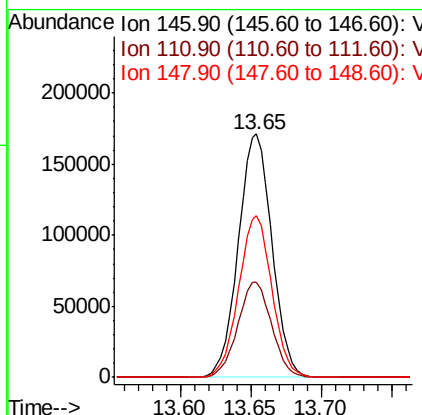
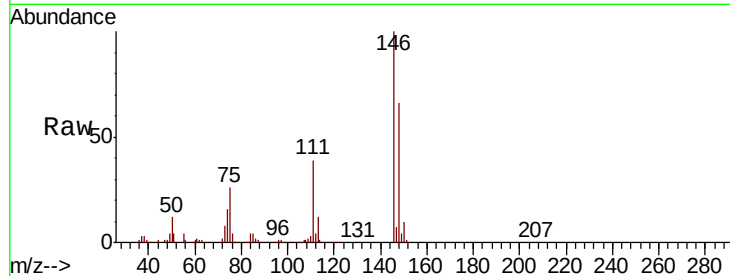




#91
 1,2-Dichlorobenzene
 Concen: 18.51 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

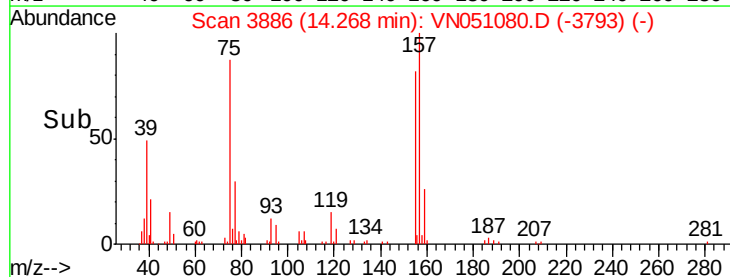
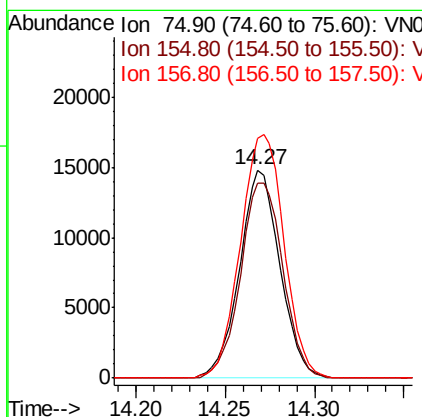
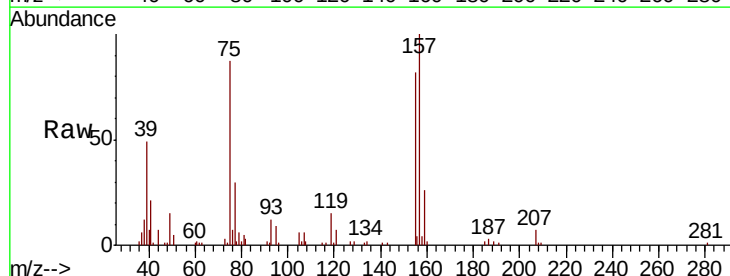
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS01

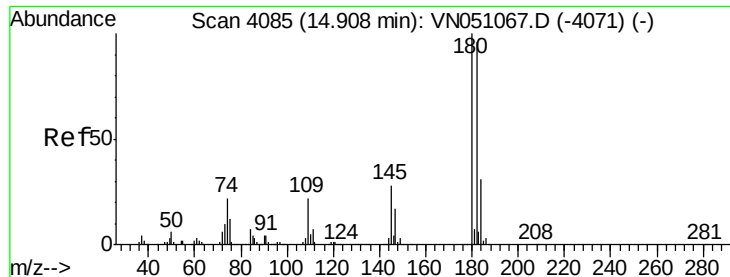
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	65.4	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.05 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051080.D
 Acq: 10 Sep 2018 16:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	48.7	146.1
157	126.2	63.6	190.9





#93

1,2,4-Trichlorobenzene

Concen: 17.66 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

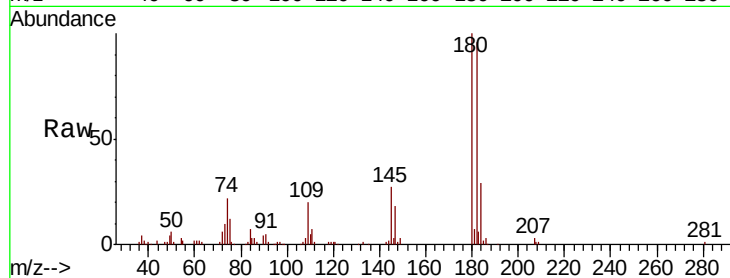
Tot Ion:180 Resp: 111261

Ion Ratio Lower Upper

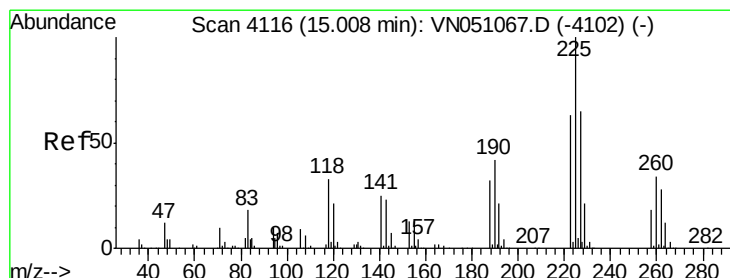
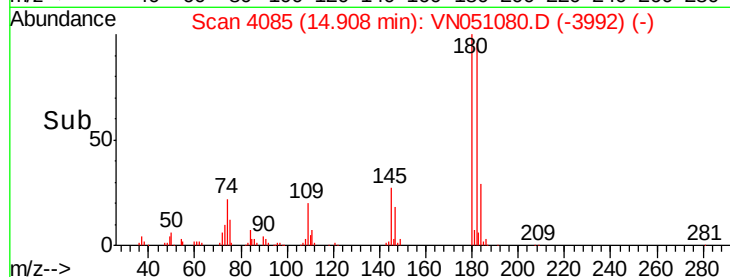
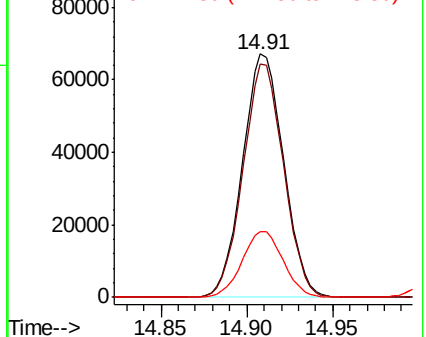
180 100

182 94.5 47.3 141.8

145 27.1 14.2 42.6



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: 18.82 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

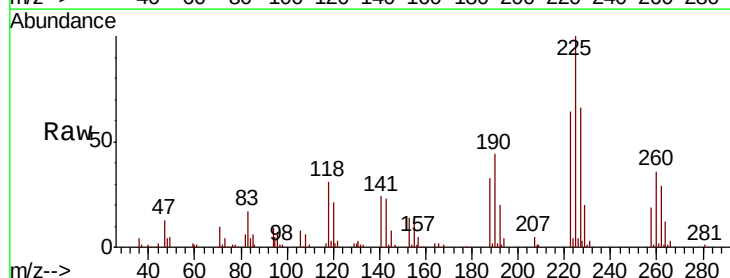
Tgt Ion:225 Resp: 89905

Ion Ratio Lower Upper

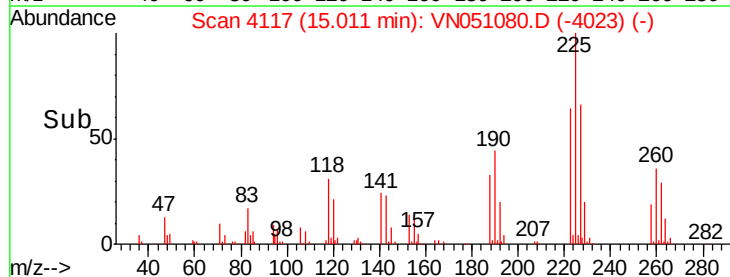
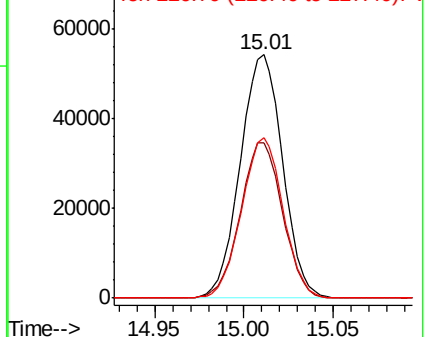
225 100

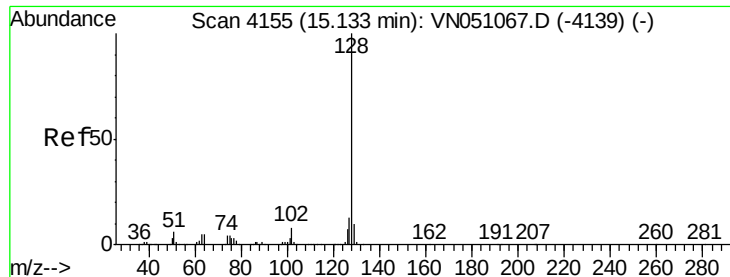
223 63.8 31.4 94.0

227 64.7 32.1 96.3



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: 17.67 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051080.D

Acq: 10 Sep 2018 16:10

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS01

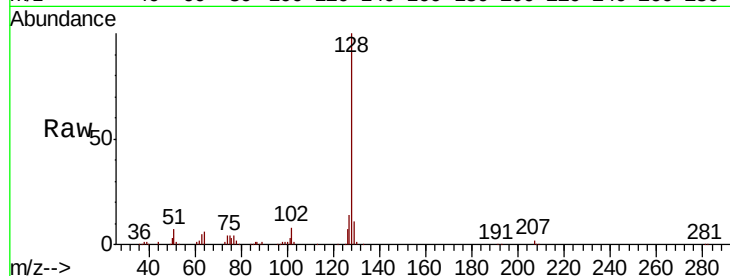
Tot Ion:128 Resp: 215881

Ion Ratio Lower Upper

128 100

127 13.5 10.6 15.8

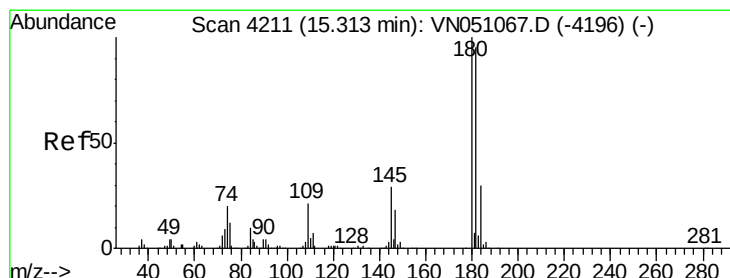
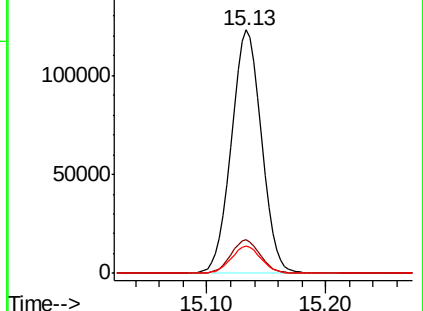
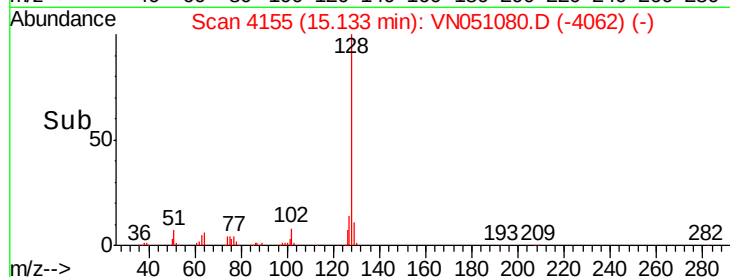
129 11.0 8.6 12.8



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: 18.40 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051080.D

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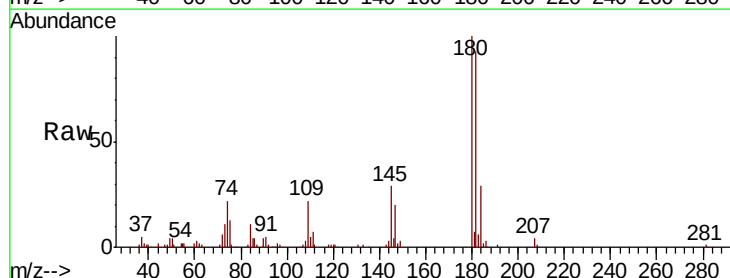
Tgt Ion:180 Resp: 117457

Ion Ratio Lower Upper

180 100

182 94.3 47.8 143.3

145 28.7 14.6 43.8



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

