

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051092.D
 Acq On : 10 Sep 2018 21:54
 Operator : MD\SY
 Sample : VN0910MBS02
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Quant Time: Sep 11 04:33:50 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	661401	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	950392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	854167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	393971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	374495	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.59	113	362887	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.09	98	1360860	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	426276	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119970	18.81	ug/l	96
3) Chloromethane	2.06	50	165893	19.81	ug/l	100
4) Vinyl Chloride	2.18	62	169968	19.41	ug/l	99
5) Bromomethane	2.57	94	102772	20.22	ug/l	99
6) Chloroethane	2.70	64	102600	18.99	ug/l	97
7) Trichlorofluoromethane	3.01	101	224912	19.39	ug/l	99
8) Diethyl Ether	3.41	74	79874	18.72	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141120	18.87	ug/l	99
10) Methyl Iodide	3.95	142	116431	20.40	ug/l	100
11) Tert butyl alcohol	4.79	59	53242	94.70	ug/l	97
12) 1,1-Dichloroethene	3.74	96	130526	18.50	ug/l	98
13) Acrolein	3.61	56	62075	105.96	ug/l	100
14) Allyl chloride	4.32	41	196076	18.24	ug/l	99
15) Acrylonitrile	4.99	53	245054	98.37	ug/l	99
16) Acetone	3.82	43	158760	83.34	ug/l	99
17) Carbon Disulfide	4.05	76	387077	18.69	ug/l	98
18) Methyl Acetate	4.33	43	107429	18.23	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	359972	19.30	ug/l	99
20) Methylene Chloride	4.55	84	151917	18.68	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	140410	18.35	ug/l	98
22) Diisopropyl ether	5.95	45	430457	20.17	ug/l	98
23) Vinyl Acetate	5.90	43	1402215	97.11	ug/l	99
24) 1,1-Dichloroethane	5.85	63	262712	19.41	ug/l	99
25) 2-Butanone	6.84	43	256881	88.77	ug/l	98
26) 2,2-Dichloropropane	6.83	77	187172	16.89	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160457	19.11	ug/l	98
28) Bromochloromethane	7.20	49	113303	18.80	ug/l	100
29) Tetrahydrofuran	7.22	42	179736	99.46	ug/l	100
30) Chloroform	7.37	83	263536	19.57	ug/l	100
31) Cyclohexane	7.65	56	234818	19.31	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	221955	19.34	ug/l	99
36) 1,1-Dichloropropene	7.79	75	195883	18.77	ug/l	99
37) Ethyl Acetate	6.93	43	120386	19.92	ug/l	99
38) Carbon Tetrachloride	7.78	117	196796	19.16	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	211744	18.39	ug/l	96
40) Benzene	8.04	78	613339	19.51	ug/l	100
41) Methacrylonitrile	7.18	41	62041	19.90	ug/l	92
42) 1,2-Dichloroethane	8.13	62	180364	19.68	ug/l	99
43) Isopropyl Acetate	8.17	43	210602	19.75	ug/l	100
44) Trichloroethene	8.84	130	162324	18.87	ug/l	98
45) 1,2-Dichloropropane	9.12	63	158105	19.46	ug/l	97
46) Dibromomethane	9.21	93	94478	19.06	ug/l	99
47) Bromodichloromethane	9.40	83	195462	19.39	ug/l	98
48) Methyl methacrylate	9.20	41	100274	19.30	ug/l	100
49) 1,4-Dioxane	9.20	88	32515	399.03	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	597236	101.28	ug/l	99
52) Toluene	10.16	92	377335	19.68	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	184685	18.31	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	220886	18.67	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	138834	19.93	ug/l	99
56) Ethyl methacrylate	10.43	69	164463	19.19	ug/l	99
57) 1,3-Dichloropropane	10.71	76	228914	19.83	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	331440	94.45	ug/l	99
59) 2-Hexanone	10.75	43	374804	93.72	ug/l	98
60) Dibromochloromethane	10.90	129	152523	19.43	ug/l	99
61) 1,2-Dibromoethane	11.01	107	132052	19.40	ug/l	100
64) Tetrachloroethene	10.63	164	149417	19.17	ug/l	98
65) Chlorobenzene	11.43	112	407206	18.91	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	150579	19.42	ug/l	99
67) Ethyl Benzene	11.51	91	671478	19.26	ug/l	99
68) m/p-Xylenes	11.62	106	527121	39.35	ug/l	99
69) o-Xylene	11.95	106	252707	19.48	ug/l	98
70) Styrene	11.96	104	401019	19.93	ug/l	100
71) Bromoform	12.13	173	106269	19.47	ug/l #	99
73) Isopropylbenzene	12.25	105	667938	20.22	ug/l	99
74) N-amyl acetate	12.07	43	156173	18.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	172295	21.83	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	192306	30.92	ug/l #	100
77) Bromobenzene	12.53	156	170472	19.21	ug/l	99
78) n-propylbenzene	12.59	91	720275	19.83	ug/l	99
79) 2-Chlorotoluene	12.67	91	438551	19.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	536959	20.10	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37803	18.22	ug/l	98
82) 4-Chlorotoluene	12.77	91	430672	19.11	ug/l	99
83) tert-Butylbenzene	12.99	119	465031	19.72	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	537515	20.47	ug/l	100
85) sec-Butylbenzene	13.17	105	598258	19.78	ug/l	99
86) p-Isopropyltoluene	13.29	119	511887	19.96	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	274512	18.23	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	266202	19.26	ug/l	99
89) n-Butylbenzene	13.62	91	357875	17.93	ug/l	99
90) Hexachloroethane	13.88	117	96662	20.34	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	269847	18.39	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22363	20.21	ug/l	94

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QLast Update : Tue Sep 11 02:27:09 2018
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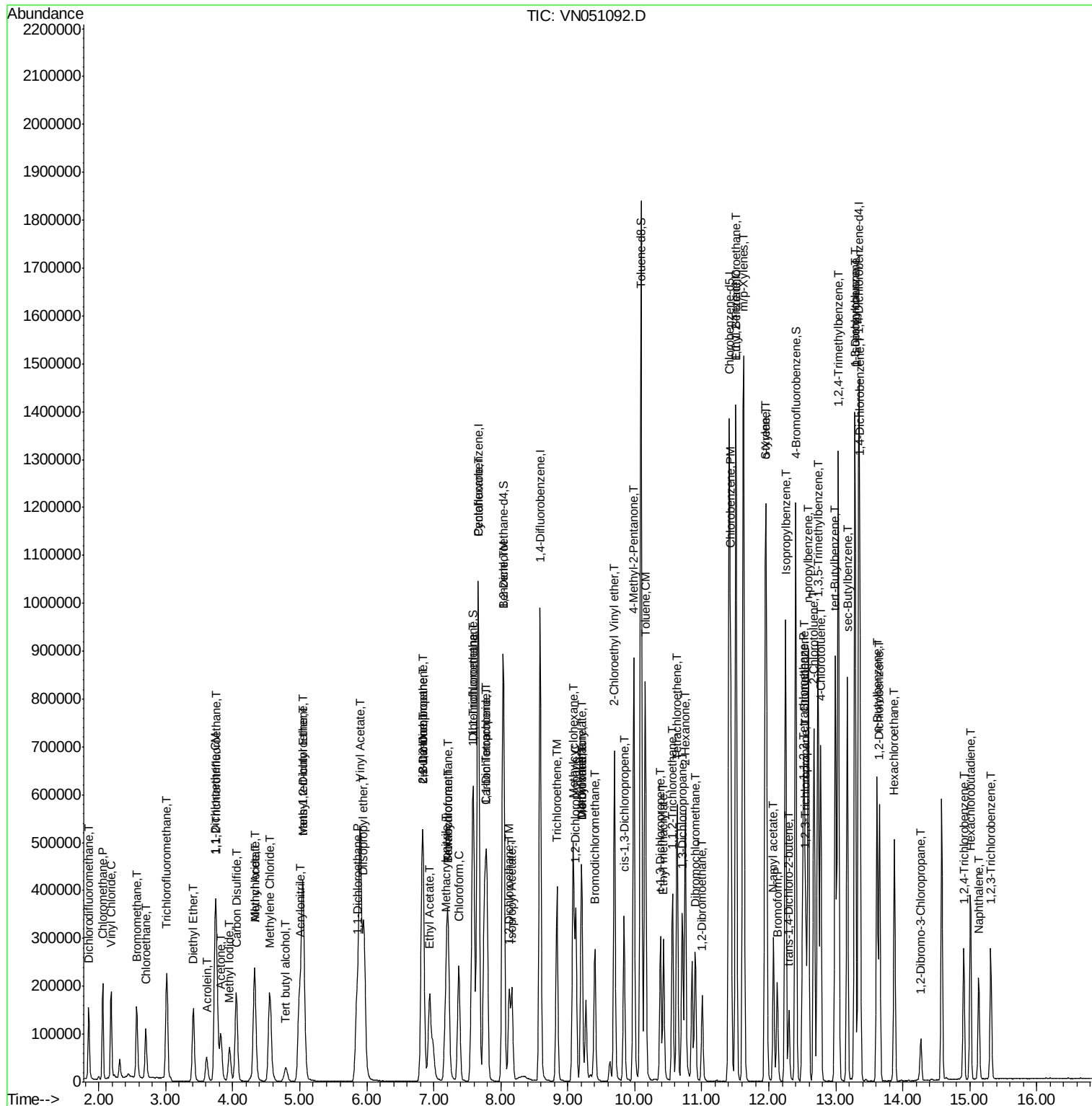
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	97623	16.65	ug/l	98
94) Hexachlorobutadiene	15.01	225	86979	19.26	ug/l	99
95) Naphthalene	15.13	128	188150	16.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	106275	17.71	ug/l	98

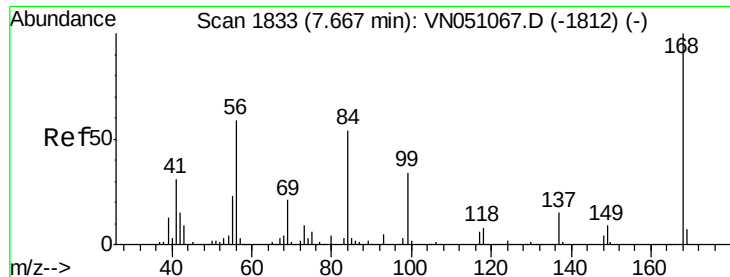
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

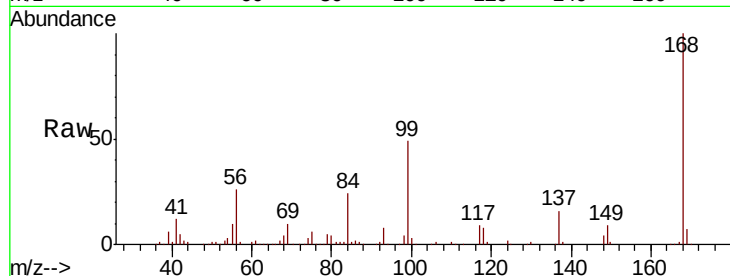
VN0910MBS02

Tot Ion:168 Resp: 661401

Ion Ratio Lower Upper

168 100

99 48.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

250000

200000

150000

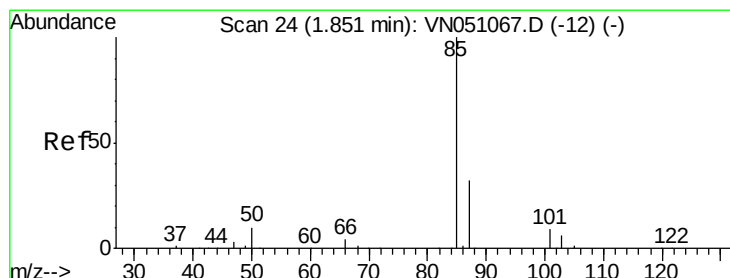
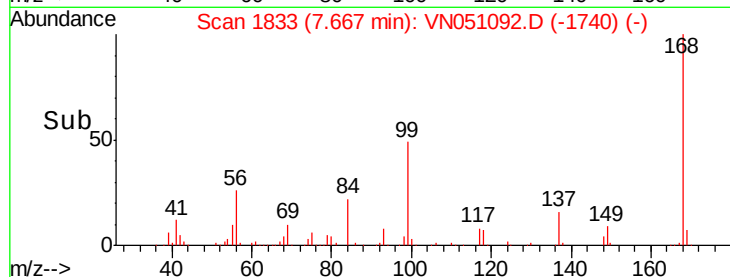
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.81 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051092.D

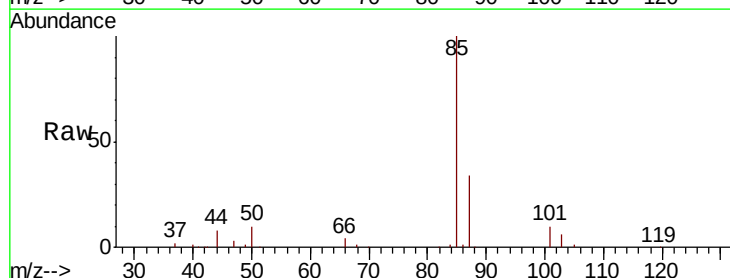
Acq: 10 Sep 2018 21:54

Tgt Ion: 85 Resp: 119970

Ion Ratio Lower Upper

85 100

87 34.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

100000

80000

60000

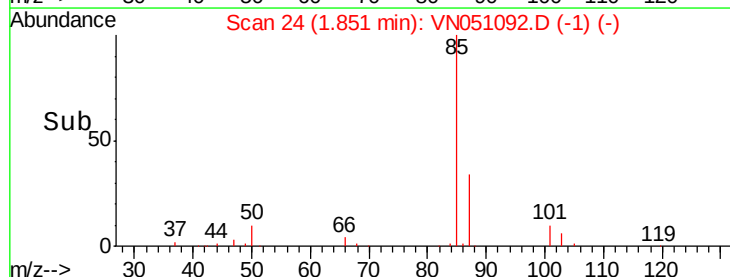
40000

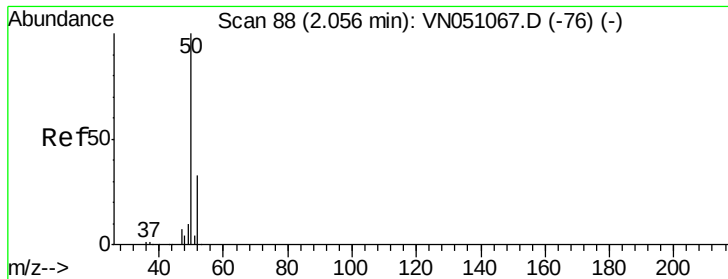
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.81 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

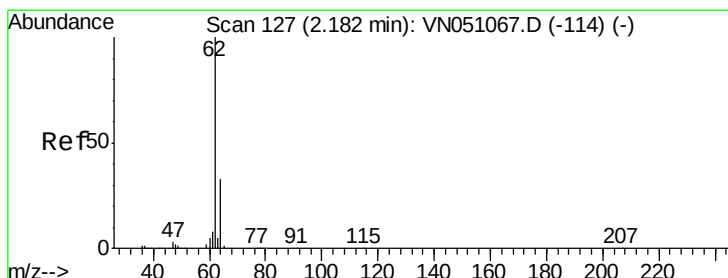
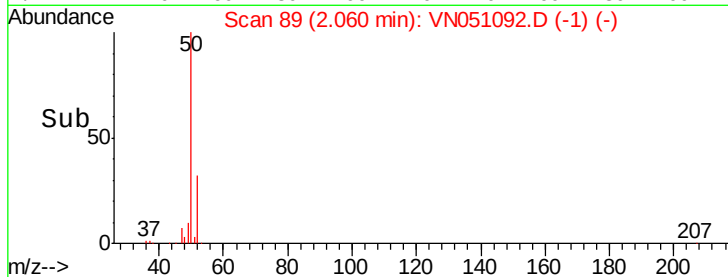
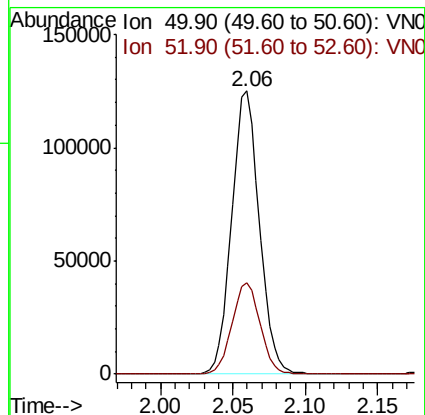
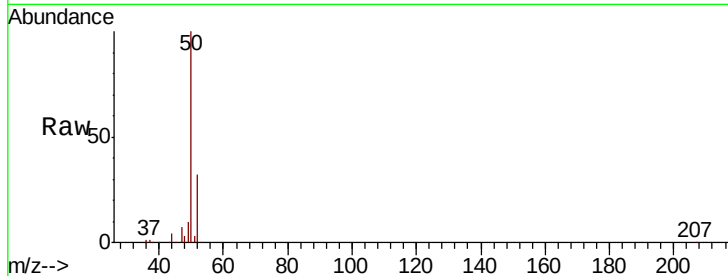
VN0910MBS02

Tot Ion: 50 Resp: 165893

Ion Ratio Lower Upper

50 100

52 32.3 26.0 39.0



#4

Vinyl Chloride

Concen: 19.41 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051092.D

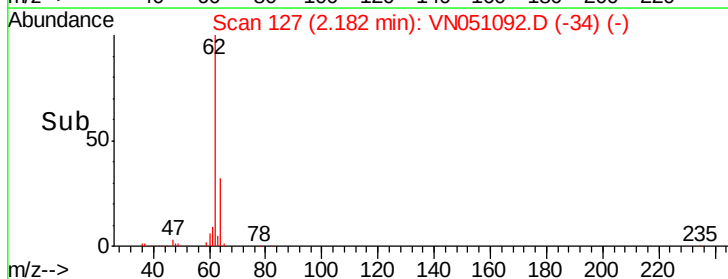
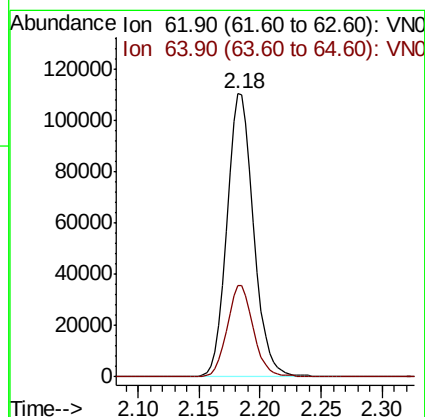
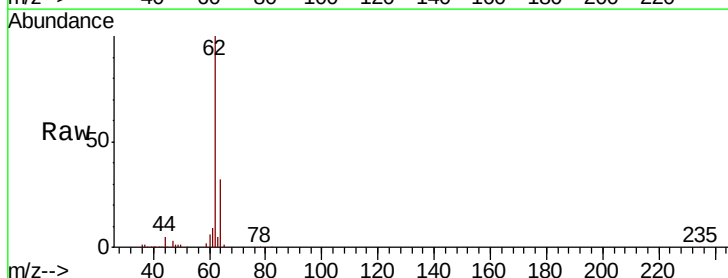
Acq: 10 Sep 2018 21:54

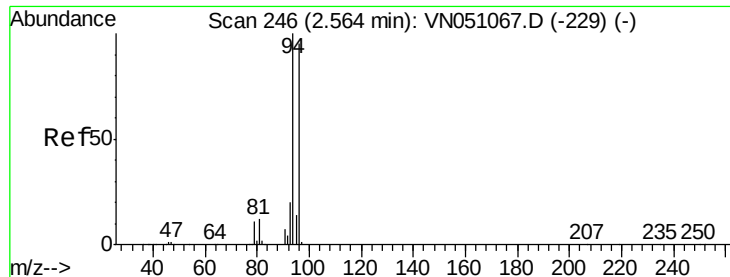
Tgt Ion: 62 Resp: 169968

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 20.22 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

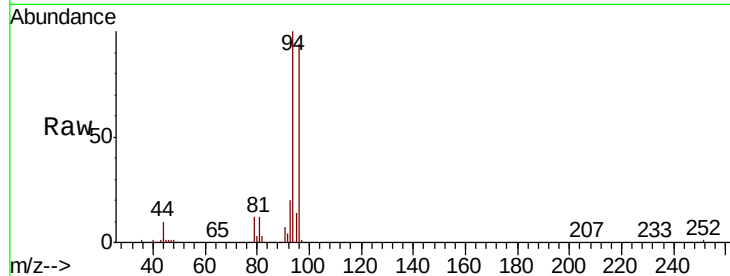
VN0910MBS02

Tot Ion: 94 Resp: 102772

Ion Ratio Lower Upper

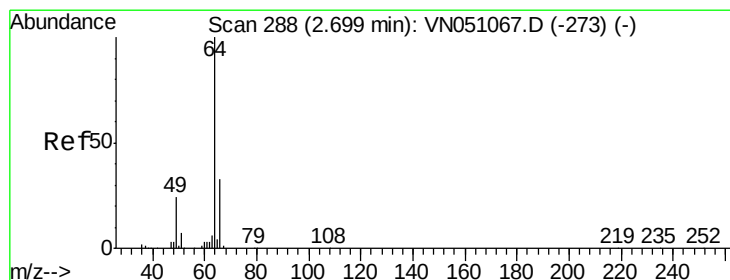
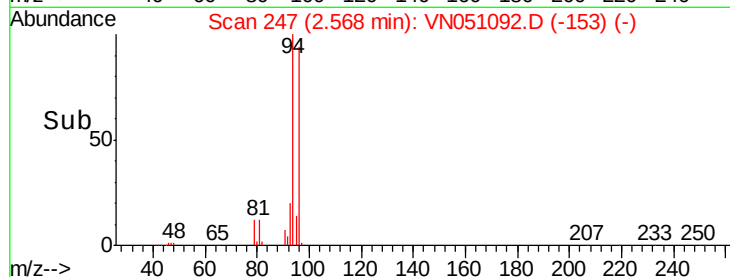
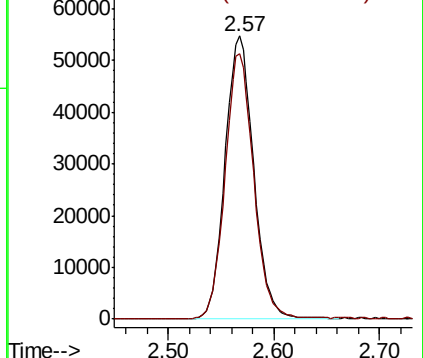
94 100

96 93.8 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.99 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051092.D

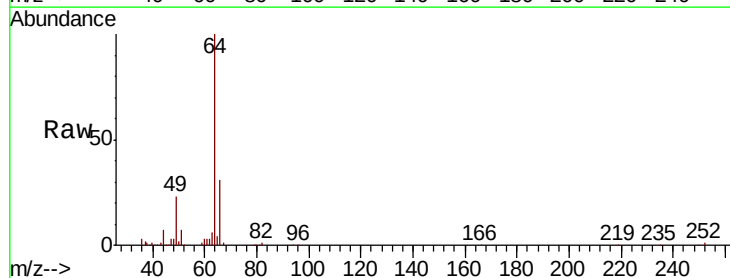
Acq: 10 Sep 2018 21:54

Tgt Ion: 64 Resp: 102600

Ion Ratio Lower Upper

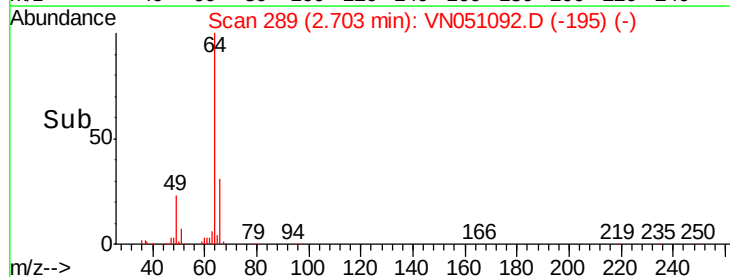
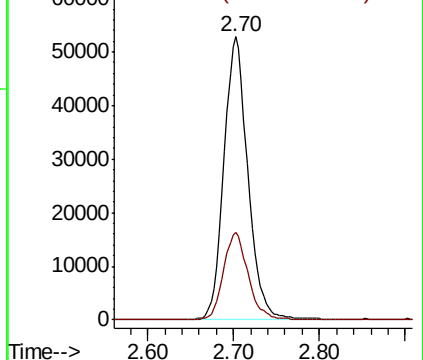
64 100

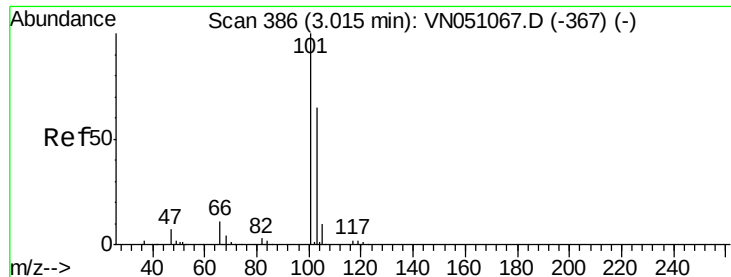
66 31.0 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



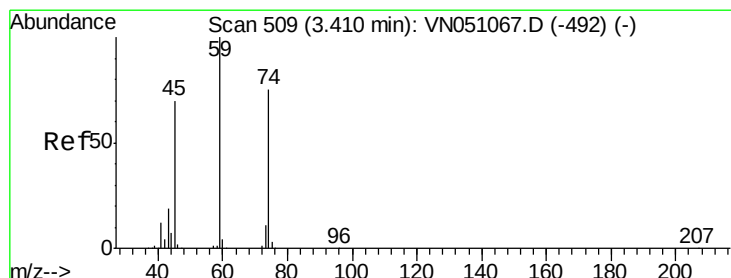
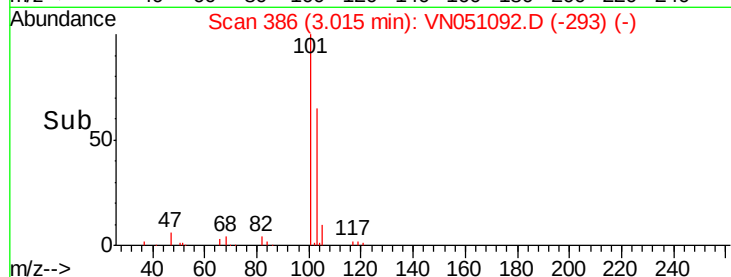
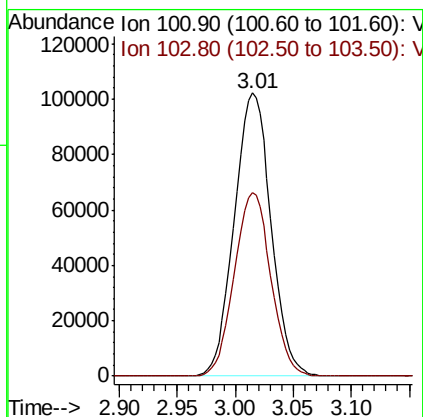
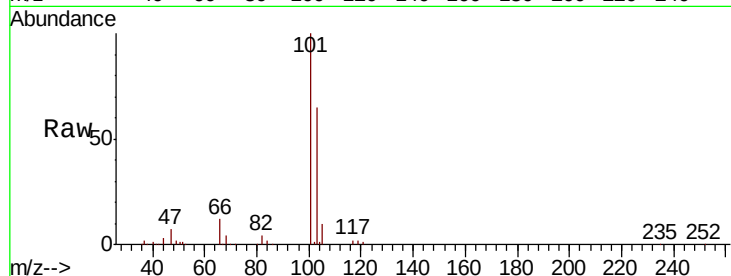


#7

Trichlorofluoromethane
 Concen: 19.39 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

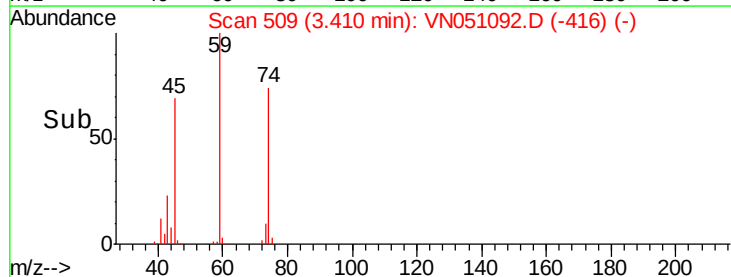
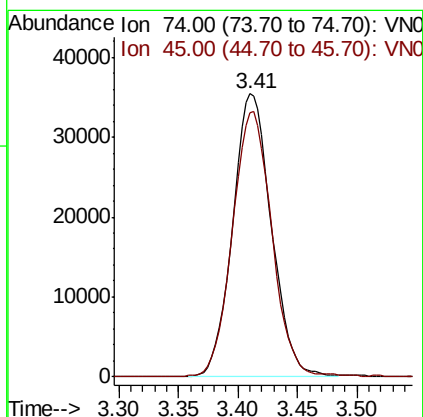
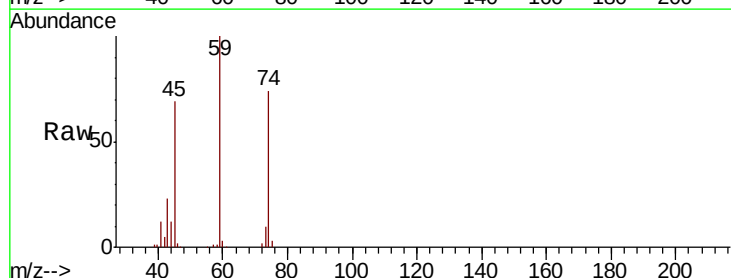
Tot Ion:101 Resp: 224912
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.4 78.6

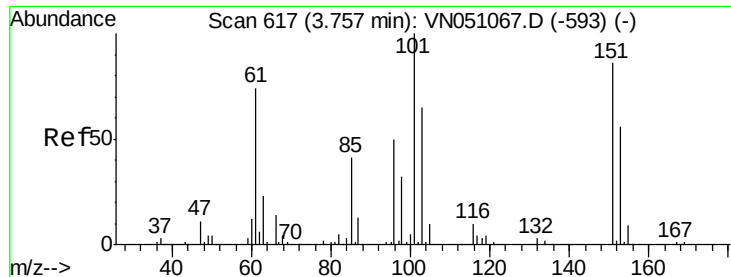


#8

Diethyl Ether
 Concen: 18.72 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion: 74 Resp: 79874
 Ion Ratio Lower Upper
 74 100
 45 95.0 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.87 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

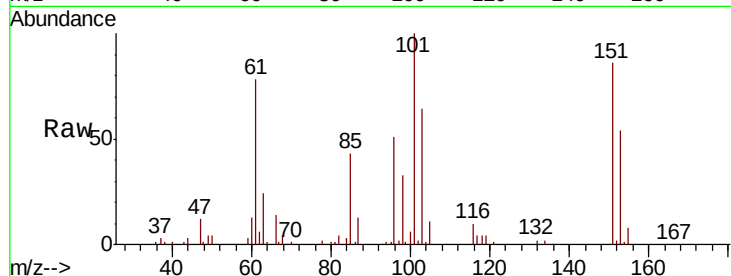
Tot Ion:101 Resp: 141120

Ion Ratio Lower Upper

101 100

85 42.1 33.3 49.9

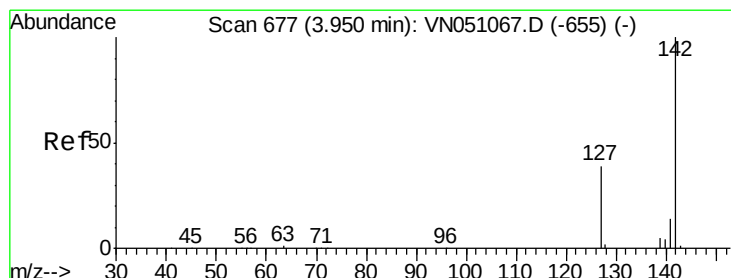
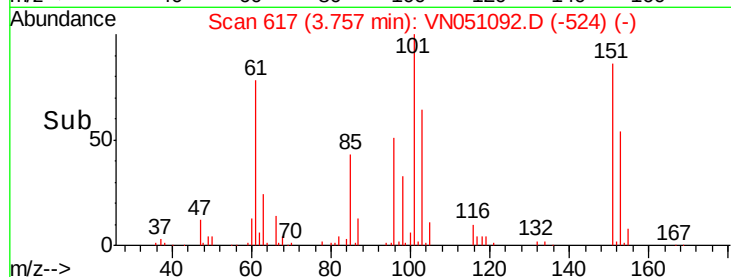
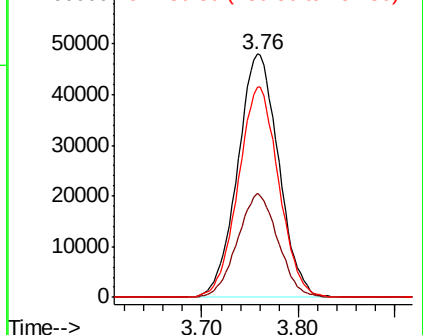
151 85.5 68.2 102.2



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: 20.40 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

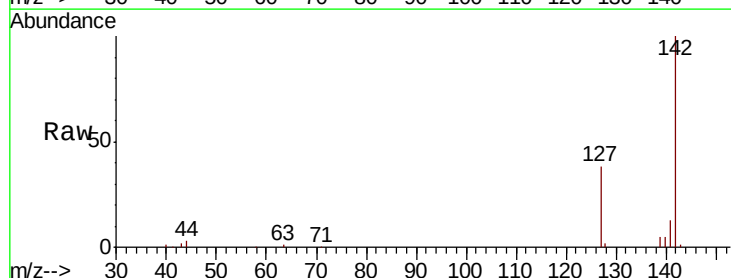
Tgt Ion:142 Resp: 116431

Ion Ratio Lower Upper

142 100

127 39.1 31.0 46.4

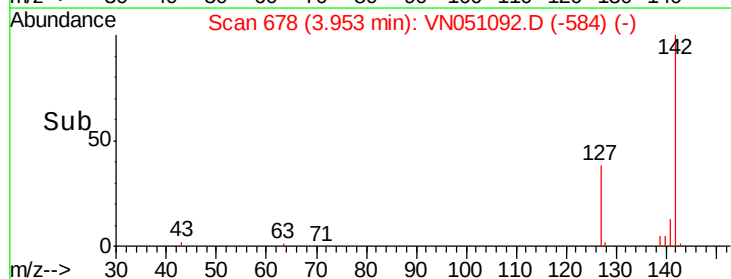
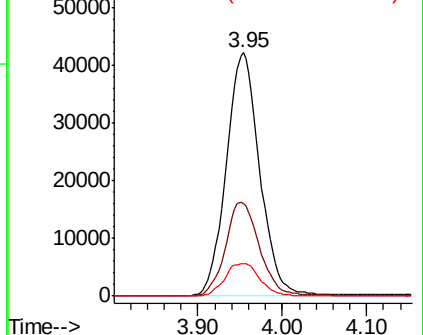
141 14.0 11.3 16.9

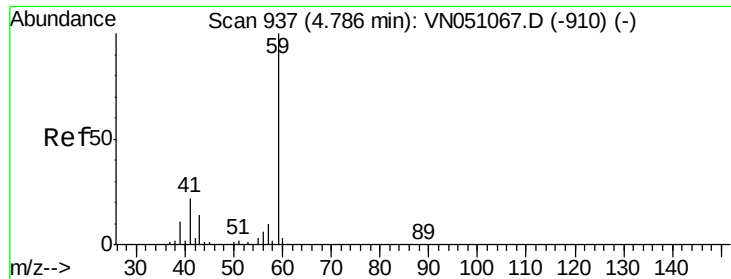


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



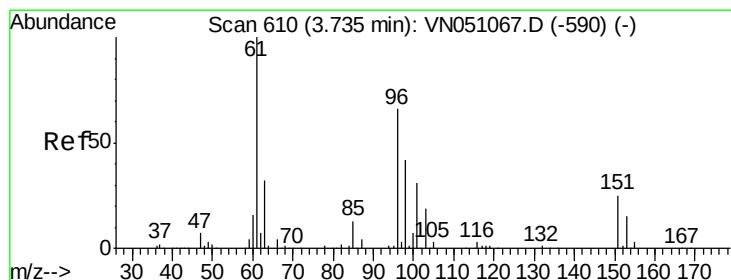
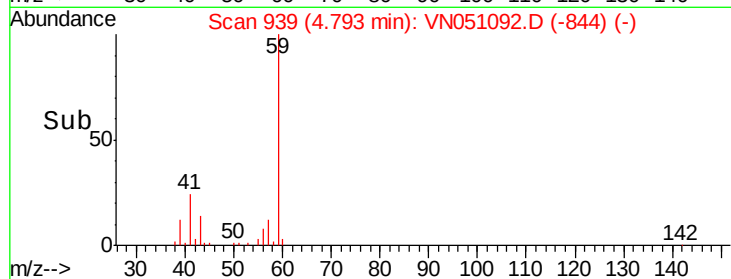
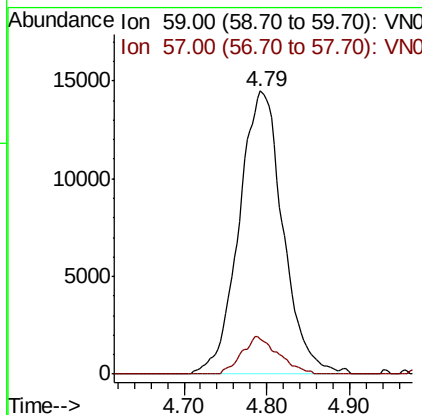
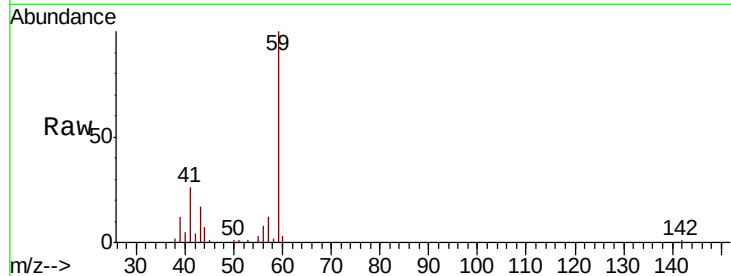


#11

Tert butyl alcohol
 Concen: 94.70 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

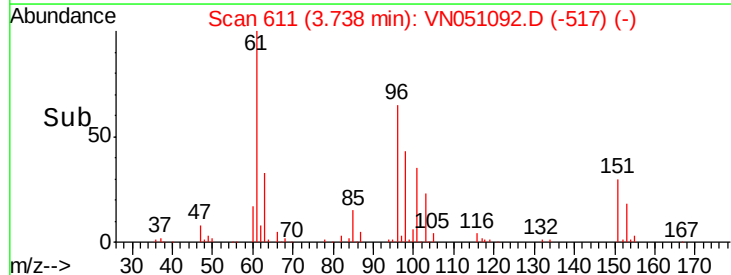
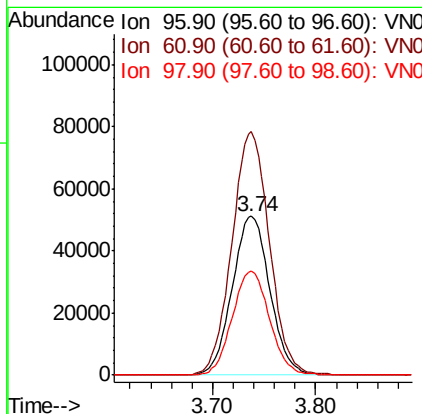
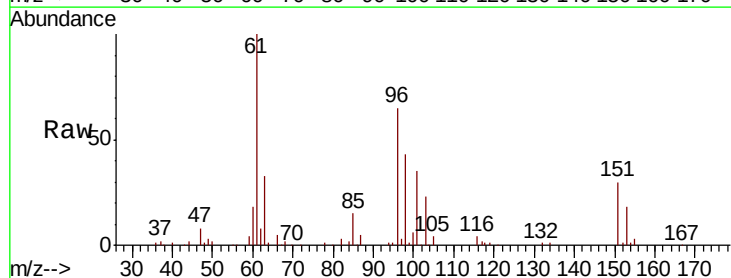
Tot Ion: 59 Resp: 53242
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.1 12.1

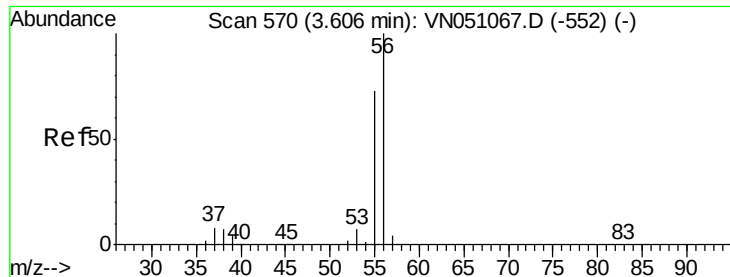


#12

1,1-Dichloroethene
 Concen: 18.50 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion: 96 Resp: 130526
 Ion Ratio Lower Upper
 96 100
 61 152.9 120.3 180.5
 98 65.5 50.8 76.2





#13

Acrolein

Concen: 105.96 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

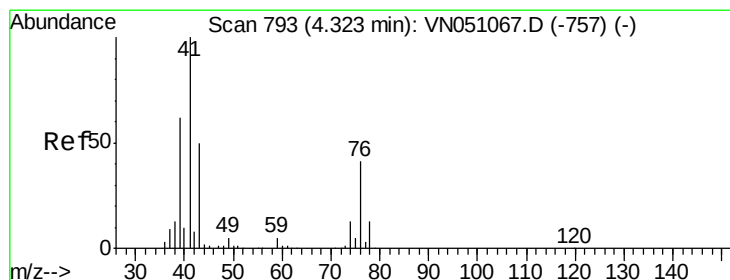
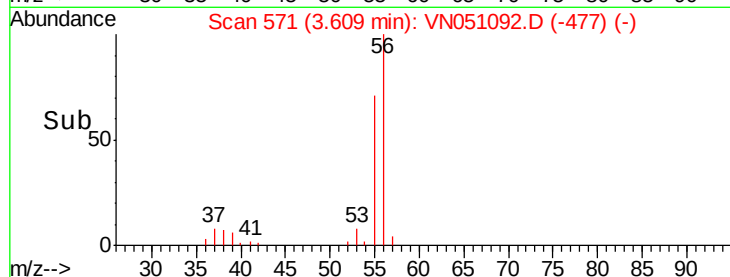
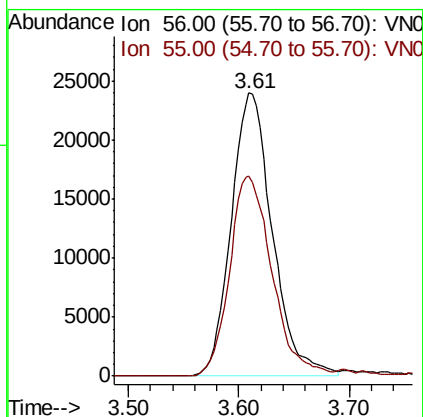
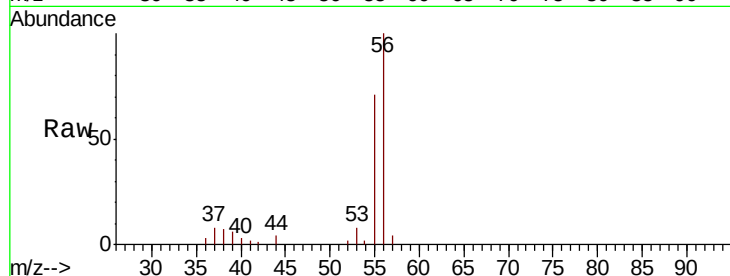
VN0910MBS02

Tot Ion: 56 Resp: 62075

Ion Ratio Lower Upper

56 100

55 72.6 58.0 87.0



#14

Allyl chloride

Concen: 18.24 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

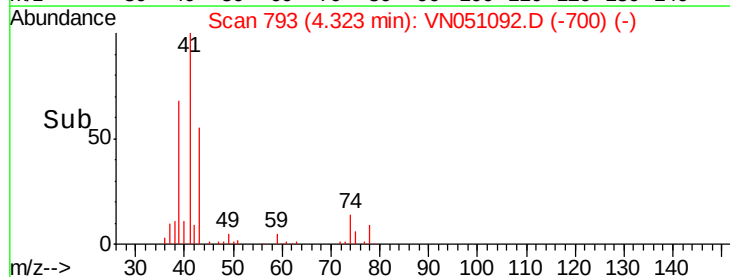
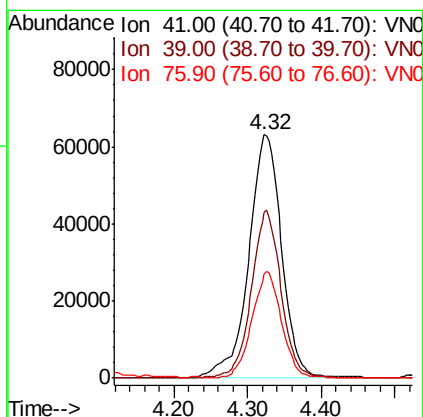
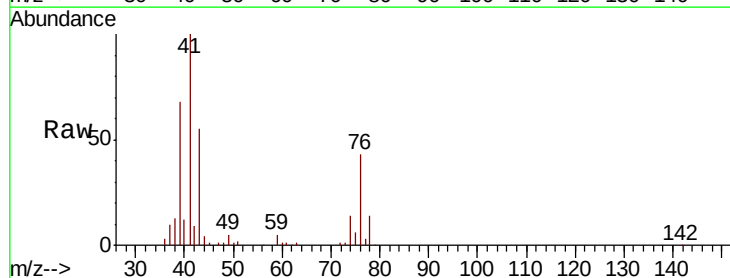
Tgt Ion: 41 Resp: 196076

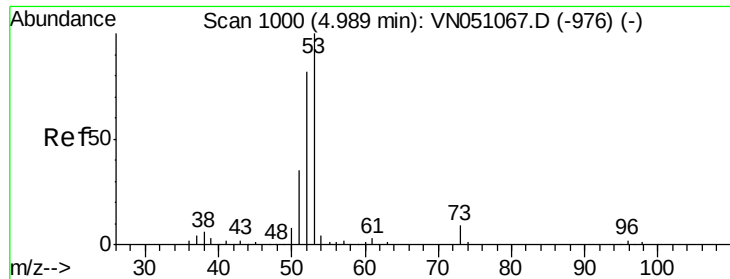
Ion Ratio Lower Upper

41 100

39 62.2 48.8 73.2

76 38.6 30.6 45.8

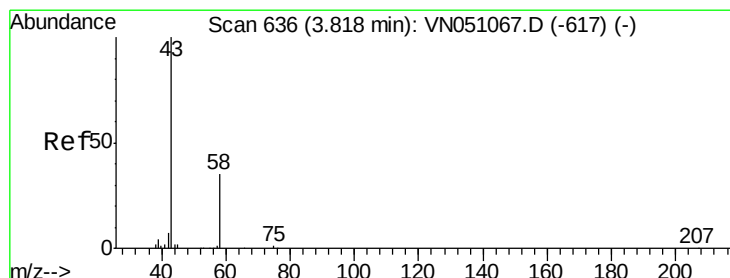
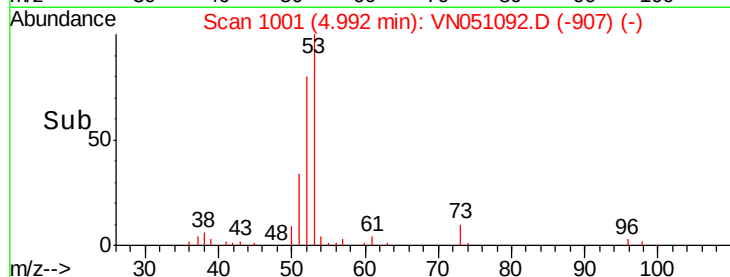
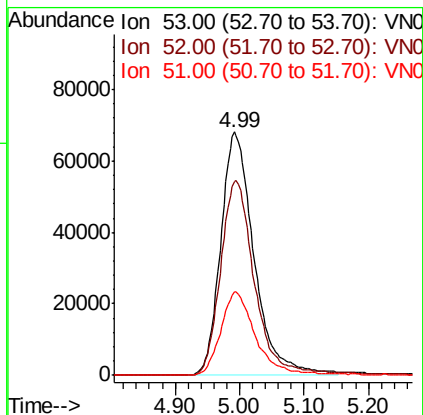
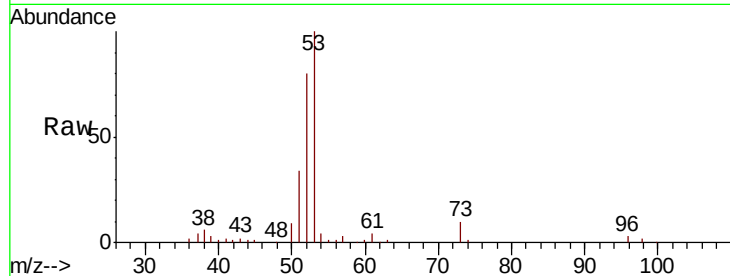




#15
 Acrylonitrile
 Concen: 98.37 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

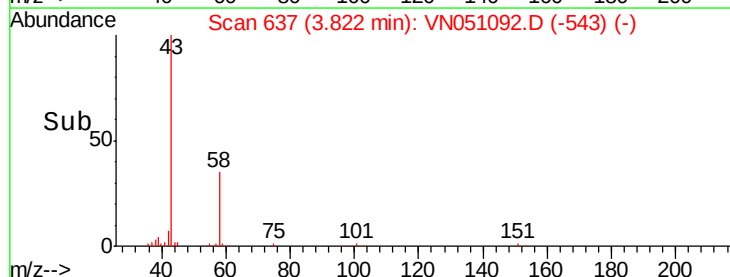
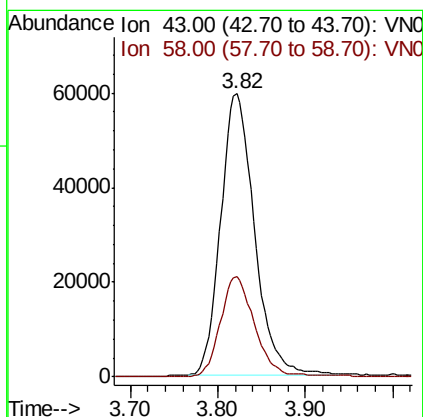
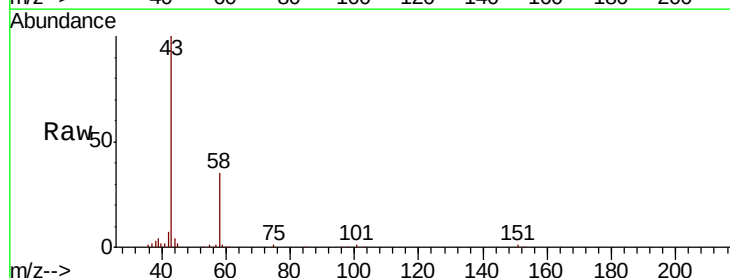
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

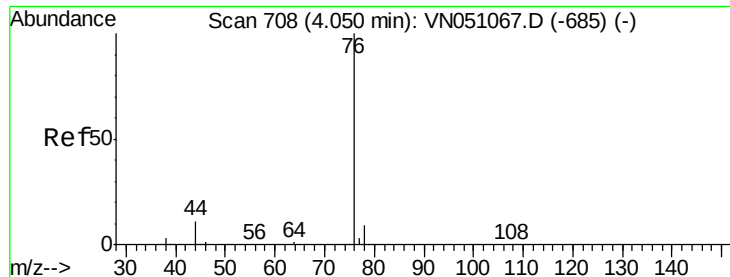
Tot Ion: 53 Resp: 245054
 Ion Ratio Lower Upper
 53 100
 52 80.5 65.3 97.9
 51 35.2 28.2 42.2



#16
 Acetone
 Concen: 83.34 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion: 43 Resp: 158760
 Ion Ratio Lower Upper
 43 100
 58 35.3 27.8 41.6

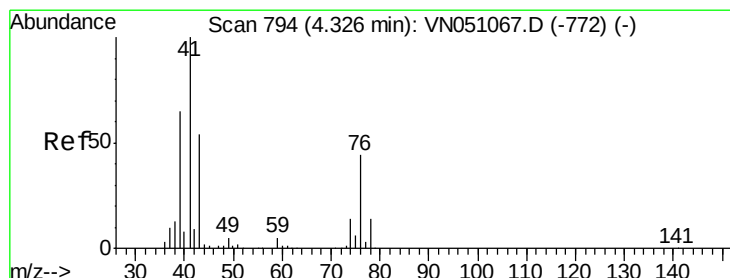
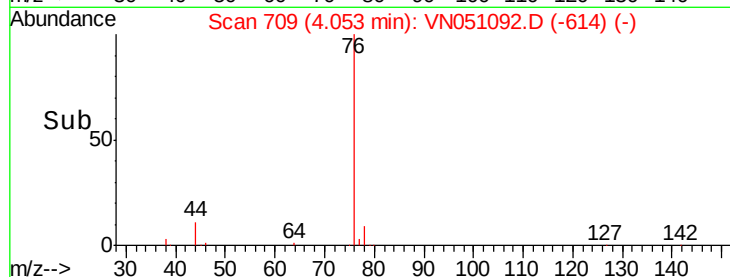
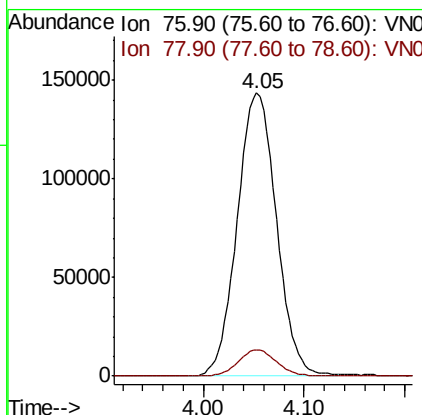
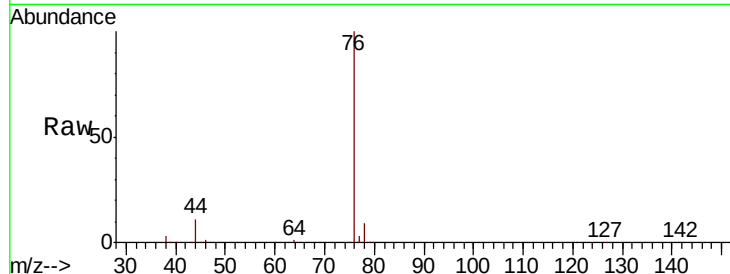




#17
Carbon Disulfide
Concen: 18.69 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

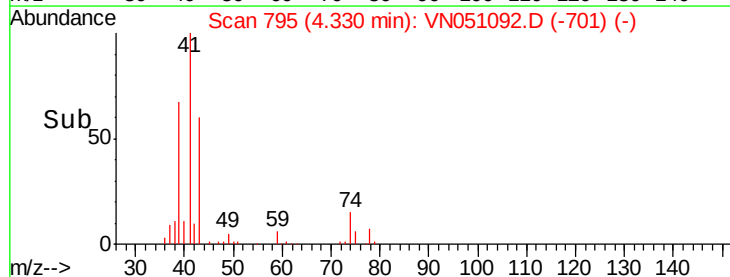
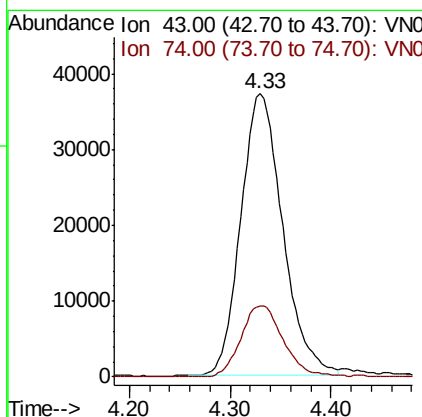
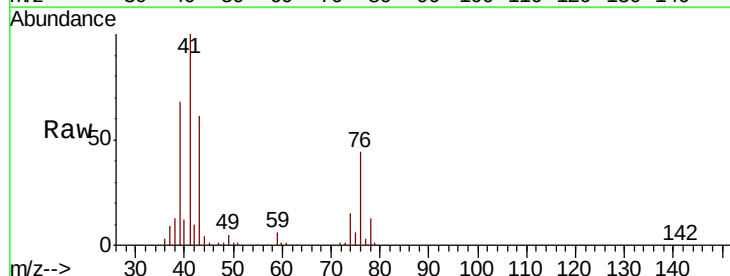
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

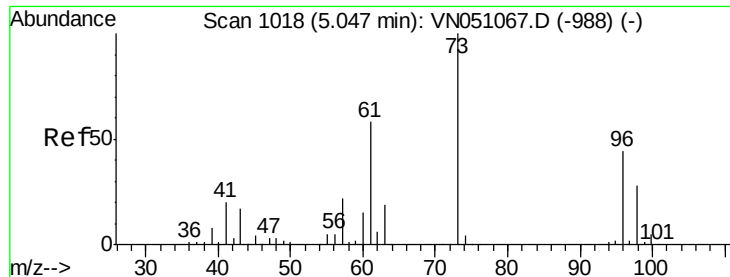
Tot Ion: 76 Resp: 387077
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.6



#18
Methyl Acetate
Concen: 18.23 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 43 Resp: 107429
Ion Ratio Lower Upper
43 100
74 25.5 20.7 31.1





#19

Methyl tert-butyl Ether

Concen: 19.30 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

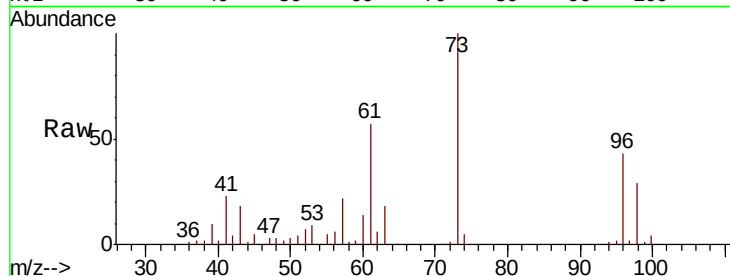
VN0910MBS02

Tot Ion: 73 Resp: 359972

Ion Ratio Lower Upper

73 100

57 22.1 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN051067.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN051067.D (-988) (-)

5.05

100000

80000

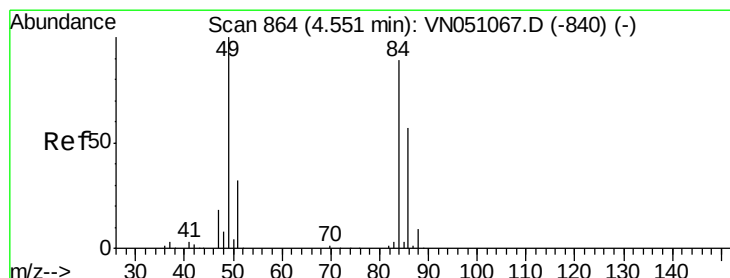
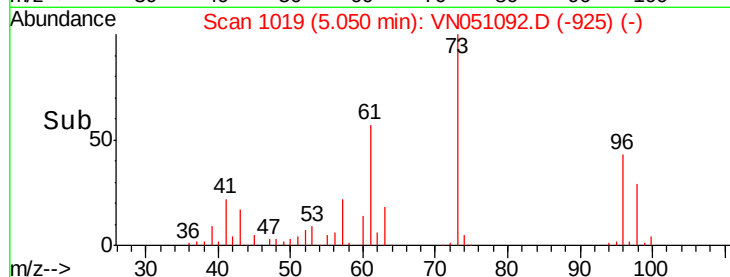
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 18.68 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Tgt Ion: 84 Resp: 151917

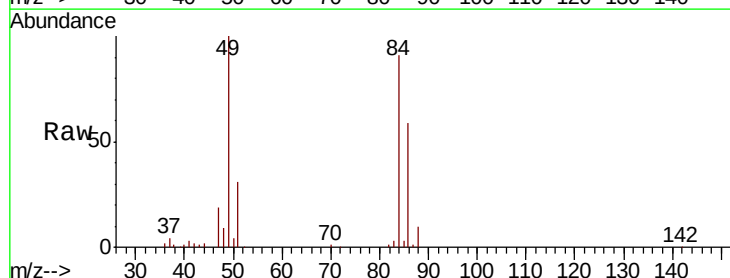
Ion Ratio Lower Upper

84 100

49 110.4 90.2 135.2

51 34.3 28.4 42.6

86 64.6 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VN051067.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN051067.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN051067.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN051067.D (-840) (-)

4.55

80000

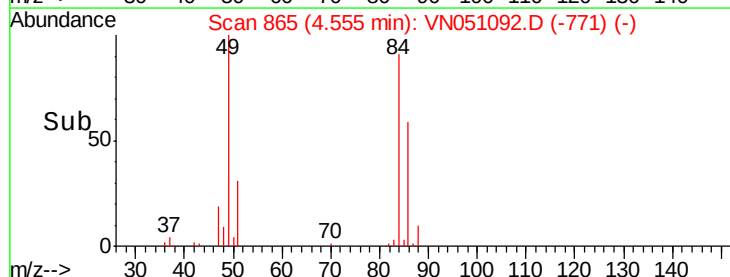
60000

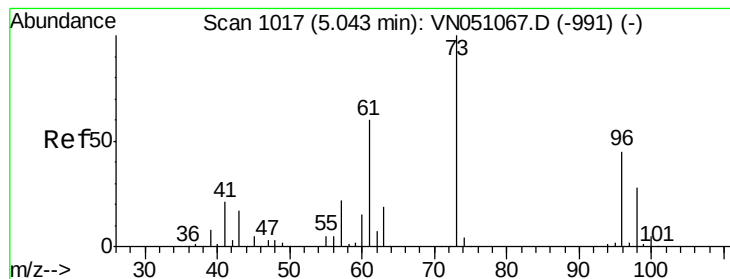
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 18.35 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS02

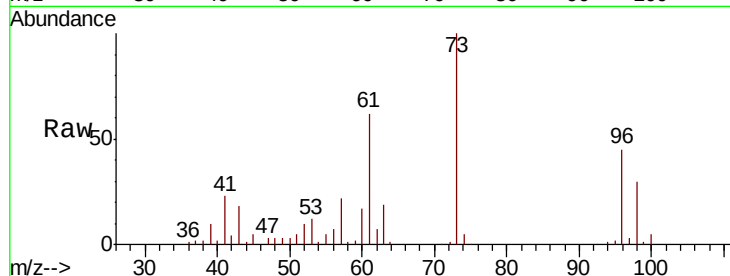
Tot Ion: 96 Resp: 140410

Ion Ratio Lower Upper

96 100

61 135.5 106.5 159.7

98 64.9 50.4 75.6

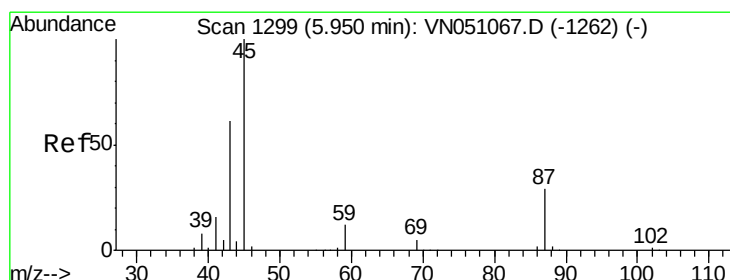
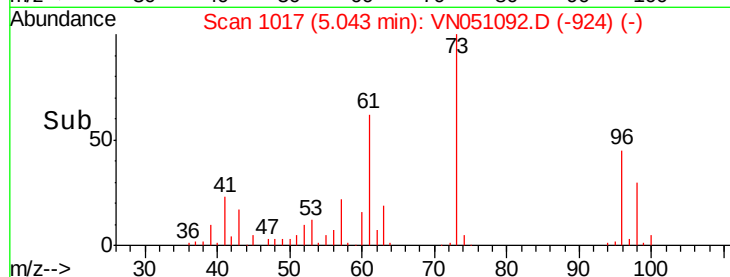
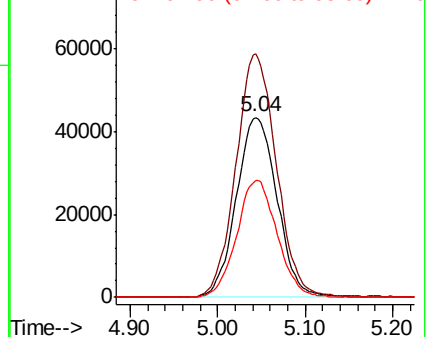


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.17 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Tgt Ion: 45 Resp: 430457

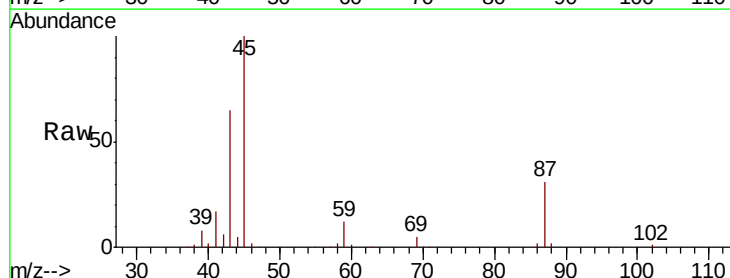
Ion Ratio Lower Upper

45 100

43 62.7 48.8 73.2

87 30.9 23.8 35.8

59 12.1 9.6 14.4



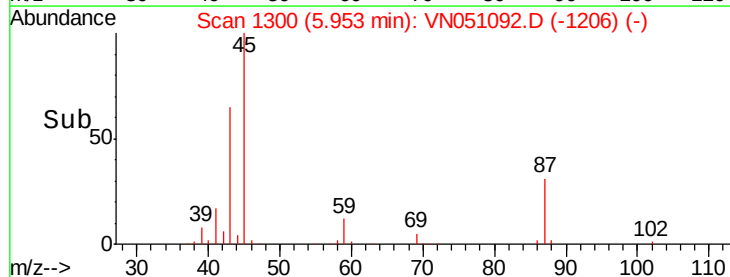
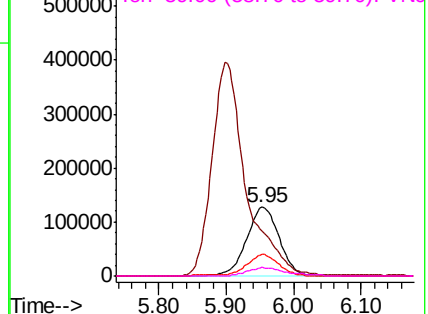
Abundance

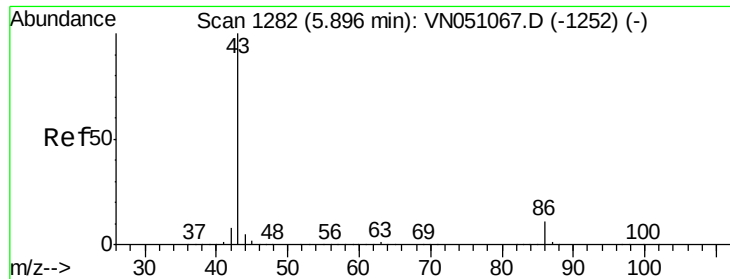
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 97.11 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

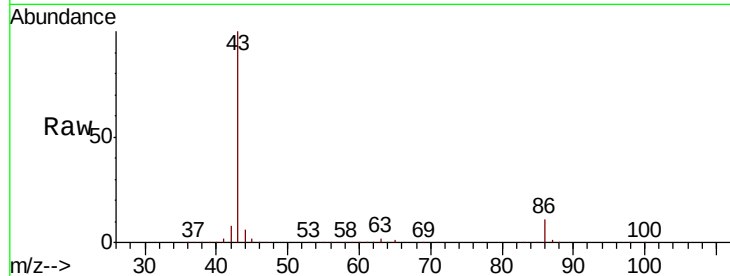
VN0910MBS02

Tot Ion: 43 Resp: 1402215

Ion Ratio Lower Upper

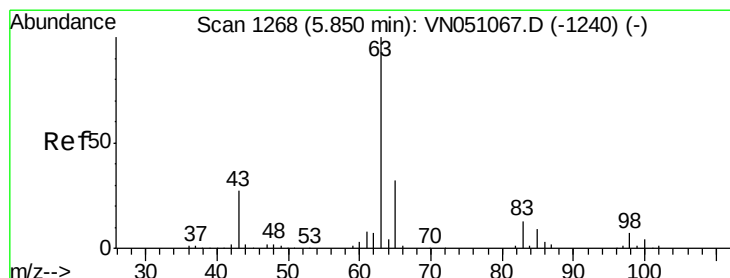
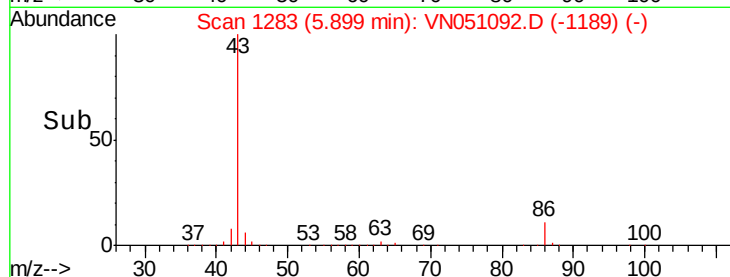
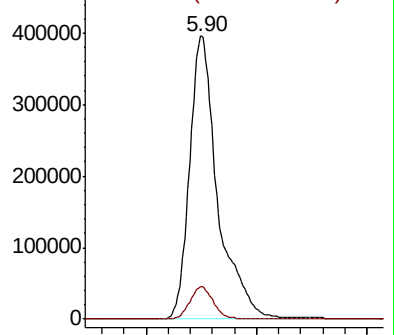
43 100

86 11.3 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.41 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

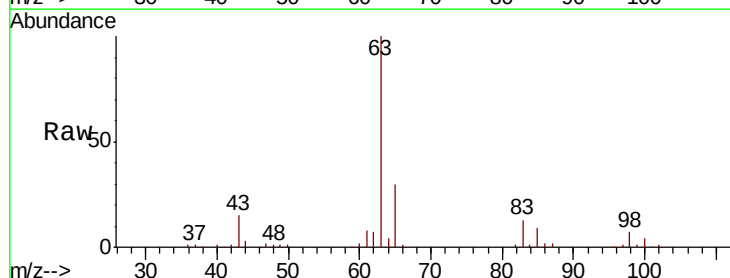
Tgt Ion: 63 Resp: 262712

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

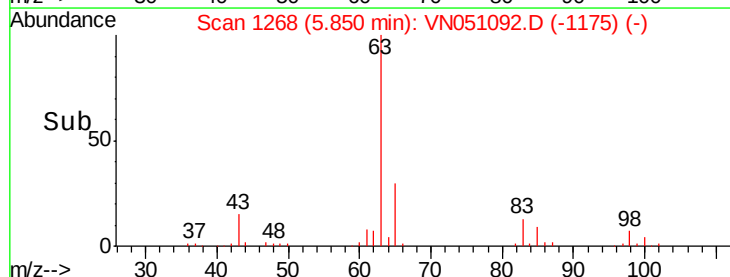
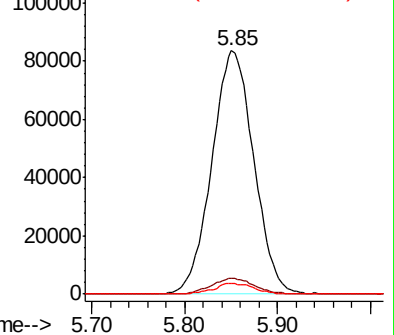
100 4.5 2.1 6.3

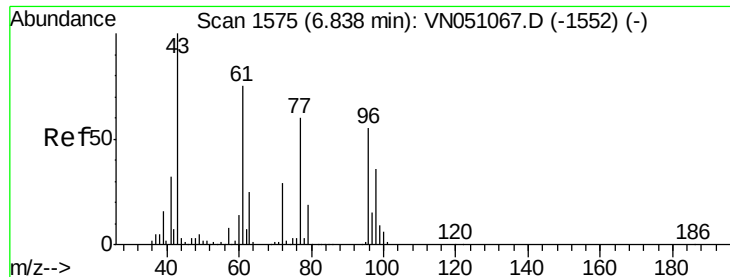


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

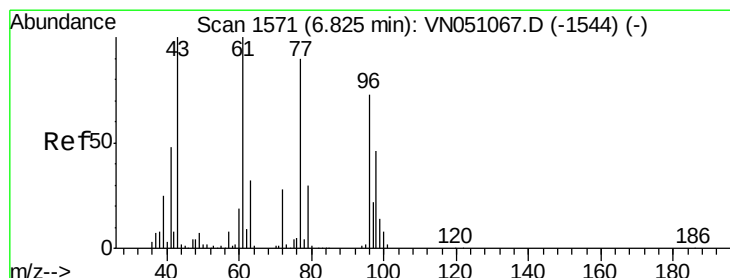
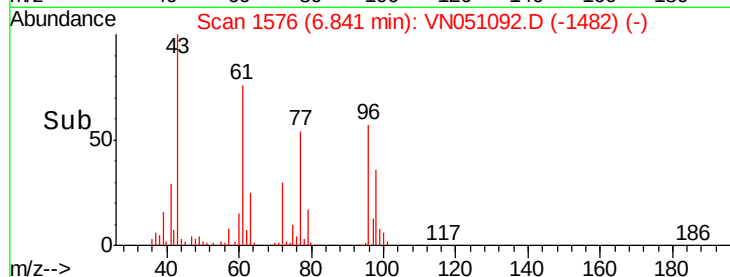
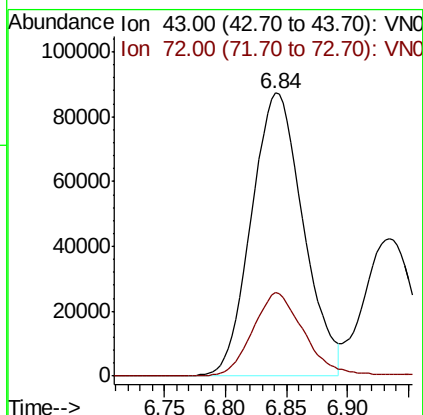
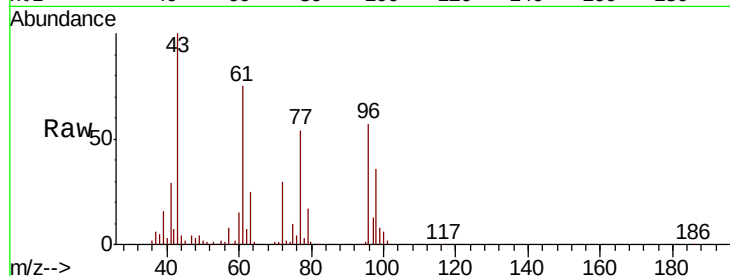




#25
2-Butanone
Concen: 88.77 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

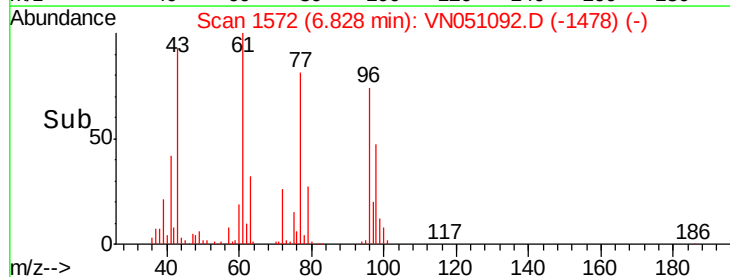
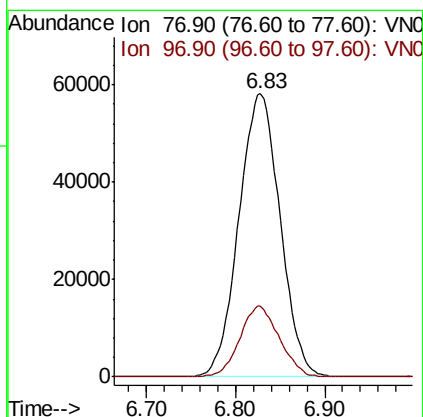
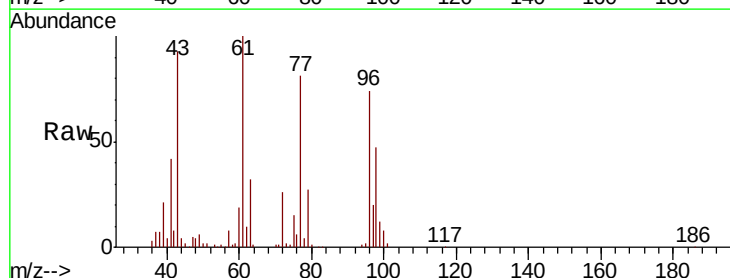
Instrument :
MSVOA_N
ClientSampled :
VN0910MBS02

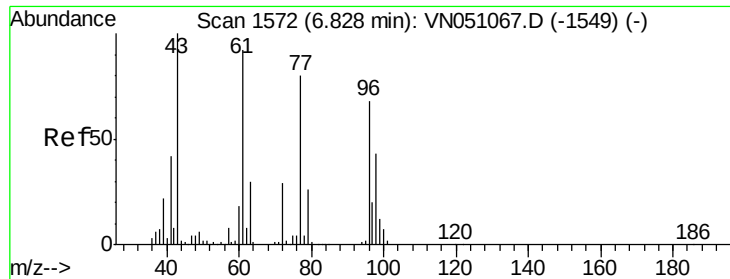
Tot Ion: 43 Resp: 256881
Ion Ratio Lower Upper
43 100
72 29.8 23.0 34.6



#26
2,2-Dichloropropane
Concen: 16.89 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 77 Resp: 187172
Ion Ratio Lower Upper
77 100
97 23.9 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.11 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

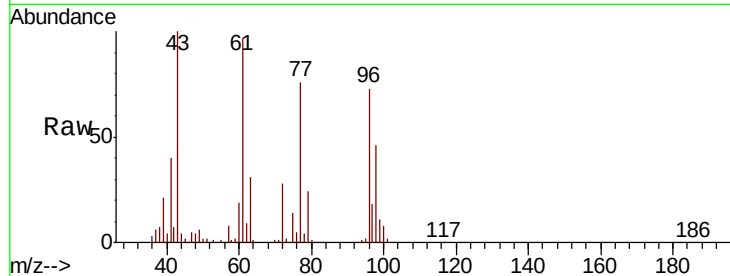
Tot Ion: 96 Resp: 160457

Ion Ratio Lower Upper

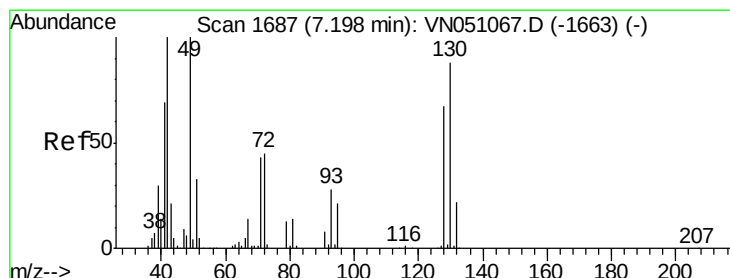
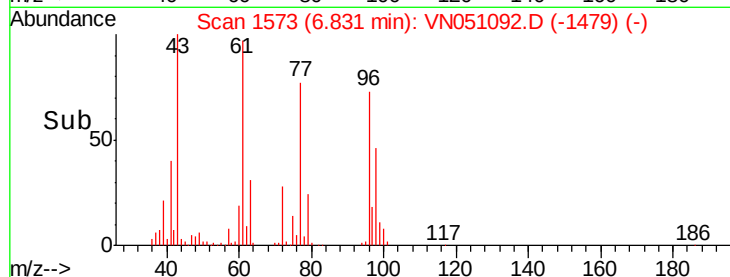
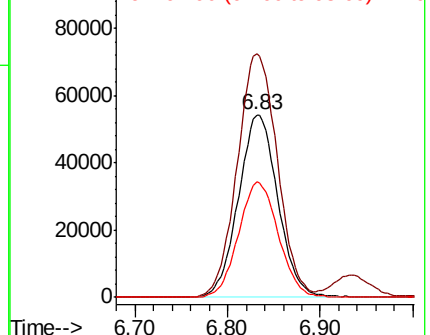
96 100

61 135.5 0.0 278.2

98 64.1 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: 18.80 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

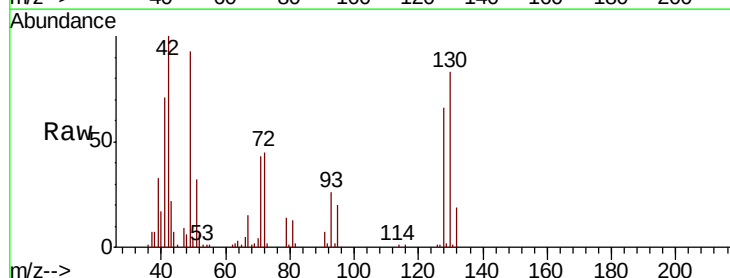
Tgt Ion: 49 Resp: 113303

Ion Ratio Lower Upper

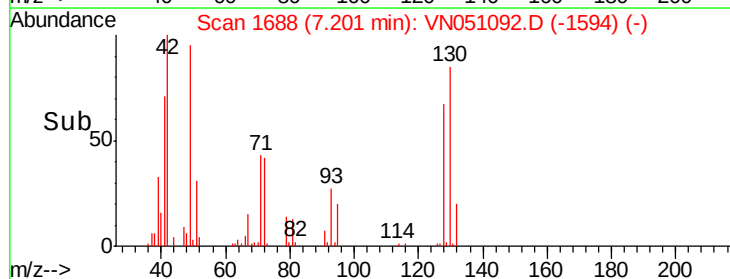
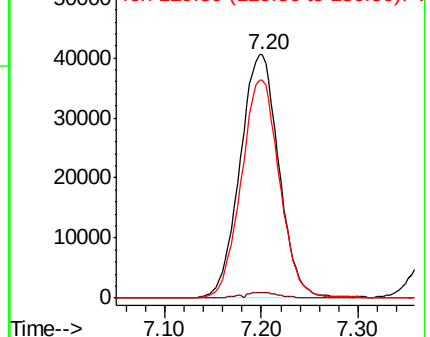
49 100

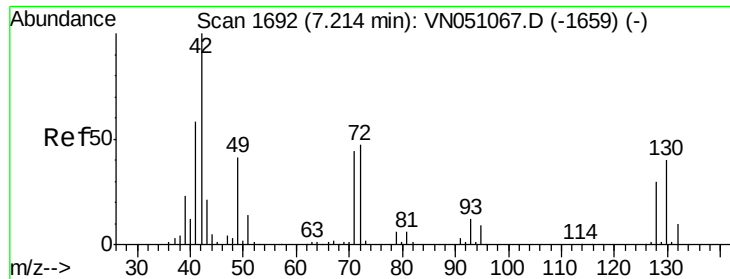
129 1.8 0.0 4.4

130 88.0 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

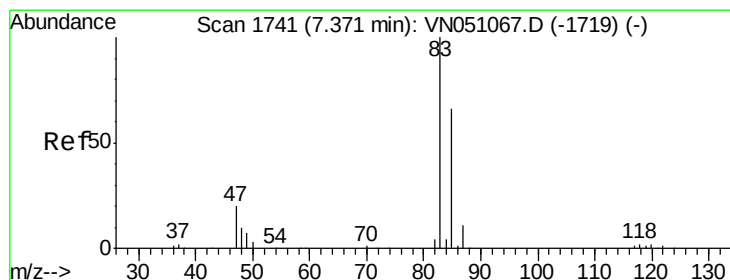
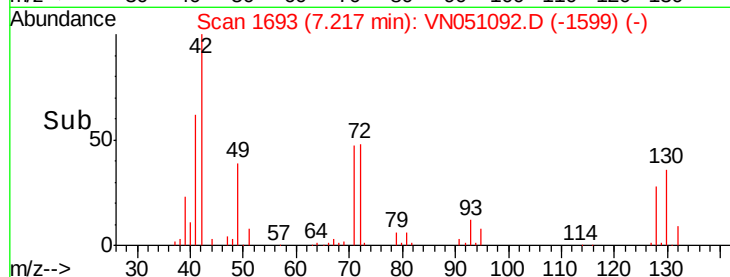
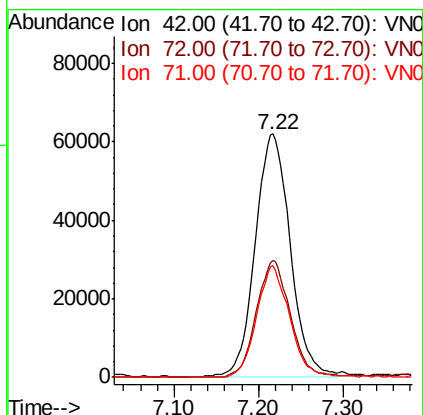
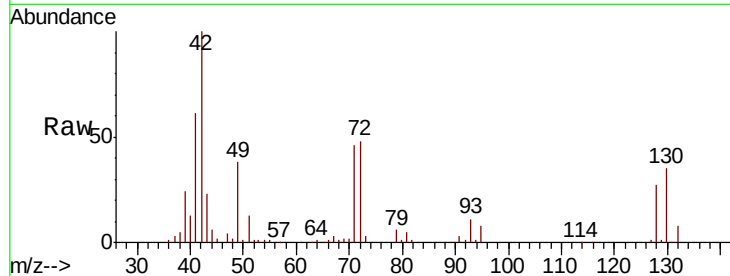




#29
Tetrahydrofuran
Concen: 99.46 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

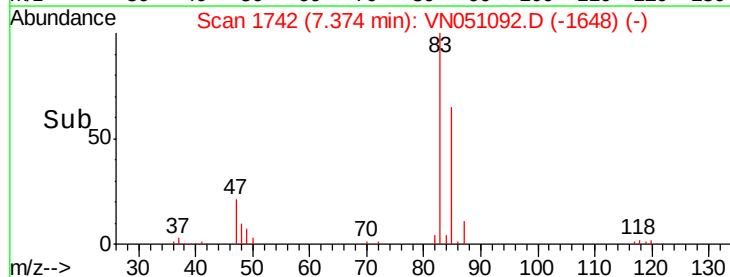
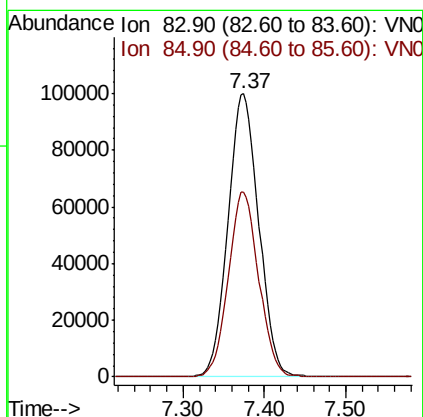
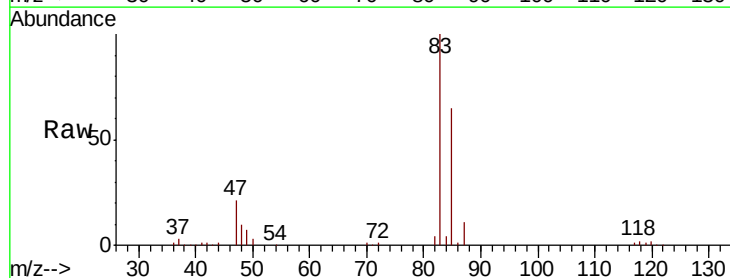
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

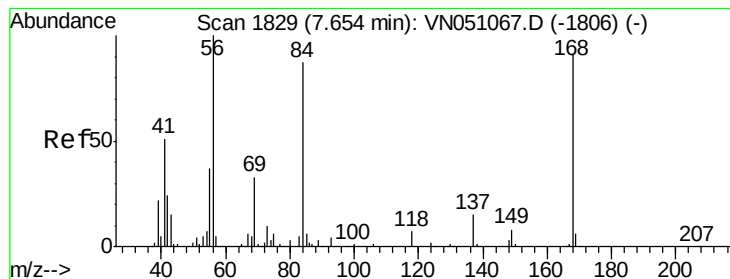
Tot Ion: 42 Resp: 179736
Ion Ratio Lower Upper
42 100
72 46.6 37.4 56.0
71 43.1 34.7 52.1



#30
Chloroform
Concen: 19.57 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 83 Resp: 263536
Ion Ratio Lower Upper
83 100
85 65.5 52.6 79.0





#31

Cyclohexane

Concen: 19.31 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS02

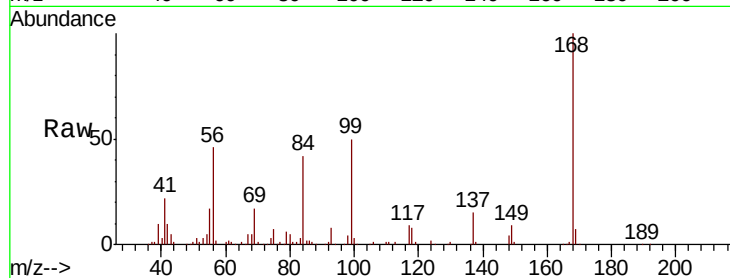
Tot Ion: 56 Resp: 234818

Ion Ratio Lower Upper

56 100

69 36.3 26.3 39.5

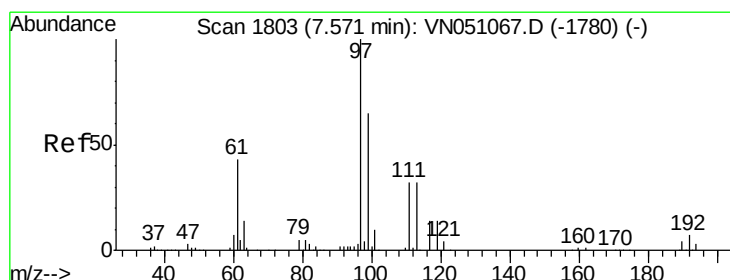
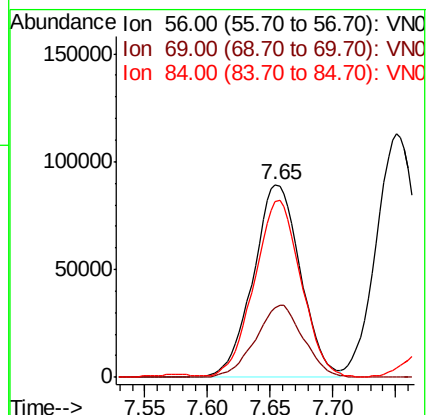
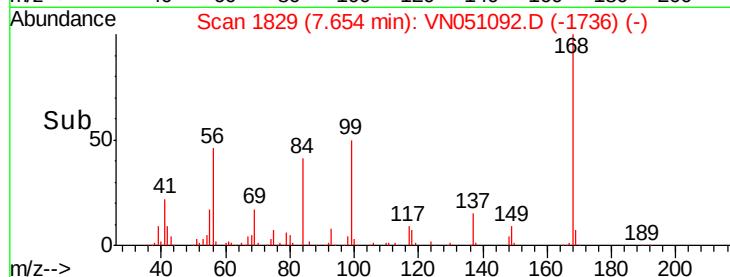
84 89.9 69.4 104.0



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: 19.34 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

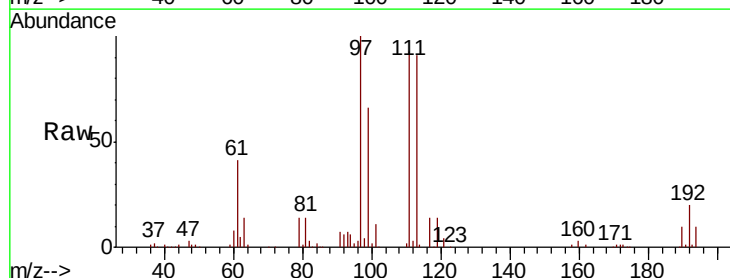
Tgt Ion: 97 Resp: 221955

Ion Ratio Lower Upper

97 100

99 65.9 51.6 77.4

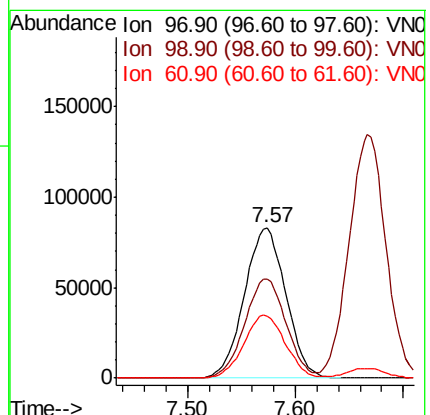
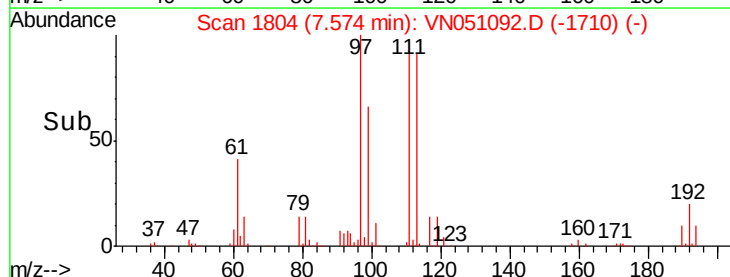
61 41.9 33.8 50.6

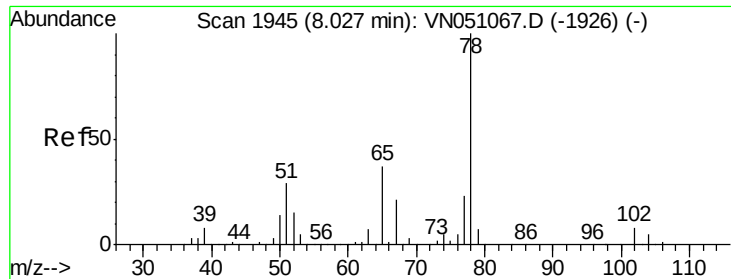


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

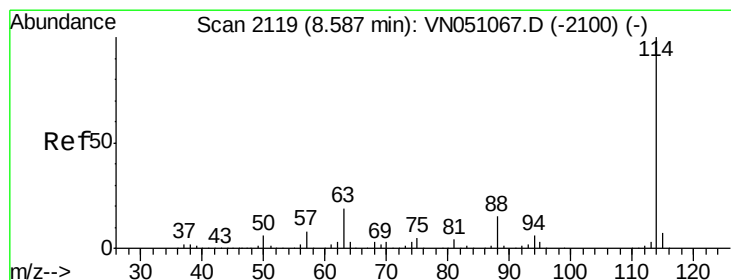
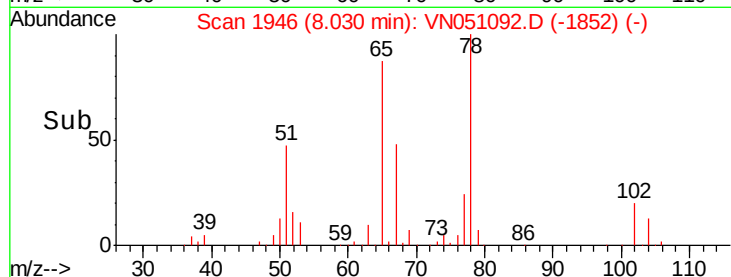
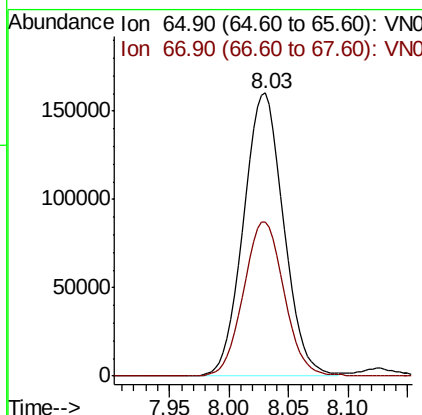
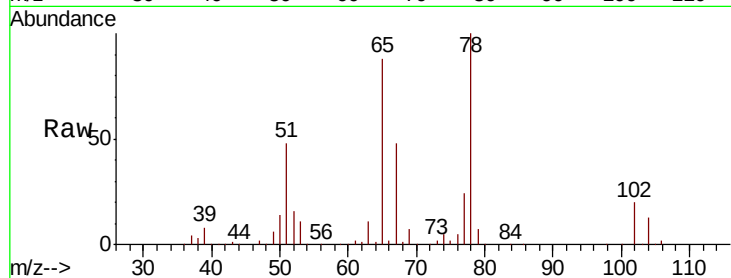




#33
 1,2-Dichloroethane-d4
 Concen: 50.88 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

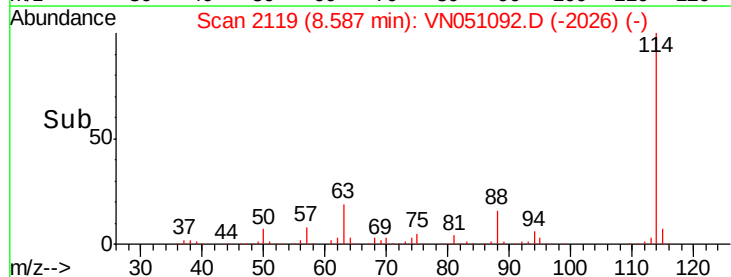
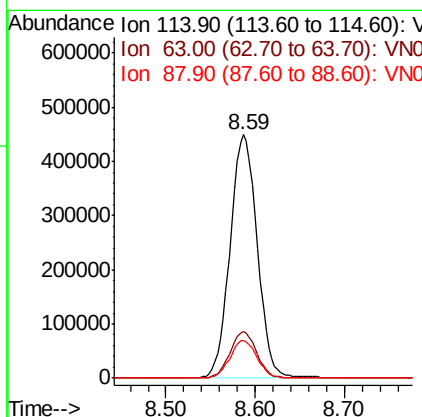
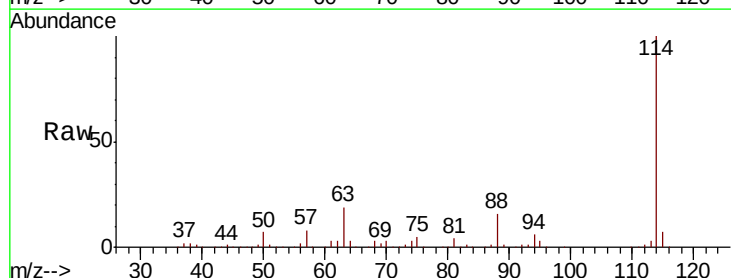
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

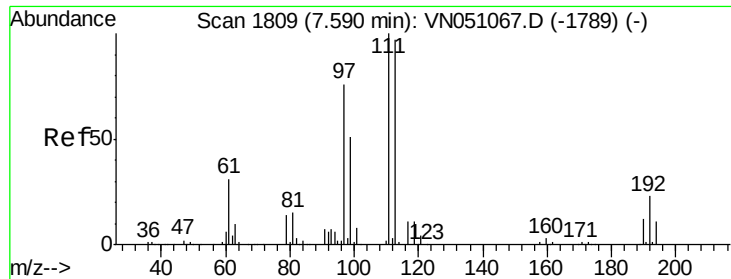
Tot Ion: 65 Resp: 374495
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion: 114 Resp: 950392
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.8
 88 15.5 0.0 30.8

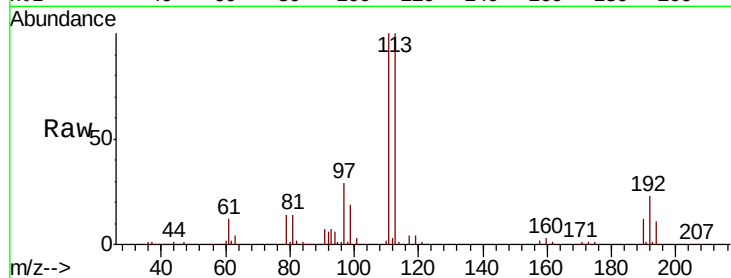




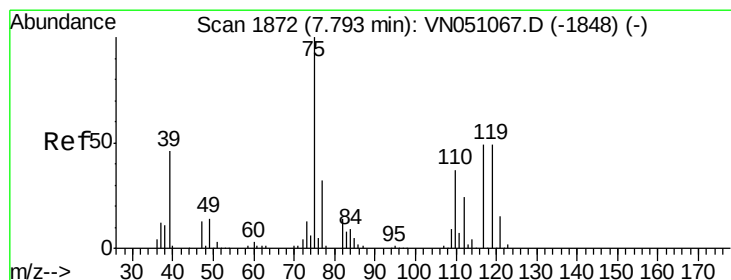
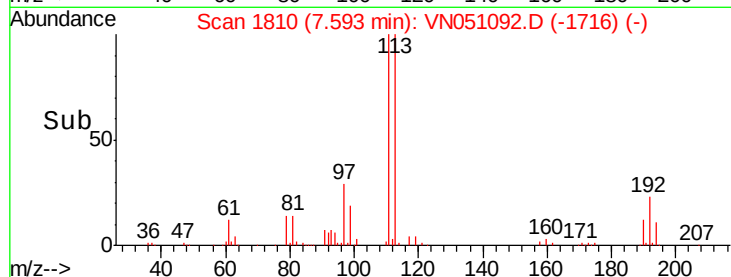
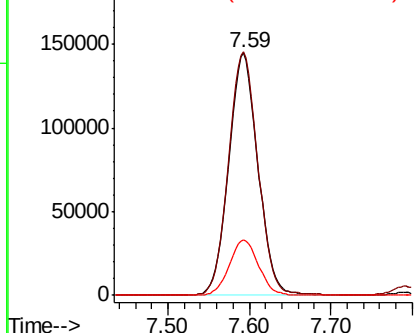
#35
 Dibromofluoromethane
 Concen: 50.81 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion:113 Resp: 362887
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.0 124.6
 192 22.9 18.7 28.1

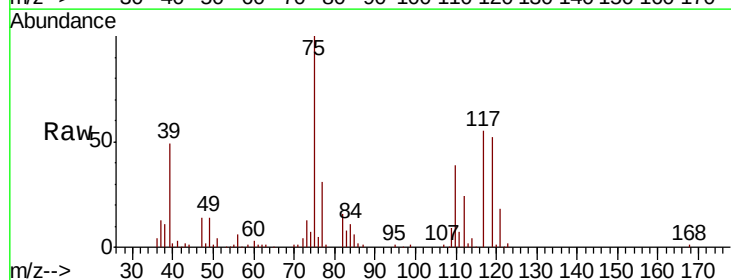


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

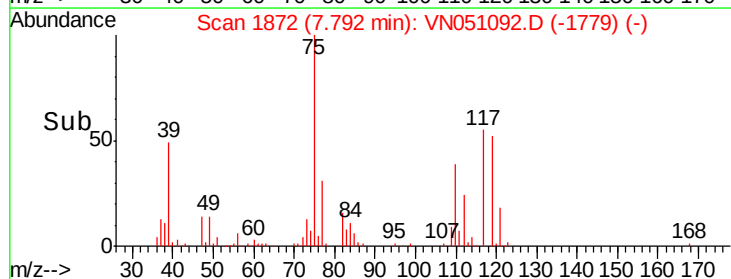
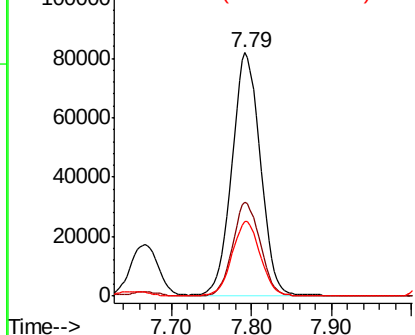


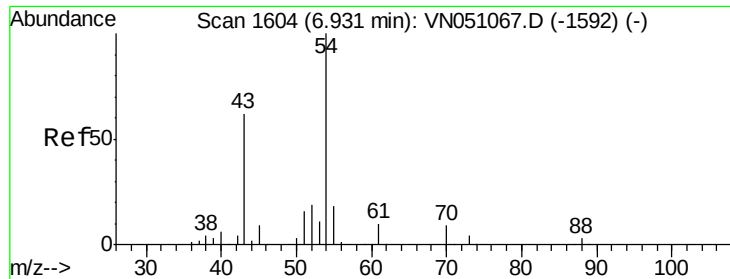
#36
 1,1-Dichloropropene
 Concen: 18.77 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion: 75 Resp: 195883
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.6 55.8
 77 30.9 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

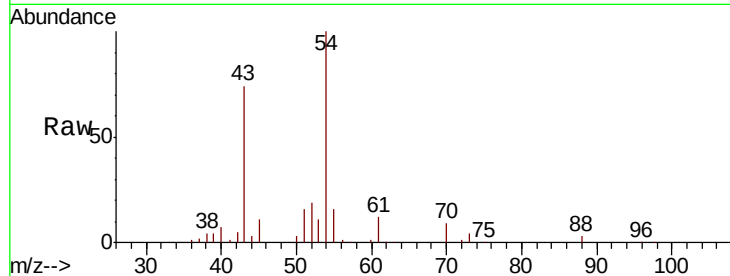




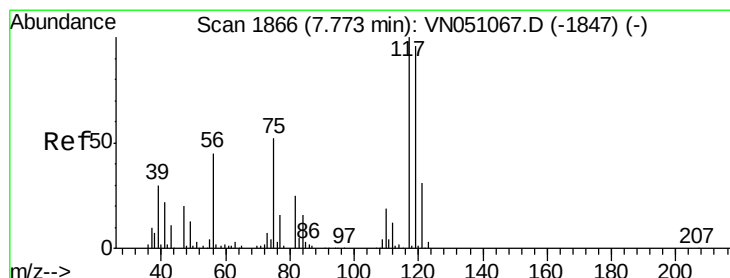
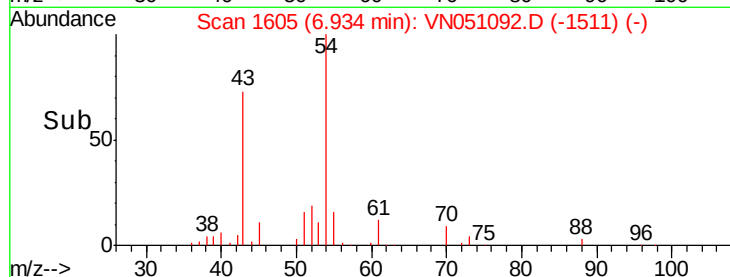
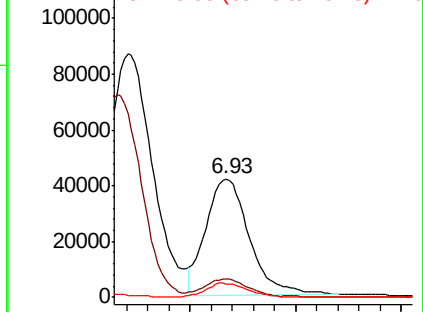
#37
Ethyl Acetate
Concen: 19.92 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion: 43 Resp: 120386
Ion Ratio Lower Upper
43 100
61 14.7 12.4 18.6
70 11.8 9.3 13.9

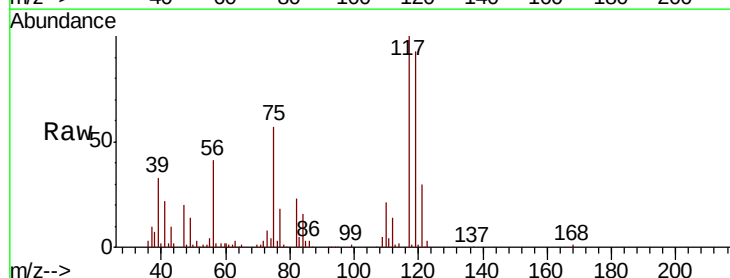


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

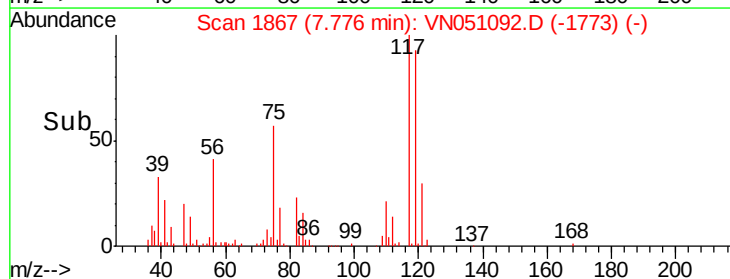
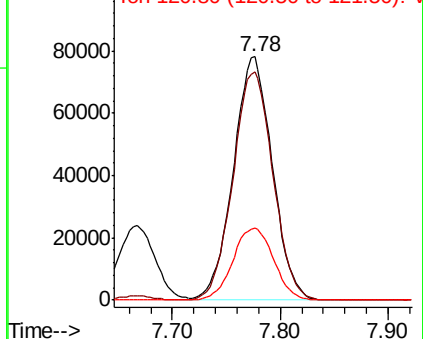


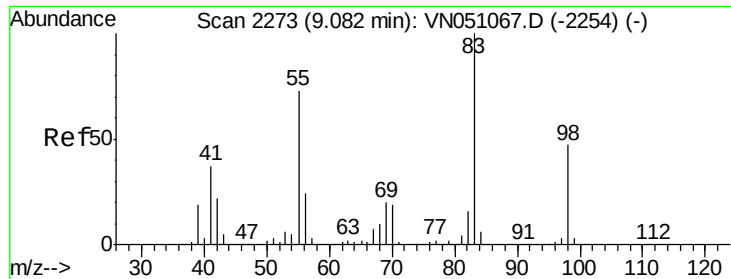
#38
Carbon Tetrachloride
Concen: 19.16 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 117 Resp: 196796
Ion Ratio Lower Upper
117 100
119 93.5 76.8 115.2
121 29.5 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

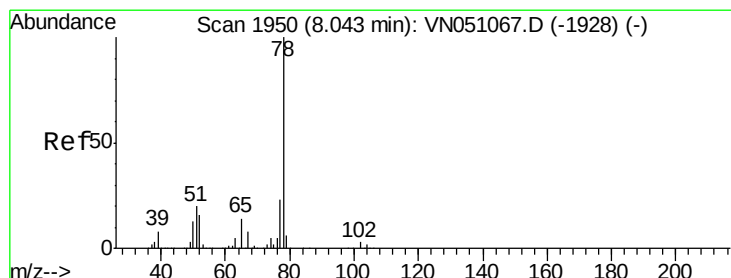
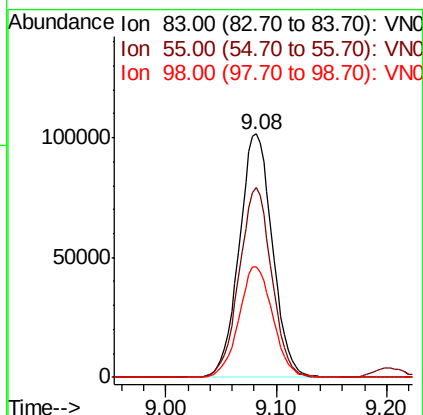
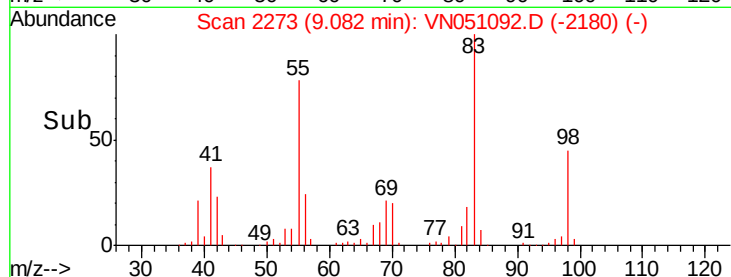
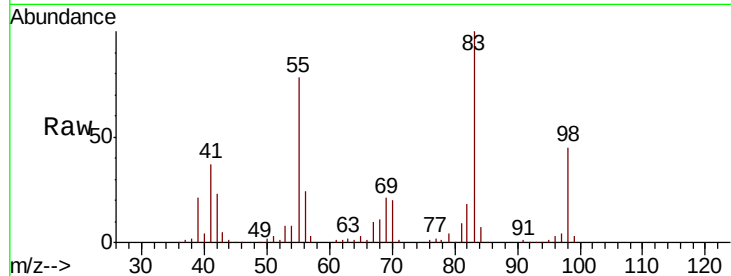




#39
Methylvlcyclohexane
Concen: 18.39 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

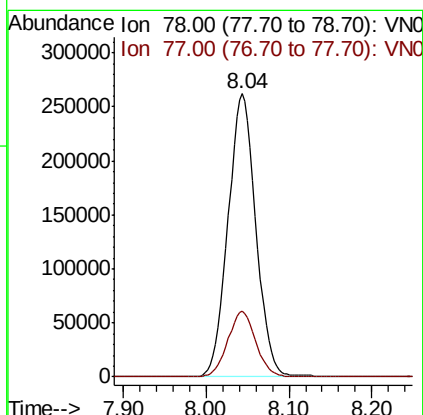
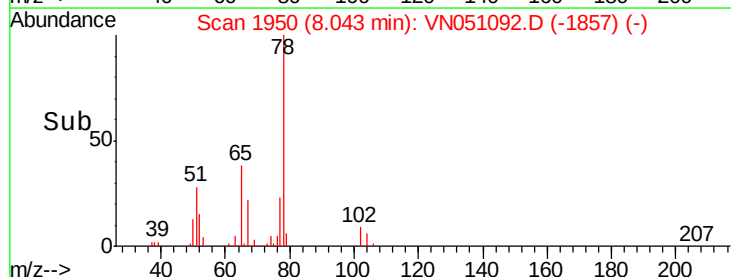
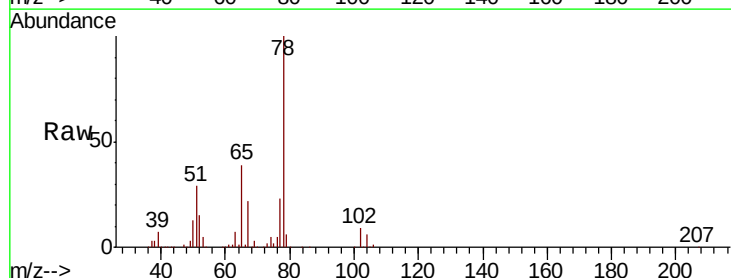
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

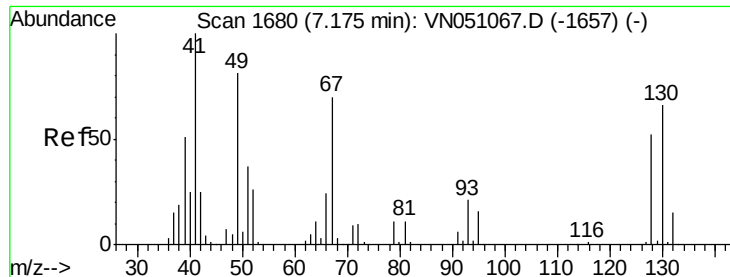
Tot Ion: 83 Resp: 211744
Ion Ratio Lower Upper
83 100
55 77.8 58.4 87.6
98 45.3 37.3 55.9



#40
Benzene
Concen: 19.51 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 78 Resp: 613339
Ion Ratio Lower Upper
78 100
77 23.1 18.6 27.8





#41

Methacrylonitrile

Concen: 19.90 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

Tot Ion: 41 Resp: 62041

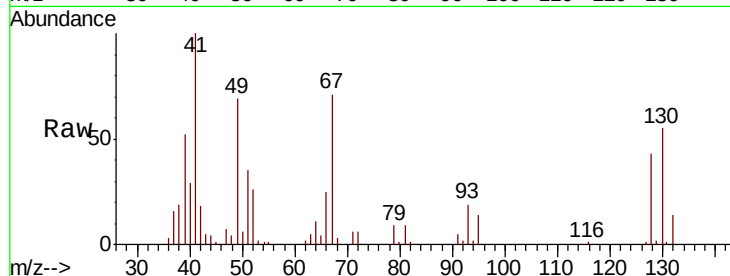
Ion Ratio Lower Upper

41 100

39 57.7 51.3 76.9

67 88.3 78.5 117.7

52 34.4 29.0 43.6



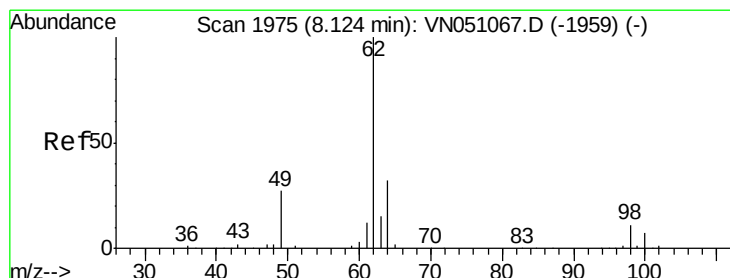
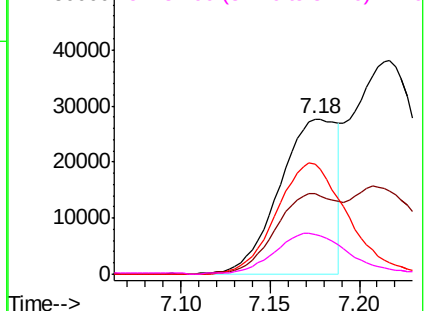
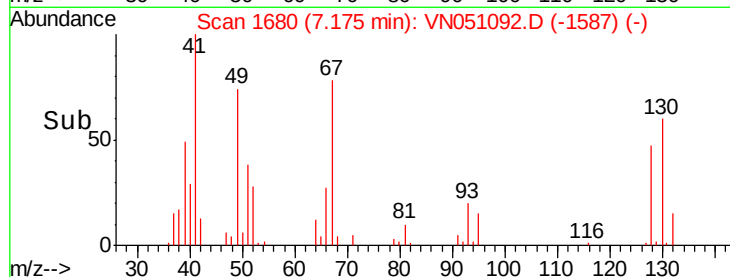
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.68 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051092.D

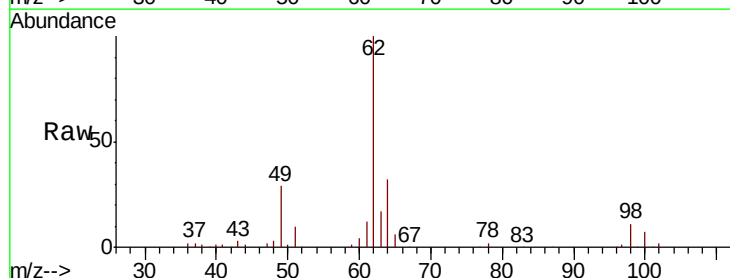
Acq: 10 Sep 2018 21:54

Tgt Ion: 62 Resp: 180364

Ion Ratio Lower Upper

62 100

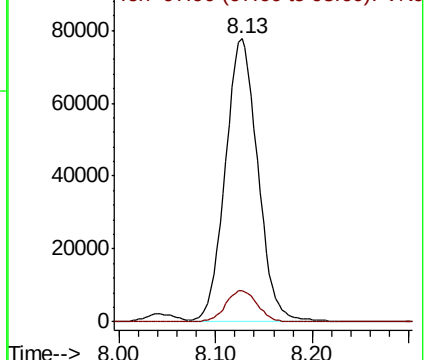
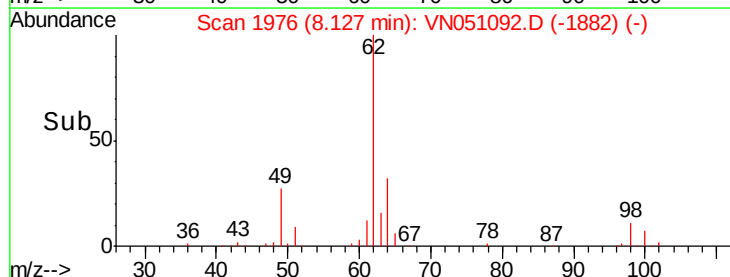
98 10.8 0.0 21.0

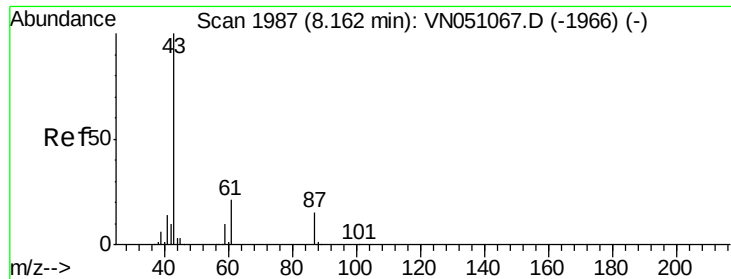


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.75 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

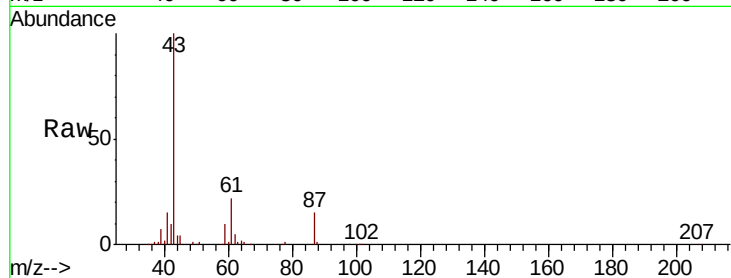
Tot Ion: 43 Resp: 210602

Ion Ratio Lower Upper

43 100

61 31.3 25.0 37.6

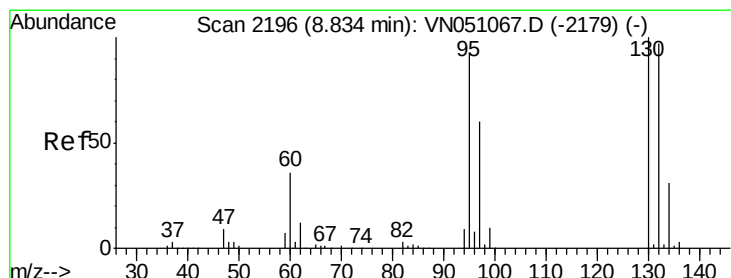
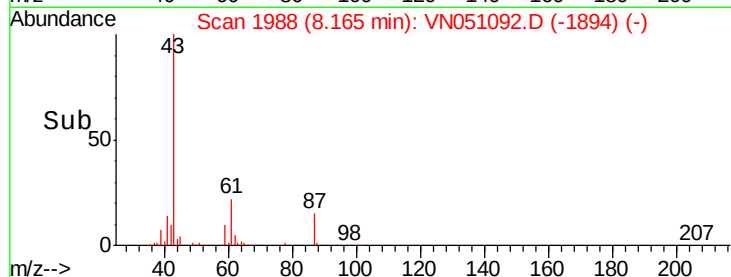
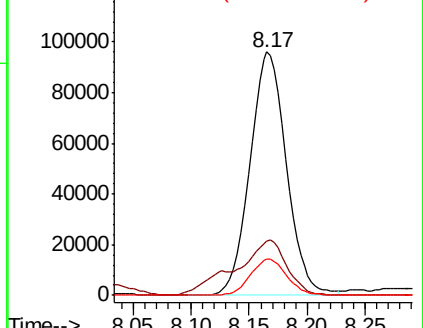
87 14.8 11.8 17.8



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) (-)



#44

Trichloroethene

Concen: 18.87 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051092.D

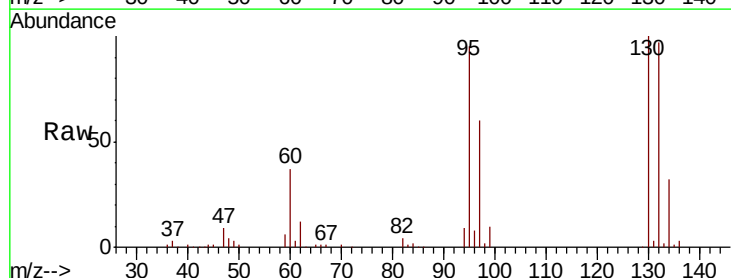
Acq: 10 Sep 2018 21:54

Tgt Ion: 130 Resp: 162324

Ion Ratio Lower Upper

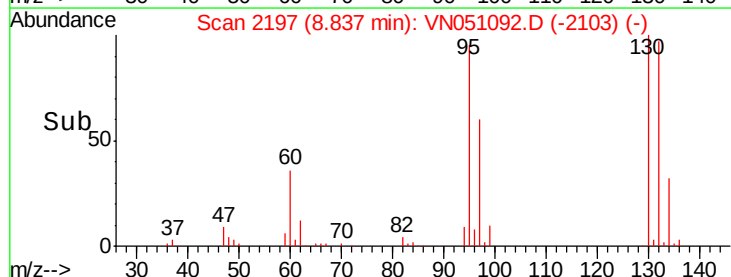
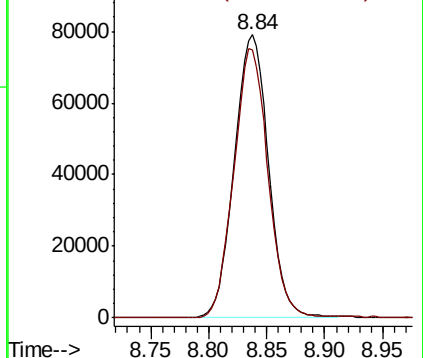
130 100

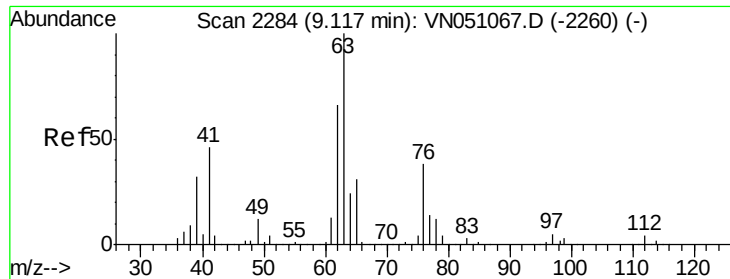
95 94.8 0.0 186.2



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

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

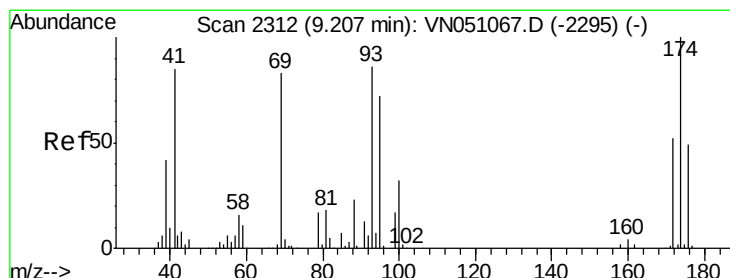
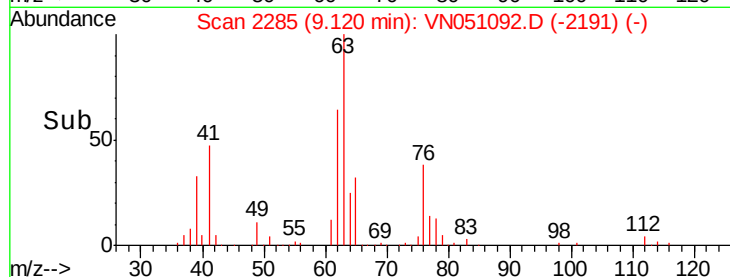
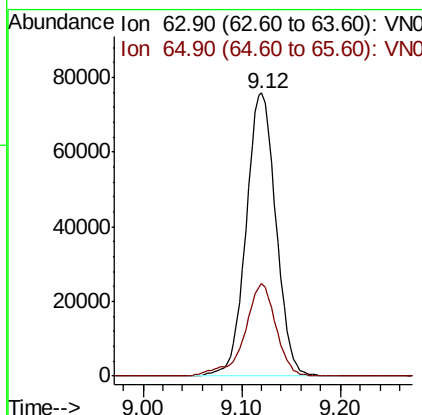
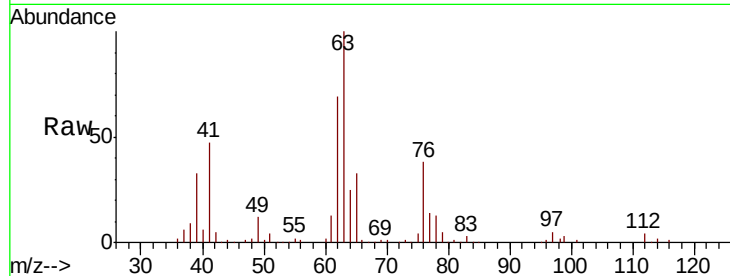




#45
 1,2-Dichloropropane
 Concen: 19.46 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

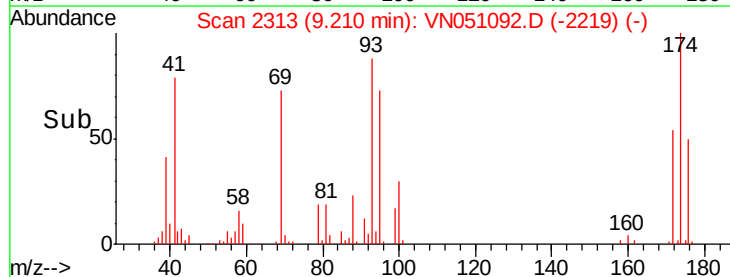
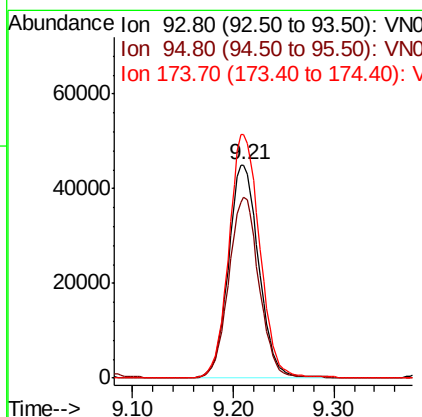
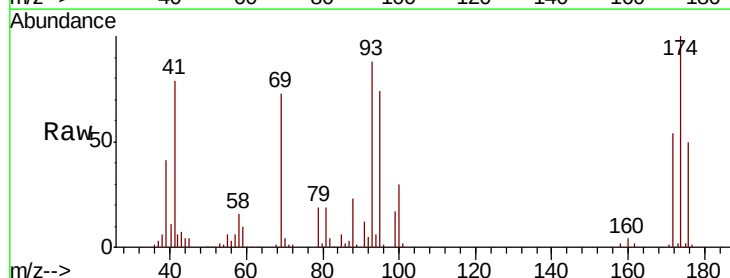
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

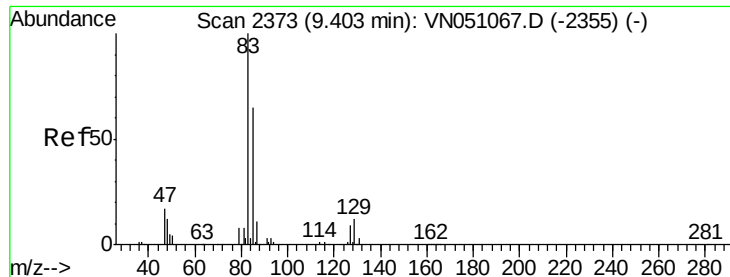
Tot Ion: 63 Resp: 158105
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.7 37.1



#46
 Dibromomethane
 Concen: 19.06 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion: 93 Resp: 94478
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.8 100.2
 174 116.3 93.3 139.9





#47

Bromodichloromethane

Concen: 19.39 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

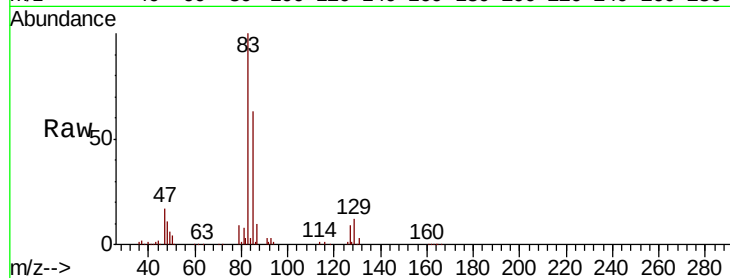
Tot Ion: 83 Resp: 195462

Ion Ratio Lower Upper

83 100

85 63.3 52.3 78.5

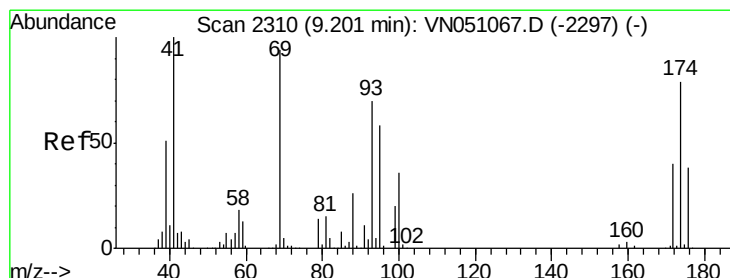
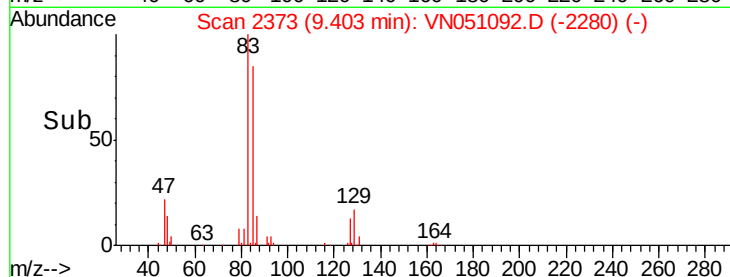
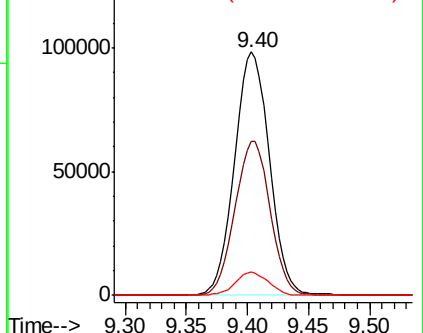
127 9.4 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.30 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

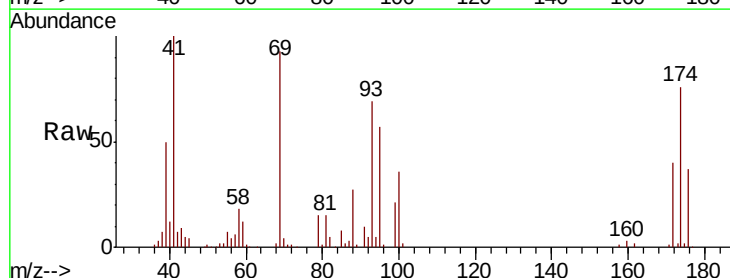
Tgt Ion: 41 Resp: 100274

Ion Ratio Lower Upper

41 100

69 96.7 77.7 116.5

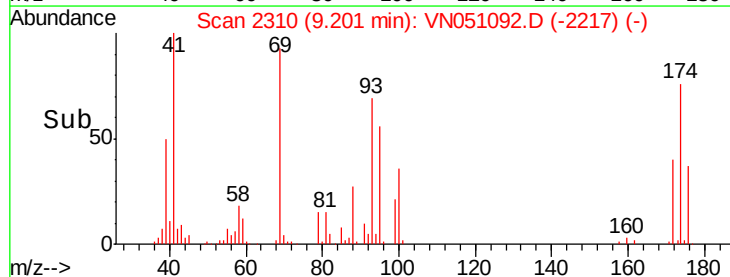
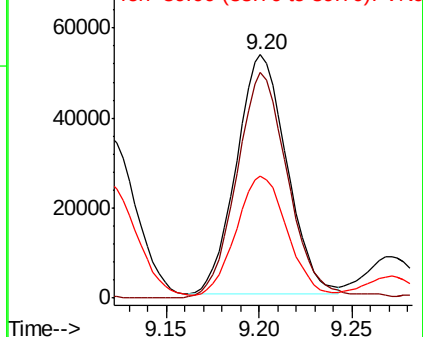
39 52.4 41.6 62.4

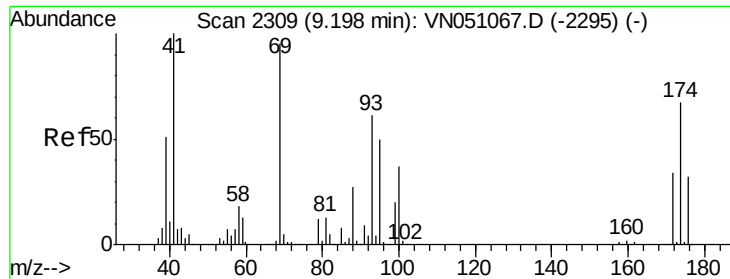


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

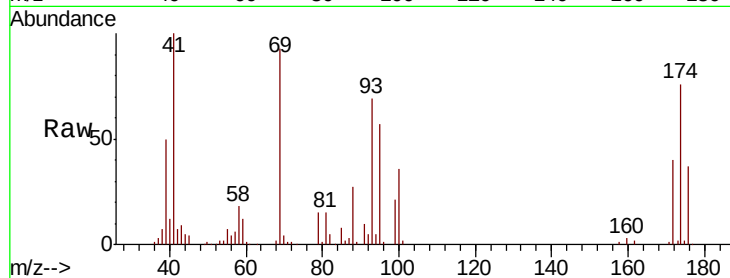




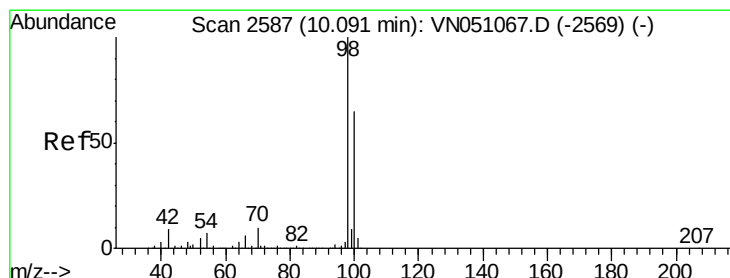
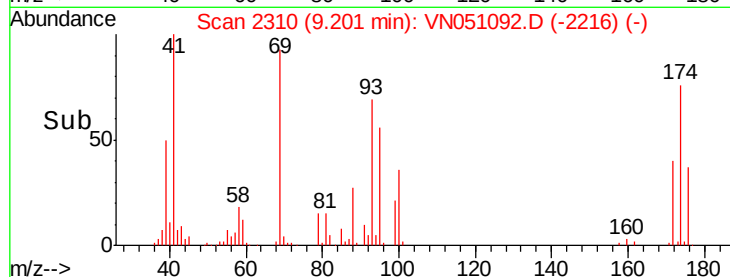
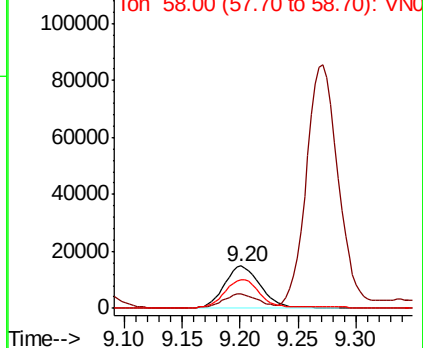
#49
 1,4-Dioxane
 Concen: 399.03 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion: 88 Resp: 32515
 Ion Ratio Lower Upper
 88 100
 43 30.0 23.7 35.5
 58 65.4 54.6 82.0

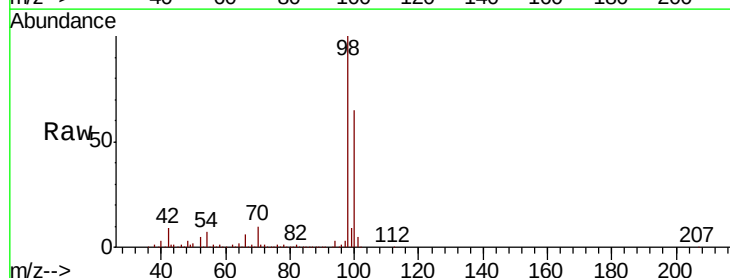


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

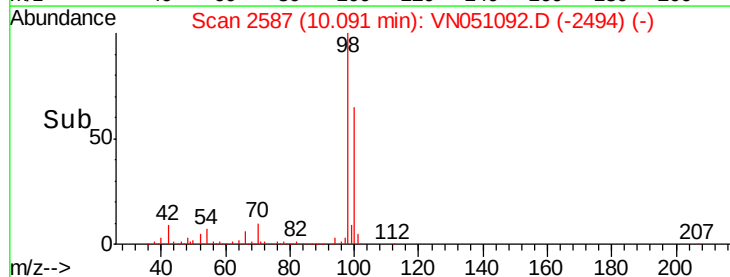
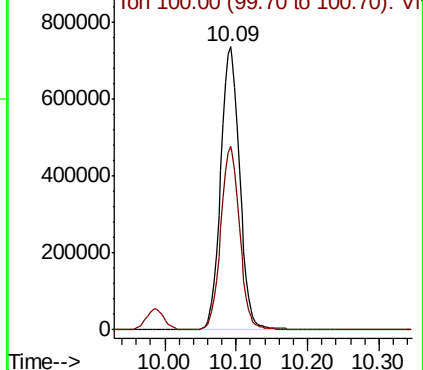


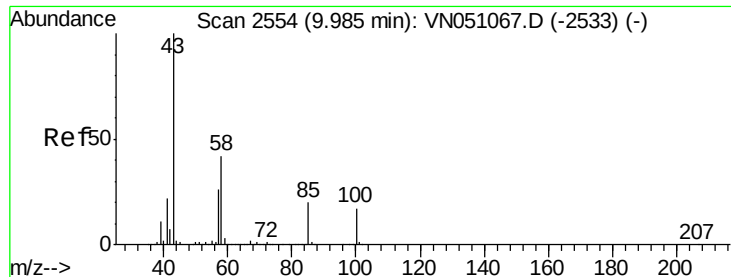
#50
 Toluene-d8
 Concen: 50.22 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion: 98 Resp: 1360860
 Ion Ratio Lower Upper
 98 100
 100 64.3 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

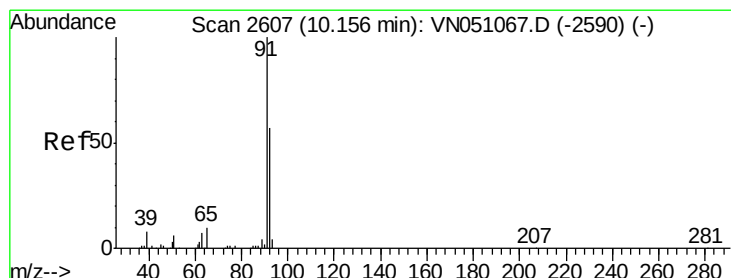
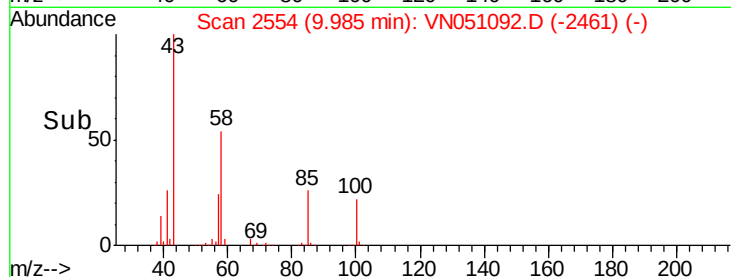
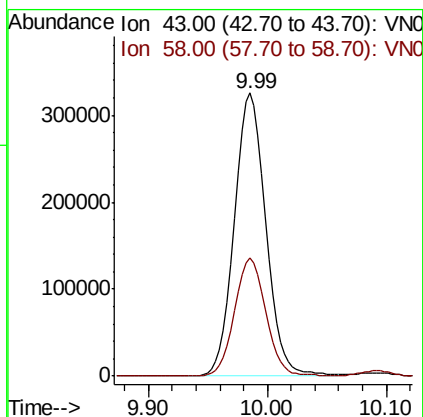
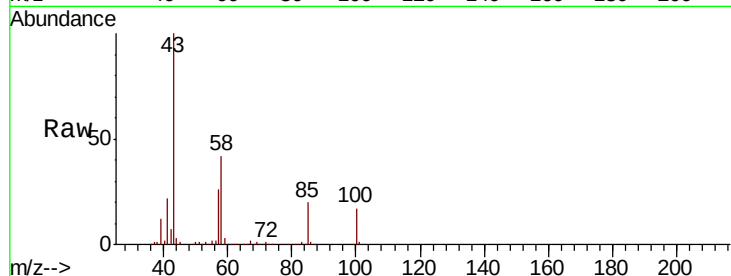




#51
4-Methyl-2-Pentanone
Concen: 101.28 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

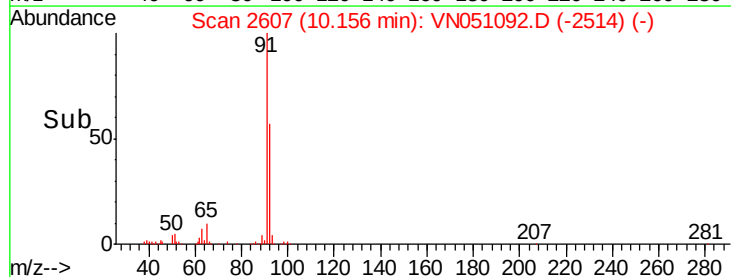
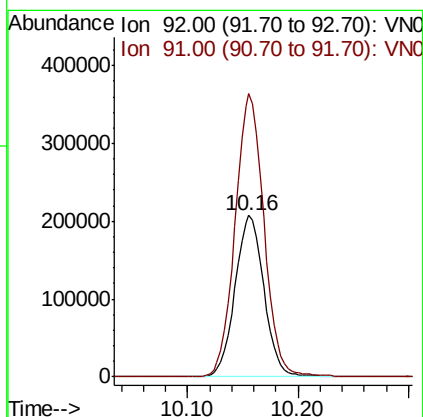
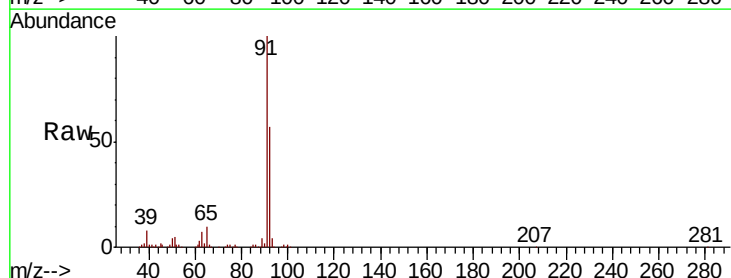
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

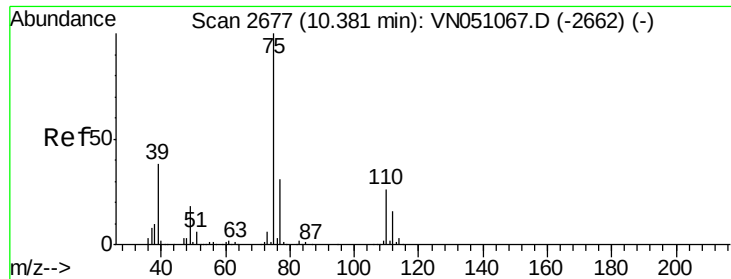
Tot Ion: 43 Resp: 597236
Ion Ratio Lower Upper
43 100
58 41.5 33.5 50.3



#52
Toluene
Concen: 19.68 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 92 Resp: 377335
Ion Ratio Lower Upper
92 100
91 174.7 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 18.31 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

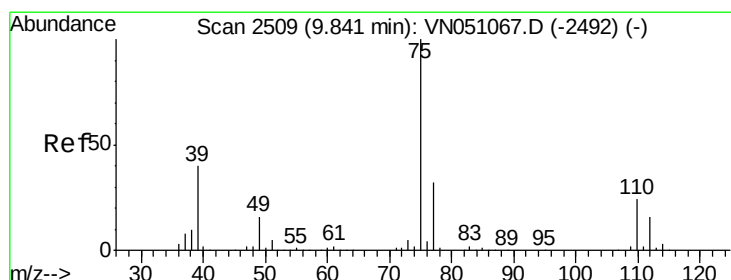
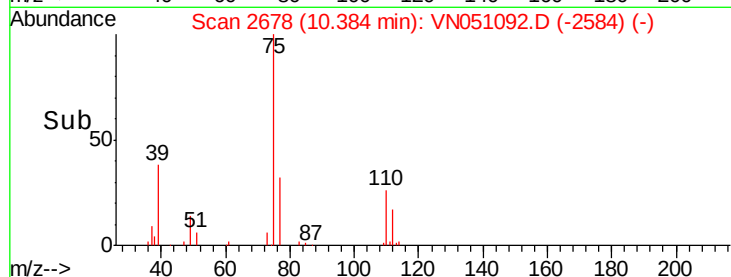
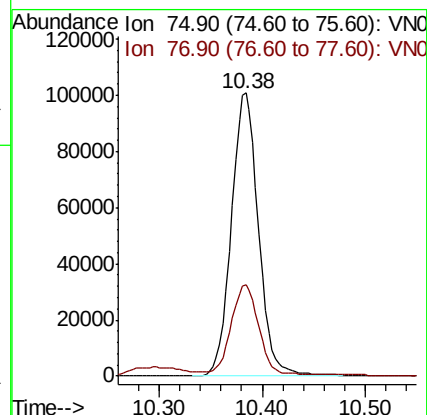
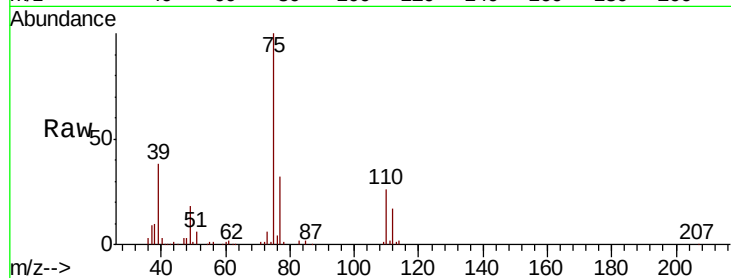
VN0910MBS02

Tot Ion: 75 Resp: 184685

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 18.67 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

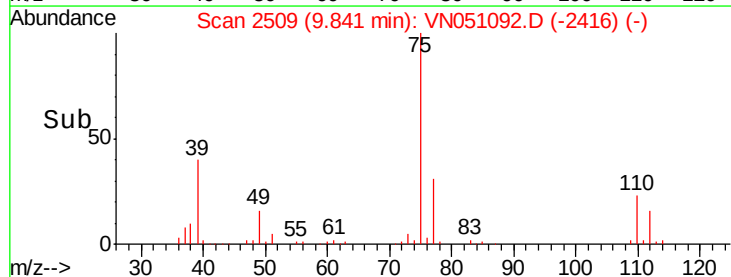
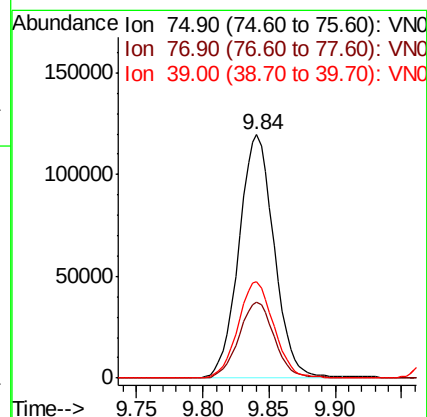
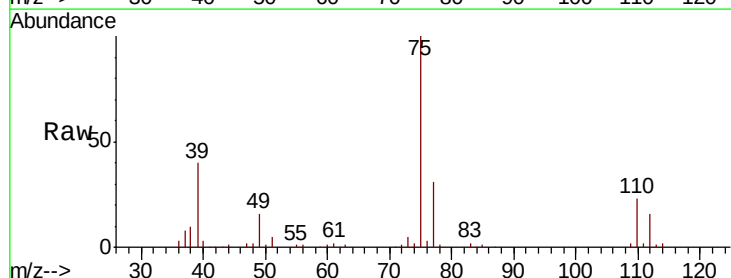
Tgt Ion: 75 Resp: 220886

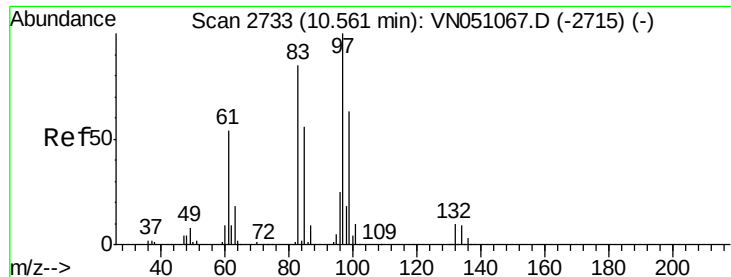
Ion Ratio Lower Upper

75 100

77 31.2 25.7 38.5

39 39.6 31.9 47.9





#55

1,1,2-Trichloroethane

Concen: 19.93 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS02

Tot Ion: 97 Resp: 138834

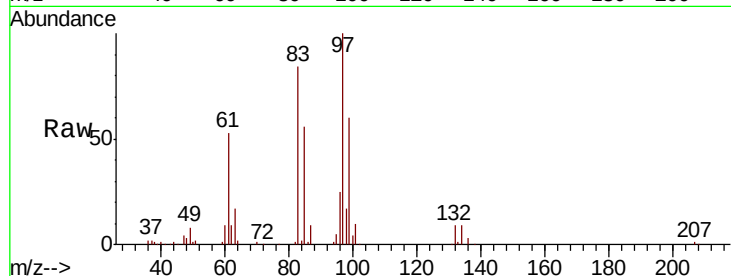
Ion Ratio Lower Upper

97 100

83 84.5 68.2 102.2

85 56.1 44.8 67.2

99 60.1 50.2 75.4



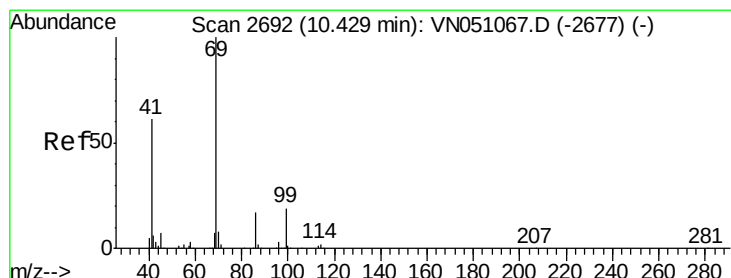
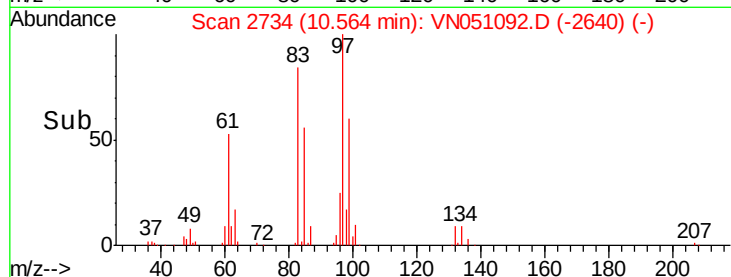
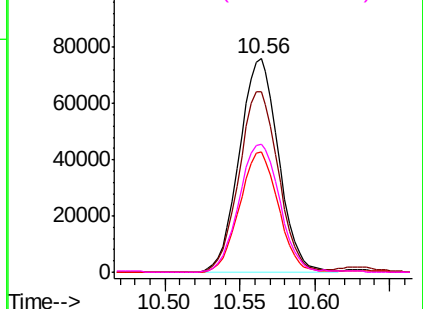
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.19 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

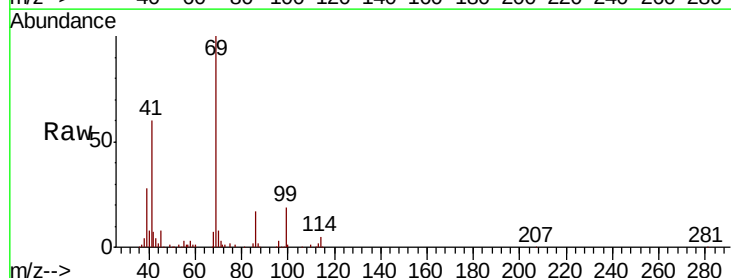
Tgt Ion: 69 Resp: 164463

Ion Ratio Lower Upper

69 100

41 59.6 47.8 71.8

39 26.6 23.0 34.4

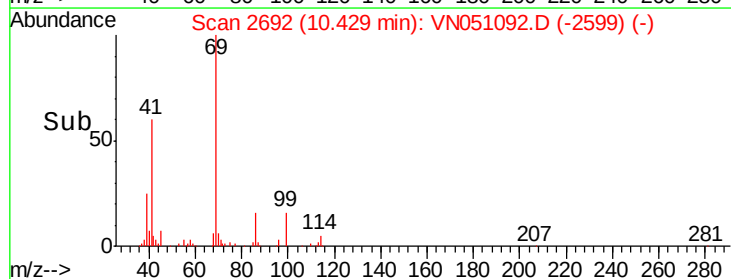
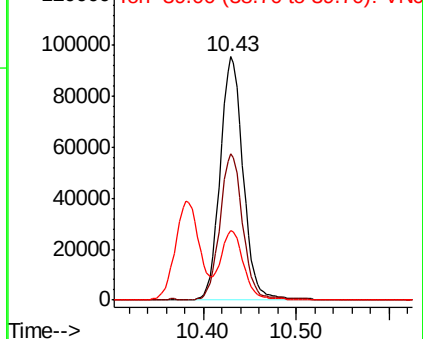


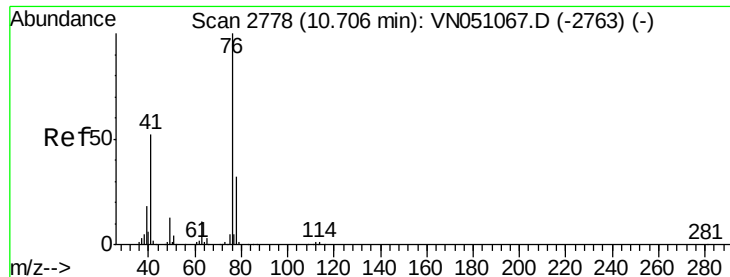
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.83 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

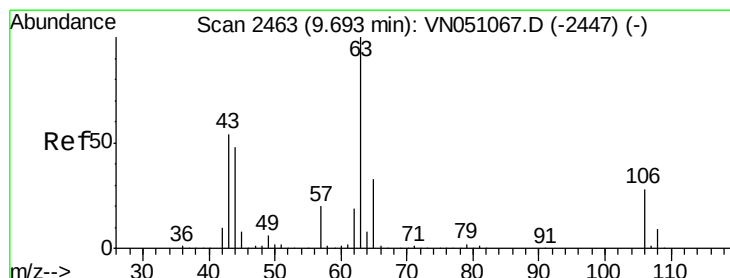
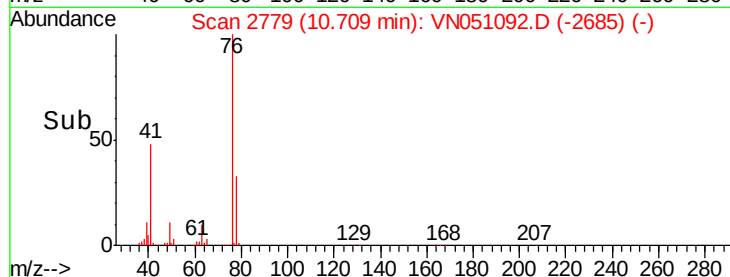
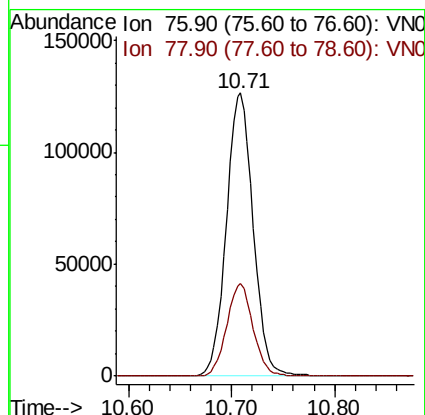
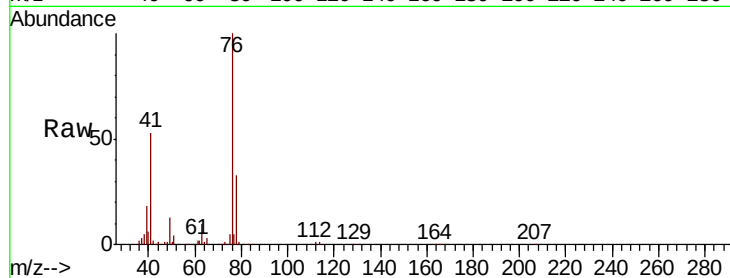
VN0910MBS02

Tot Ion: 76 Resp: 228914

Ion Ratio Lower Upper

76 100

78 32.0 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 94.45 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051092.D

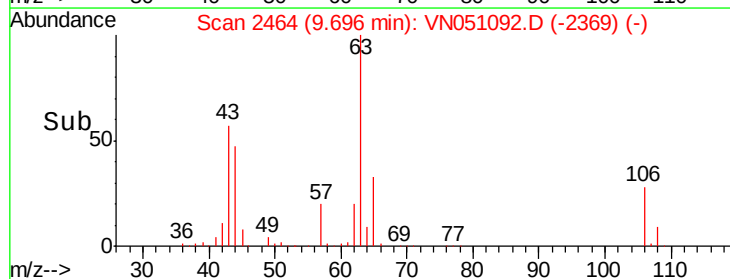
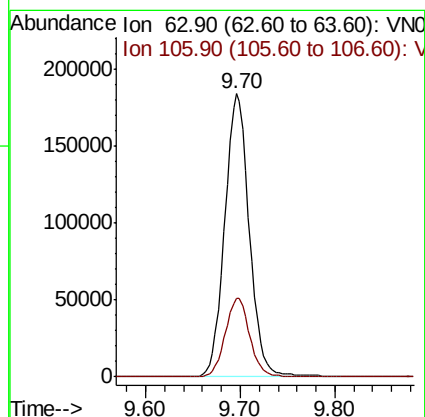
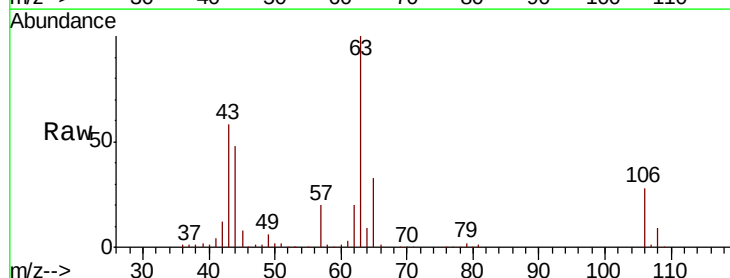
Acq: 10 Sep 2018 21:54

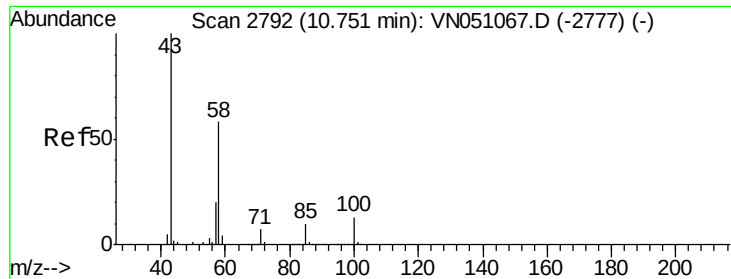
Tgt Ion: 63 Resp: 331440

Ion Ratio Lower Upper

63 100

106 27.8 22.5 33.7

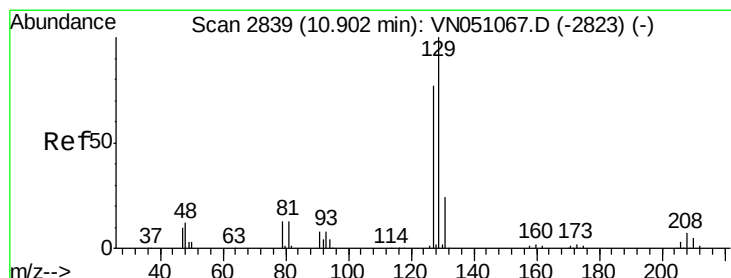
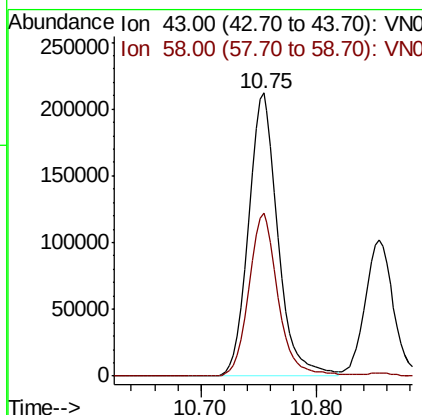
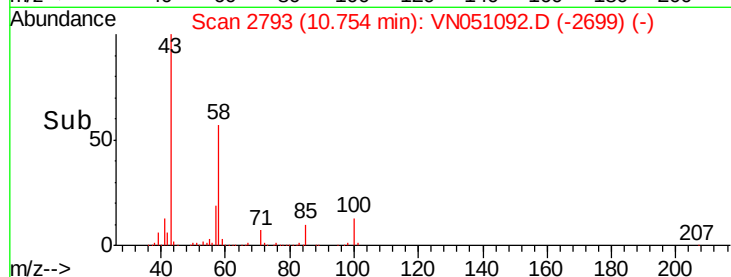
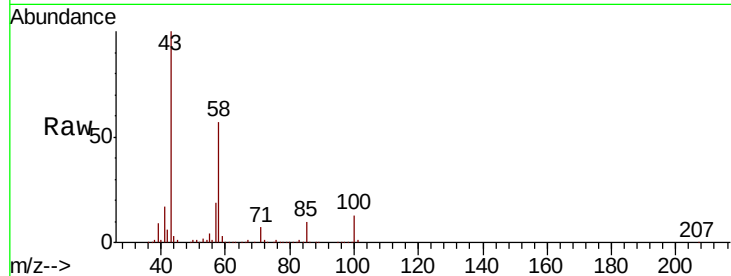




#59
2-Hexanone
Concen: 93.72 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

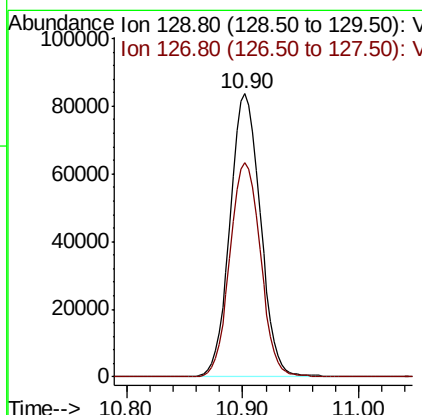
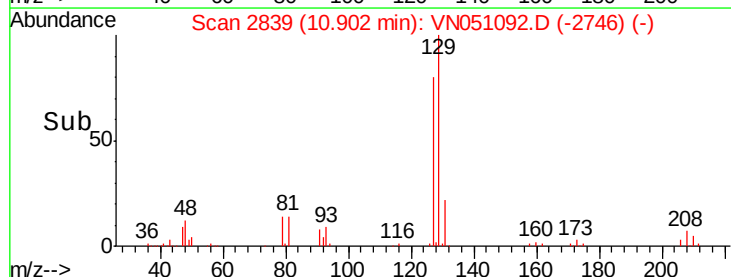
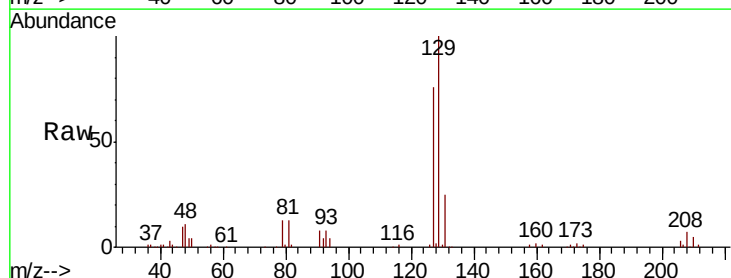
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

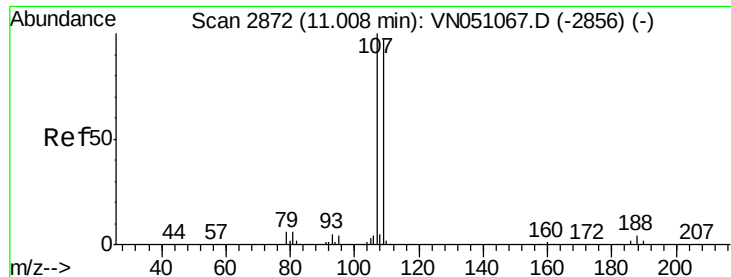
Tot Ion: 43 Resp: 374804
Ion Ratio Lower Upper
43 100
58 57.3 29.3 88.0



#60
Dibromochloromethane
Concen: 19.43 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 129 Resp: 152523
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.40 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

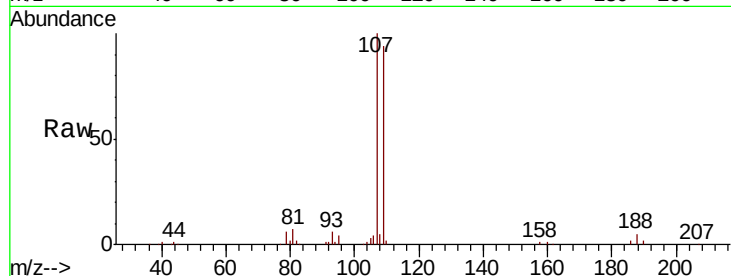
VN0910MBS02

Tot Ion:107 Resp: 132052

Ion Ratio Lower Upper

107 100

109 94.6 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

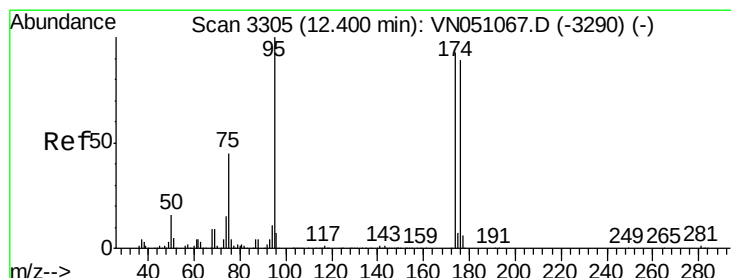
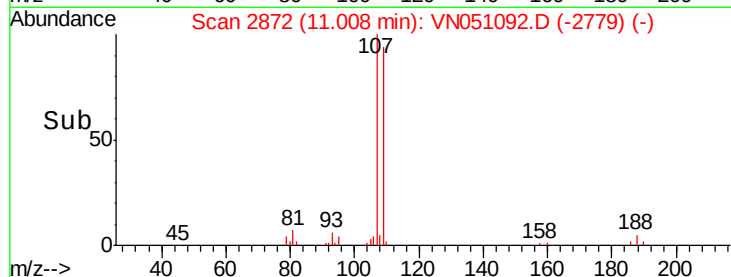
40000

20000

0

Time--> 10.90 11.00 11.10

11.01



#62

4-Bromofluorobenzene

Concen: 47.55 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

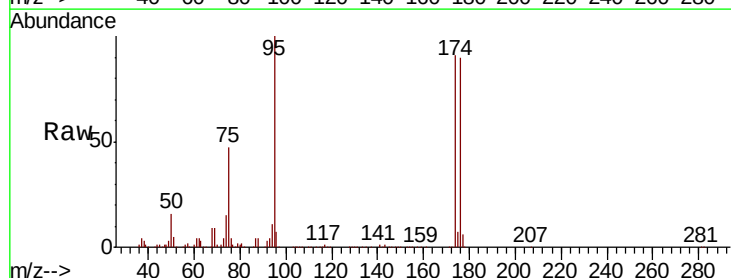
Tgt Ion: 95 Resp: 426276

Ion Ratio Lower Upper

95 100

174 92.0 0.0 184.8

176 89.5 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

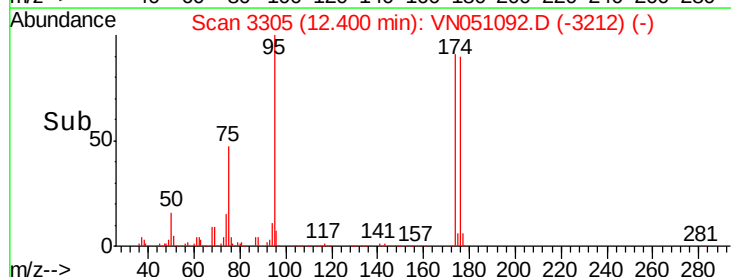
200000

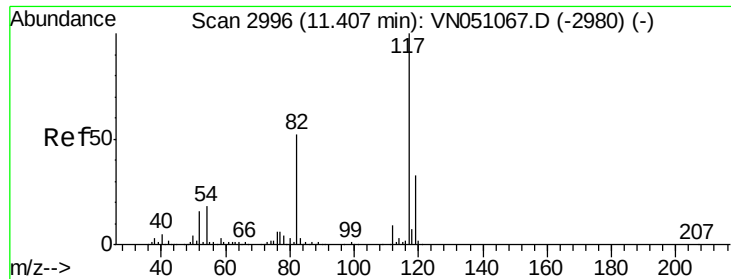
100000

0

Time--> 12.35 12.40 12.45

12.40

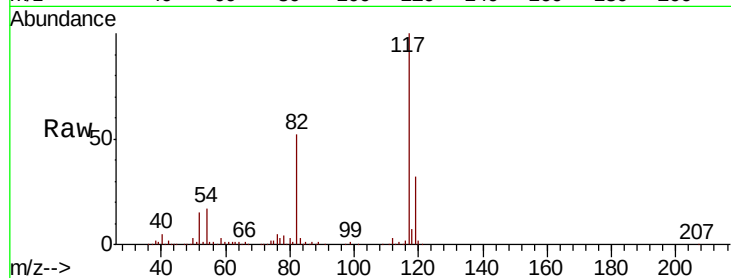




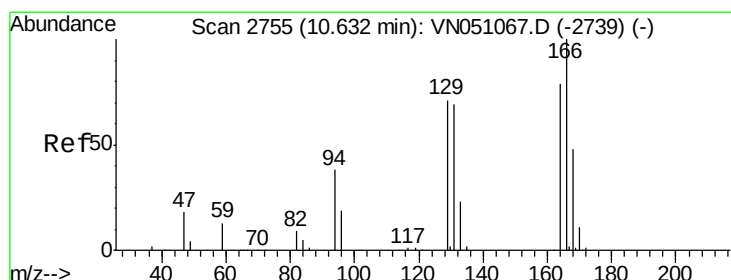
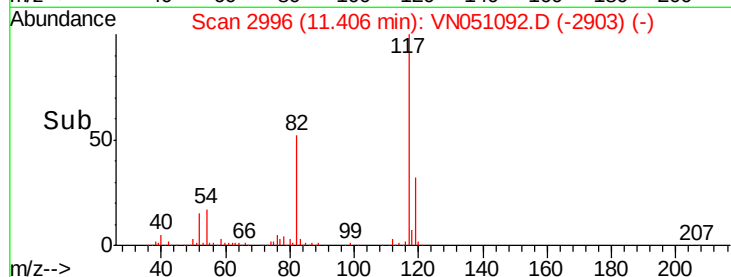
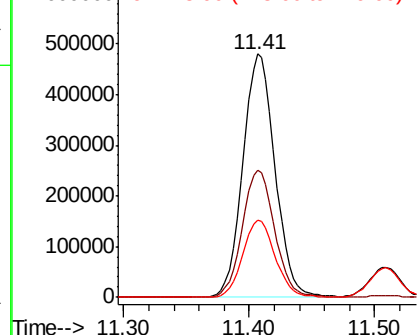
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Tot Ion:117 Resp: 854167
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.6
119 31.8 26.2 39.2

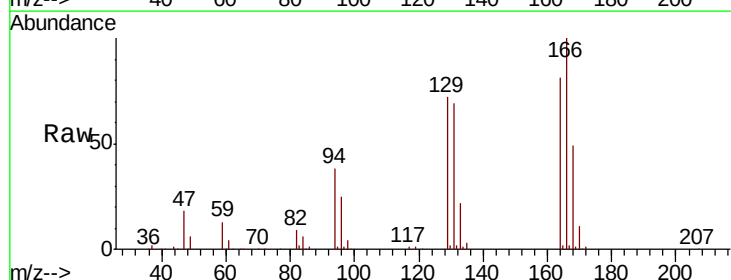


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

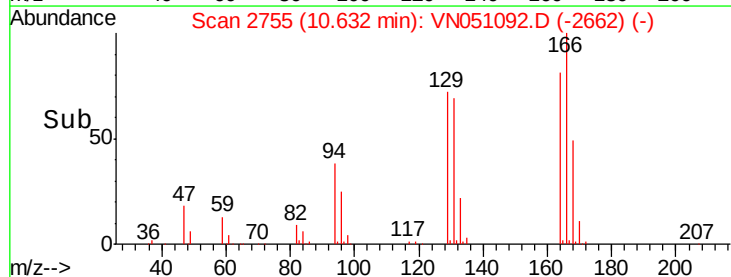
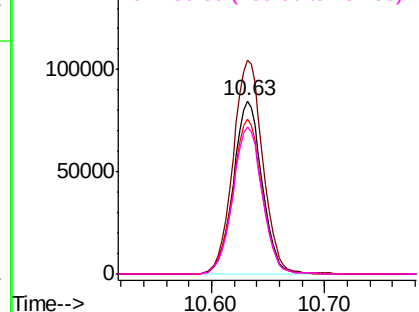


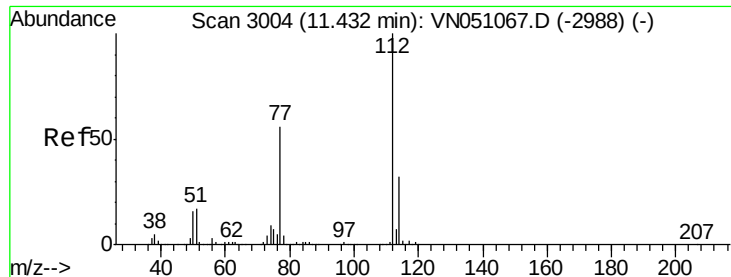
#64
Tetrachloroethene
Concen: 19.17 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion:164 Resp: 149417
Ion Ratio Lower Upper
164 100
166 123.6 101.3 151.9
129 89.5 72.2 108.2
131 84.8 70.2 105.2



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

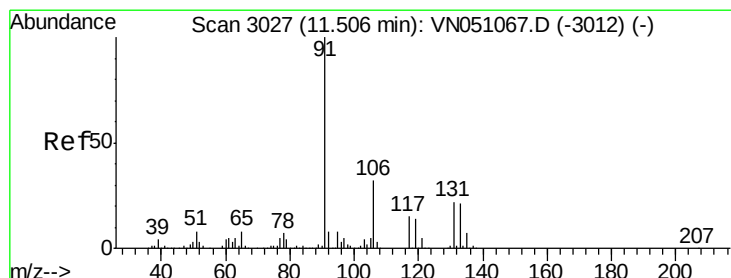
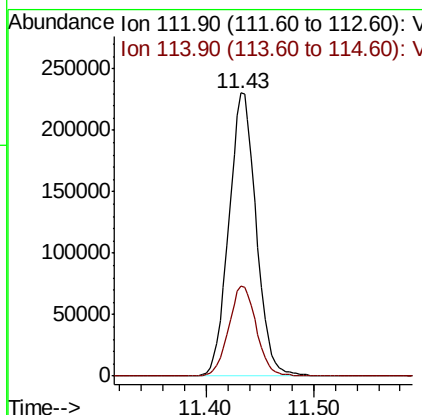
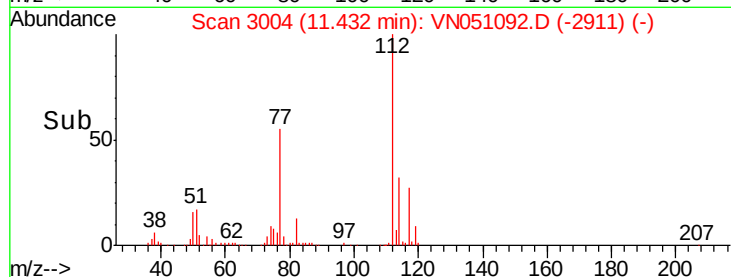
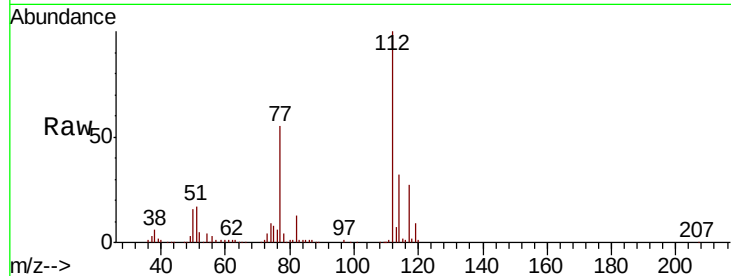




#65
Chlorobenzene
Concen: 18.91 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

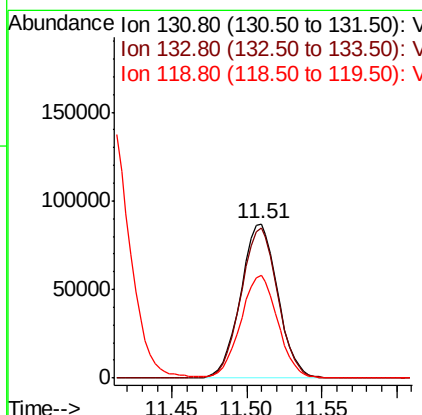
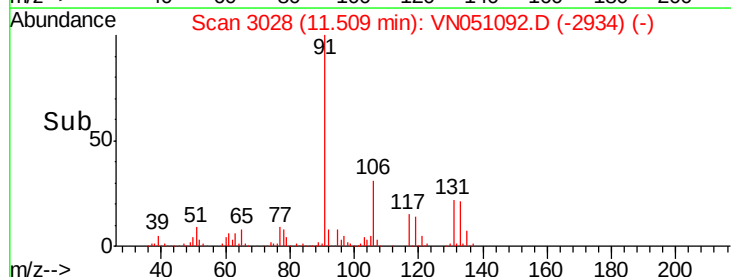
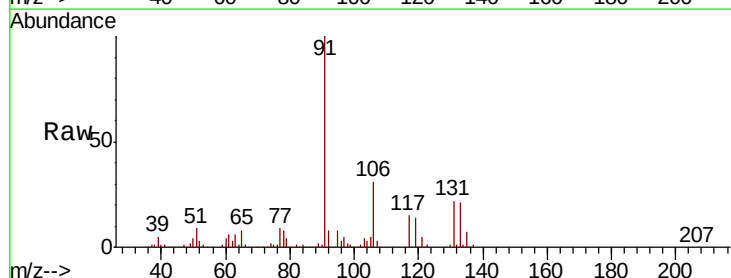
Instrument :
MSVOA_N
ClientSampled :
VN0910MBS02

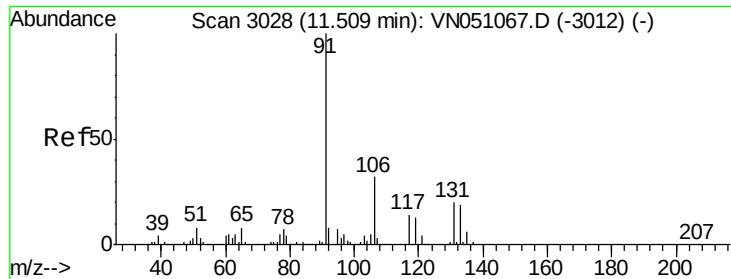
Tot Ion:112 Resp: 407206
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.42 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion:131 Resp: 150579
Ion Ratio Lower Upper
131 100
133 96.6 47.5 142.6
119 66.7 33.2 99.6





#67

Ethyl Benzene

Concen: 19.26 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

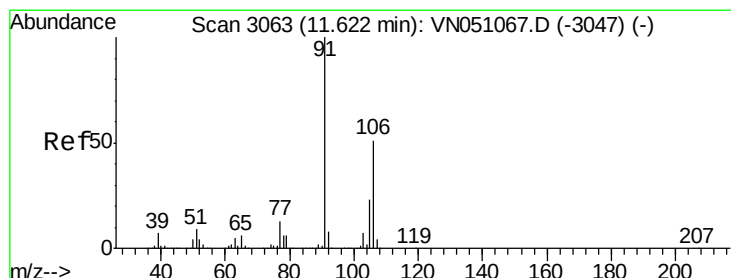
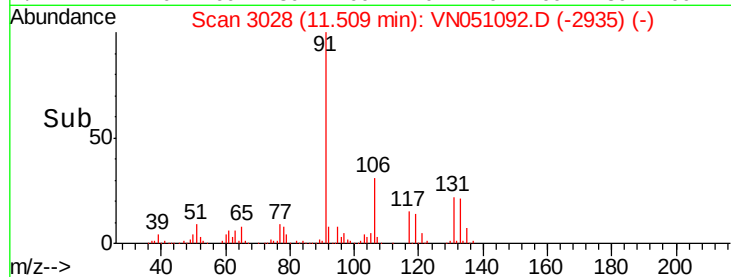
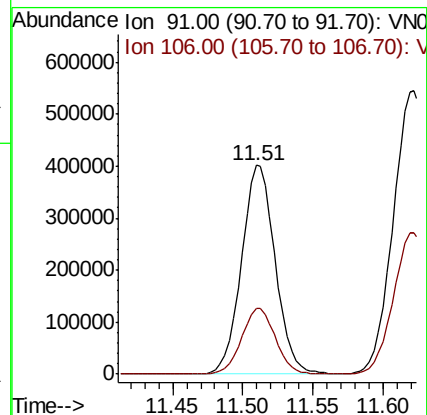
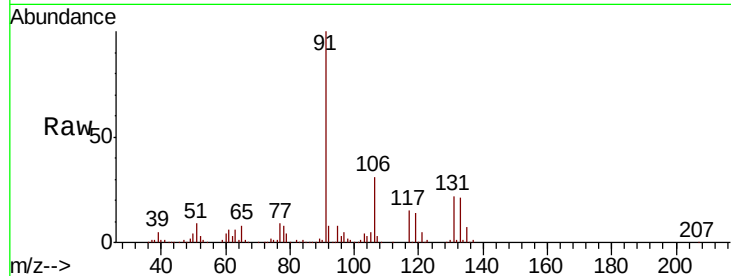
VN0910MBS02

Tot Ion: 91 Resp: 671478

Ion Ratio Lower Upper

91 100

106 31.4 25.4 38.2



#68

m/p-Xylenes

Concen: 39.35 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051092.D

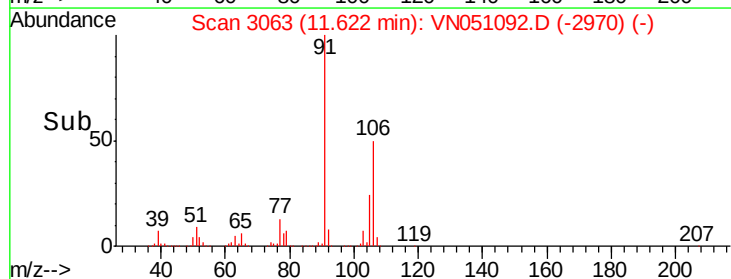
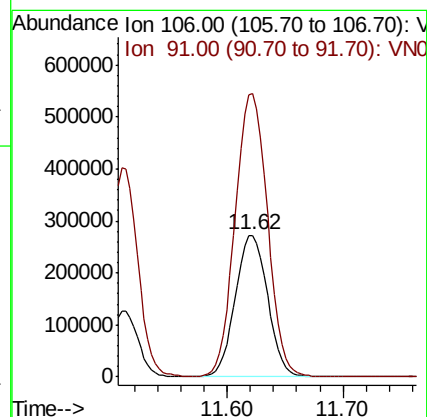
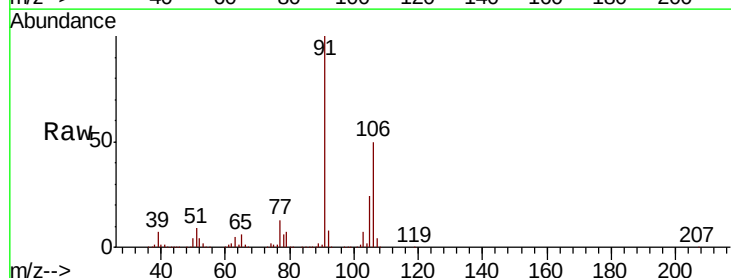
Acq: 10 Sep 2018 21:54

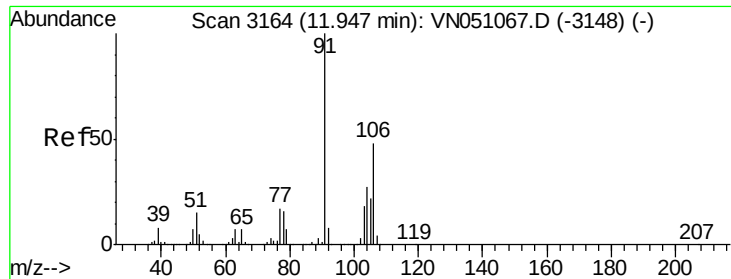
Tgt Ion: 106 Resp: 527121

Ion Ratio Lower Upper

106 100

91 200.5 159.8 239.6

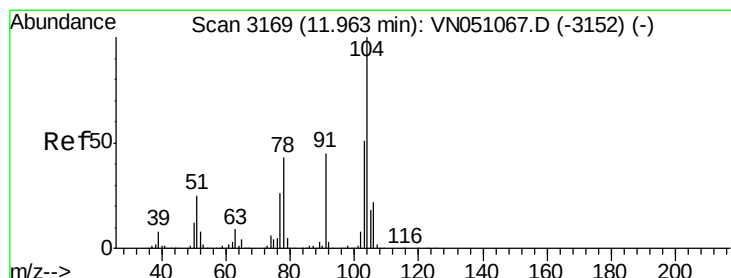
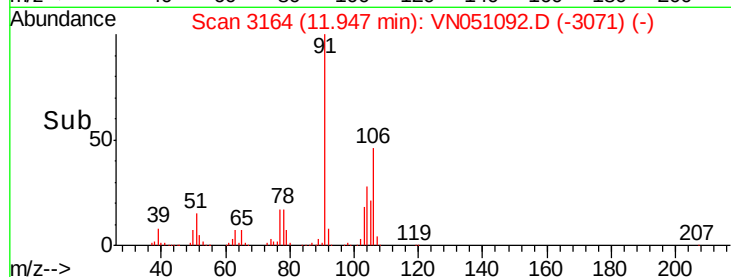
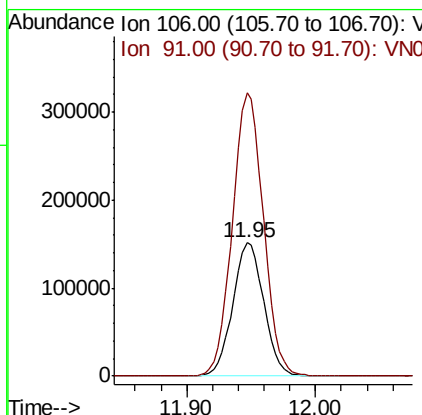
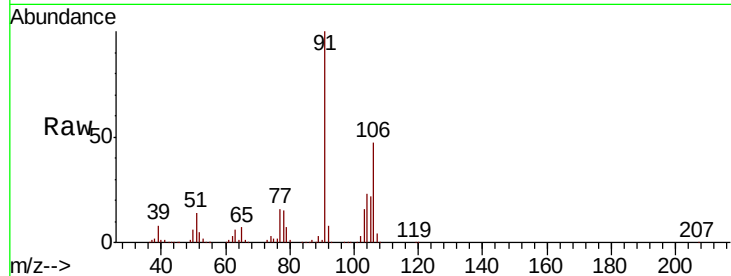




#69
o-Xylene
Concen: 19.48 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

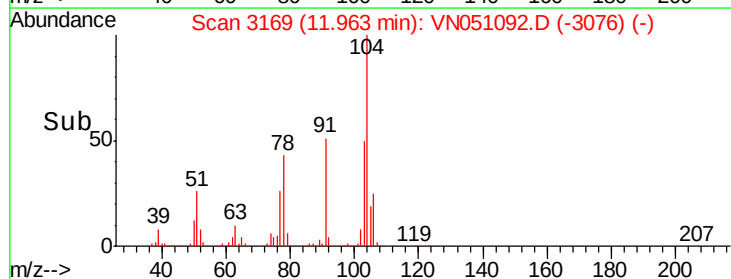
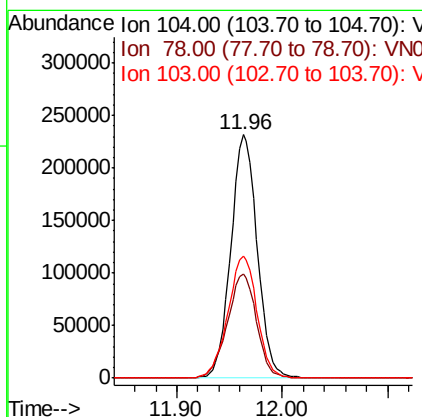
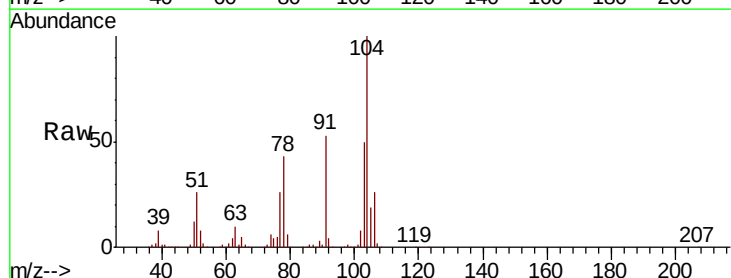
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

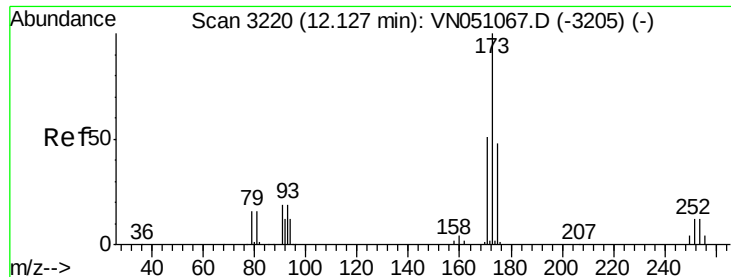
Tot Ion:106 Resp: 252707
Ion Ratio Lower Upper
106 100
91 212.7 105.1 315.1



#70
Styrene
Concen: 19.93 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion:104 Resp: 401019
Ion Ratio Lower Upper
104 100
78 47.2 37.7 56.5
103 55.3 44.6 67.0

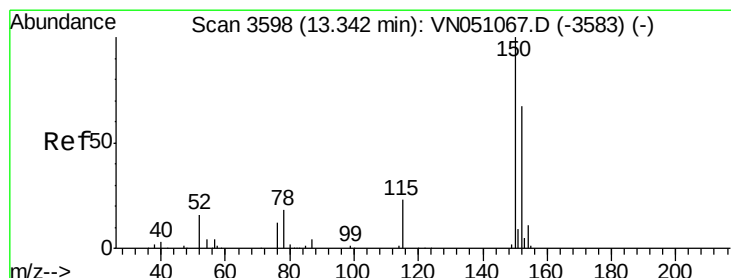
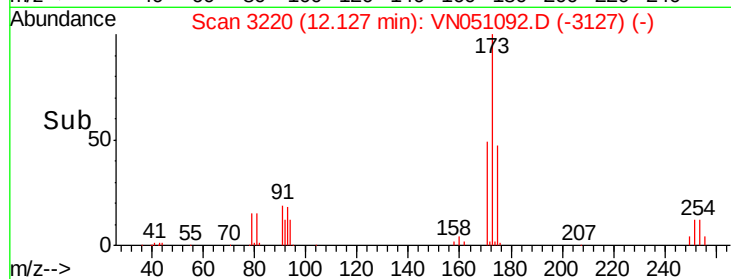
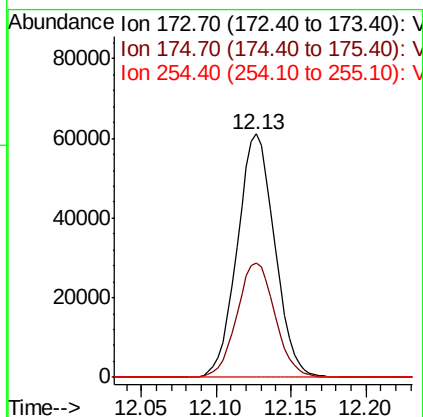
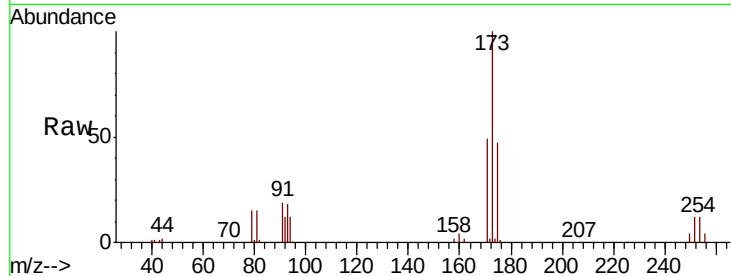




#71
Bromoform
Concen: 19.47 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

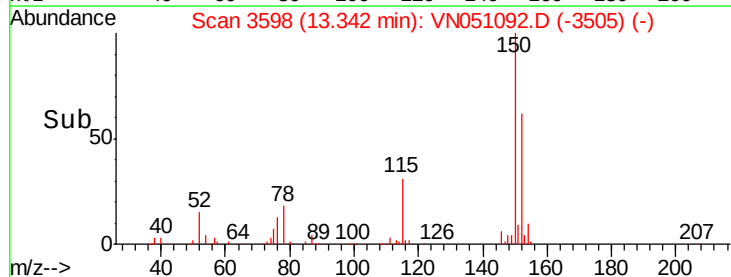
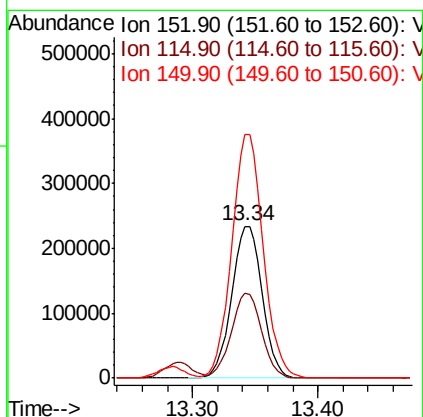
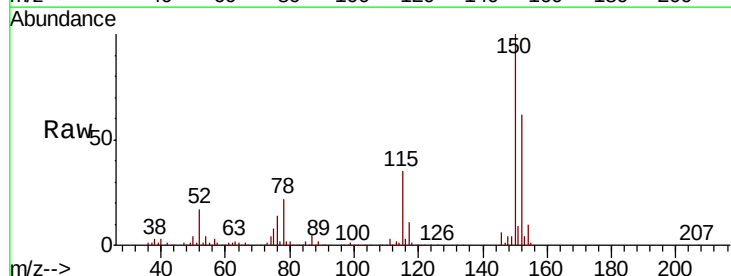
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

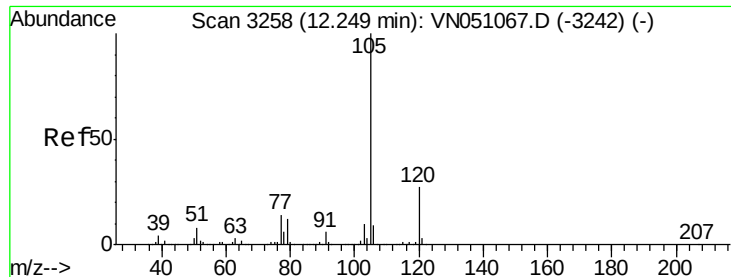
Tot Ion:173 Resp: 106269
Ion Ratio Lower Upper
173 100
175 47.8 24.3 72.9
254 0.0 0.0 0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion:152 Resp: 393971
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.7
150 165.1 0.0 349.0





#73

Isopropylbenzene

Concen: 20.22 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

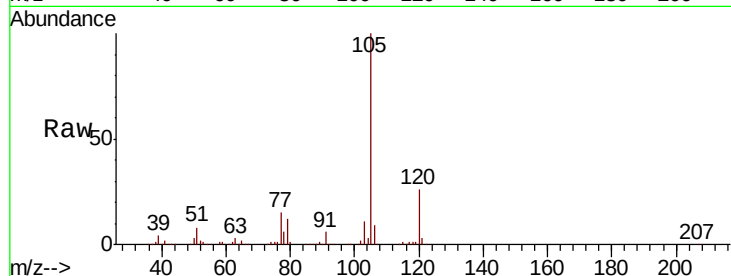
VN0910MBS02

Tot Ion:105 Resp: 667938

Ion Ratio Lower Upper

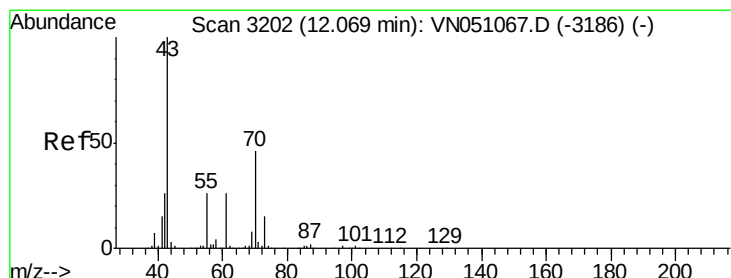
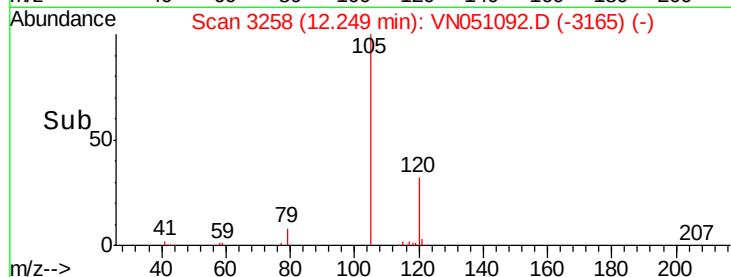
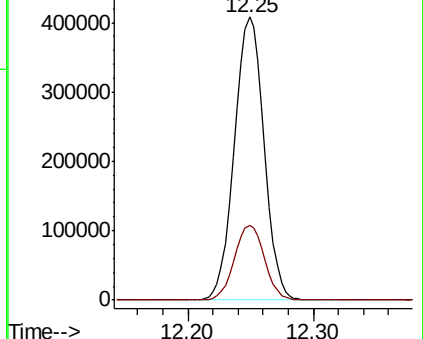
105 100

120 26.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.78 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Tgt Ion: 43 Resp: 156173

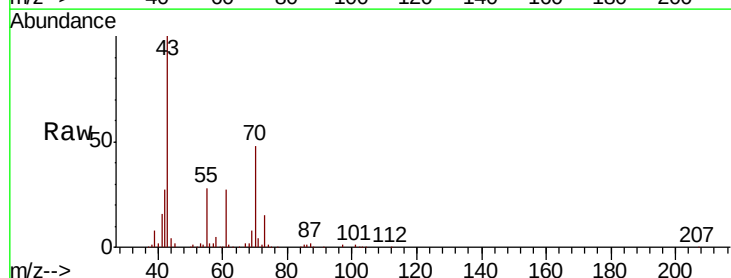
Ion Ratio Lower Upper

43 100

70 46.4 37.0 55.4

55 27.9 21.3 31.9

61 25.9 20.7 31.1

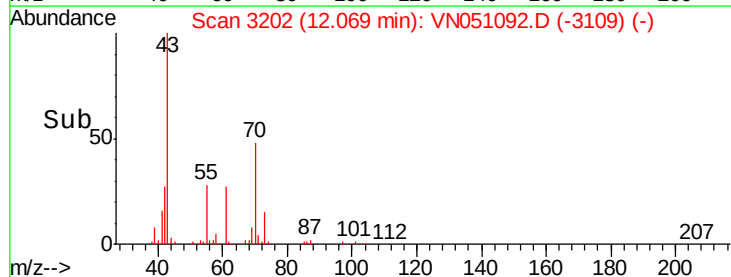
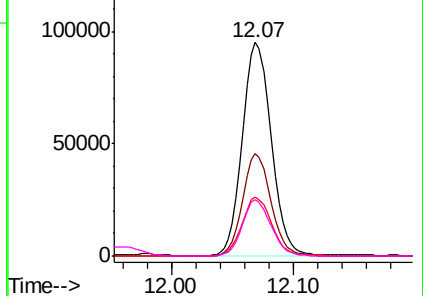


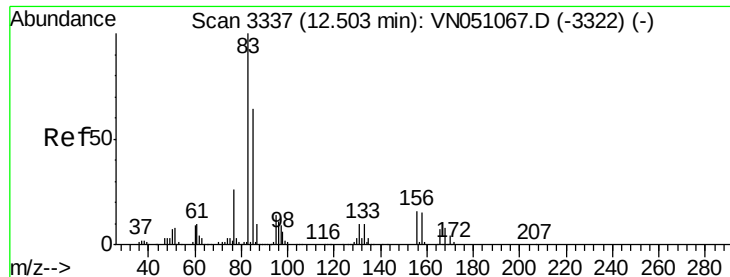
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.83 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS02

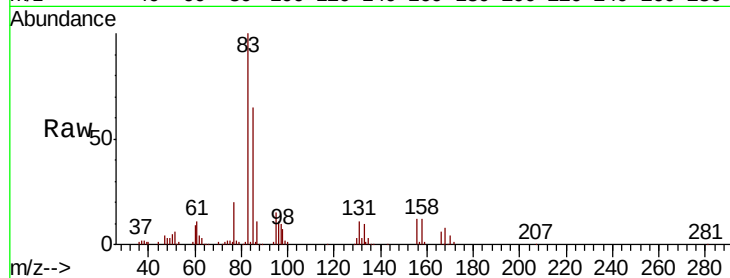
Tot Ion: 83 Resp: 172295

Ion Ratio Lower Upper

83 100

131 10.5 5.3 16.1

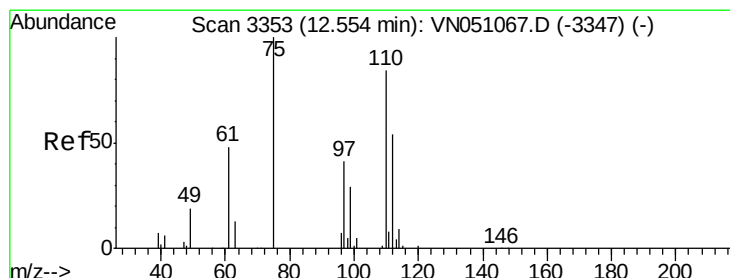
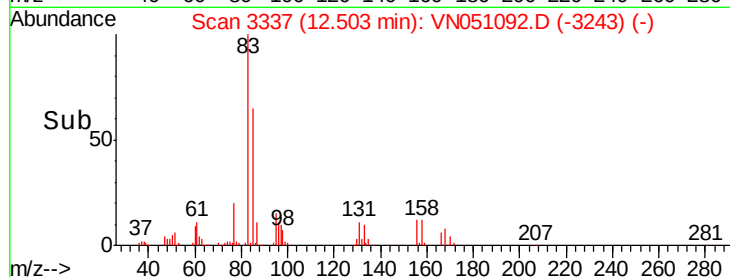
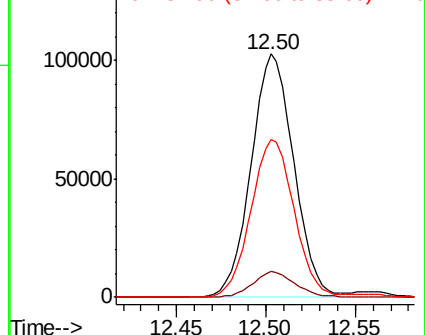
85 65.4 32.3 96.8



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: 30.92 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051092.D

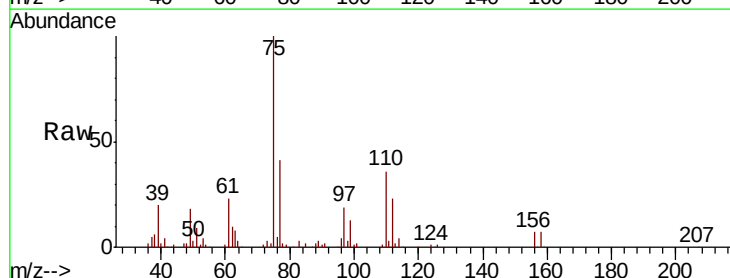
Acq: 10 Sep 2018 21:54

Tgt Ion: 75 Resp: 192306

Ion Ratio Lower Upper

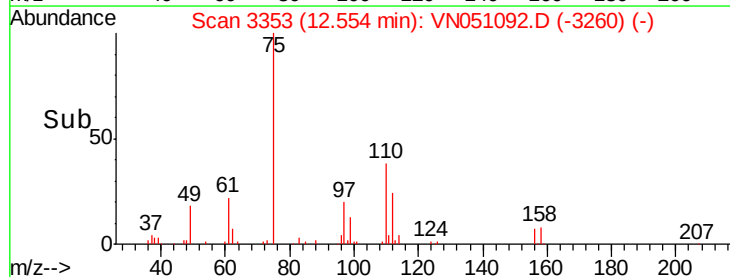
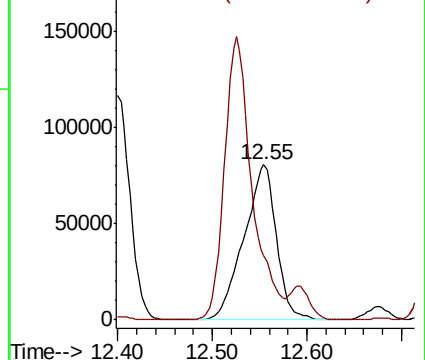
75 100

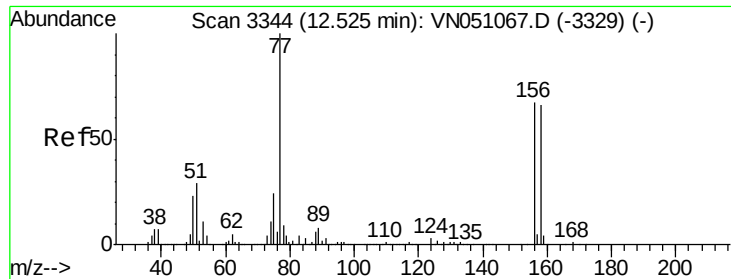
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.21 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

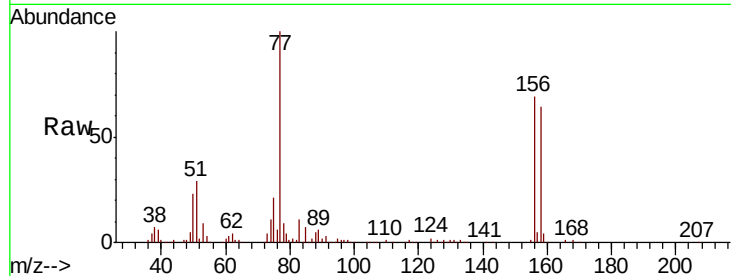
Tot Ion:156 Resp: 170472

Ion Ratio Lower Upper

156 100

77 175.5 87.5 262.6

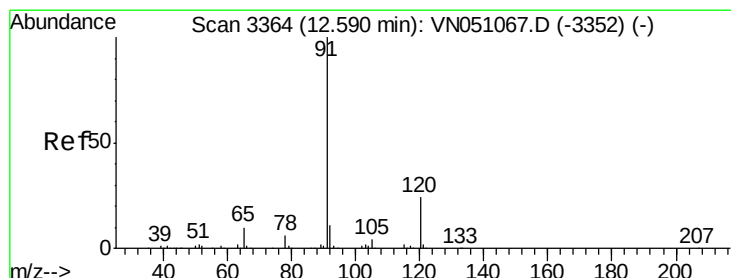
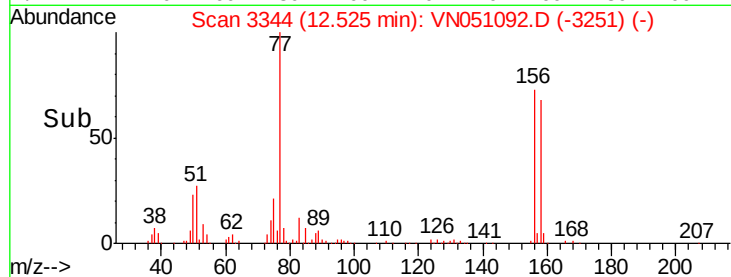
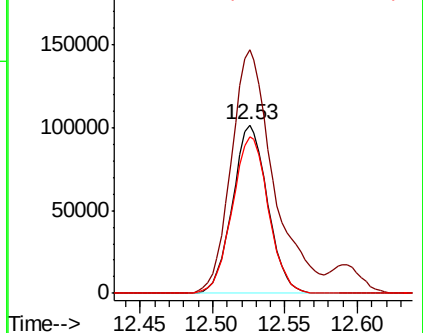
158 96.0 49.0 147.2



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: 19.83 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051092.D

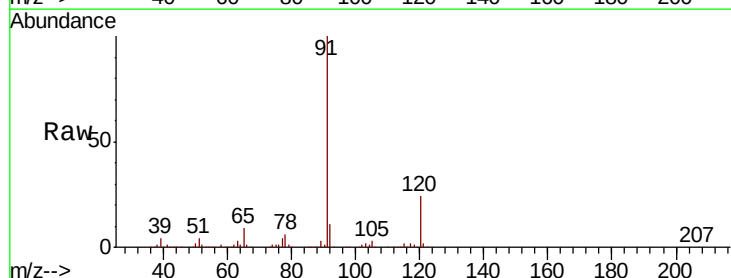
Acq: 10 Sep 2018 21:54

Tgt Ion: 91 Resp: 720275

Ion Ratio Lower Upper

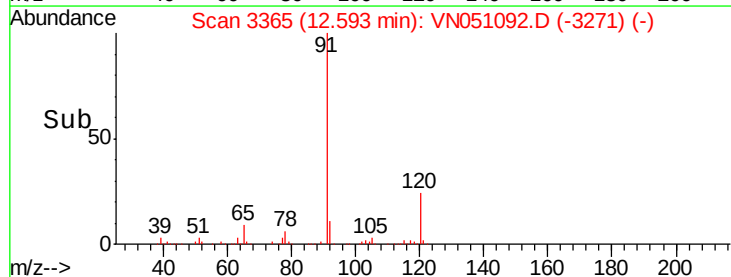
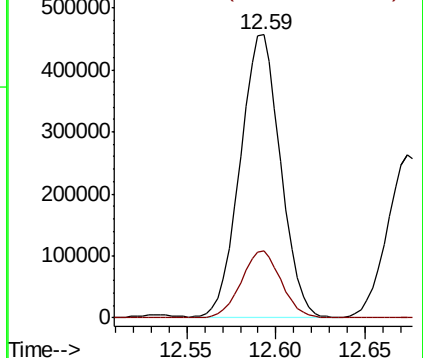
91 100

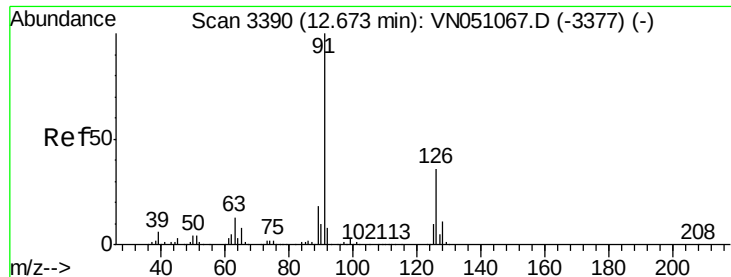
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.32 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

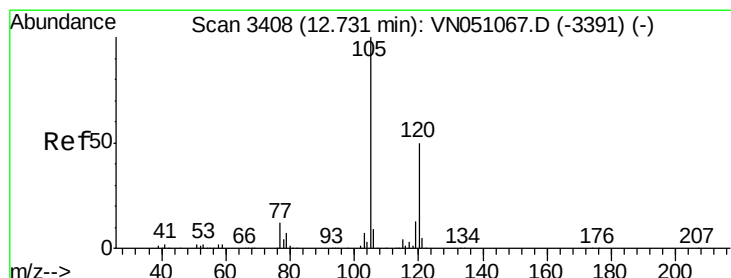
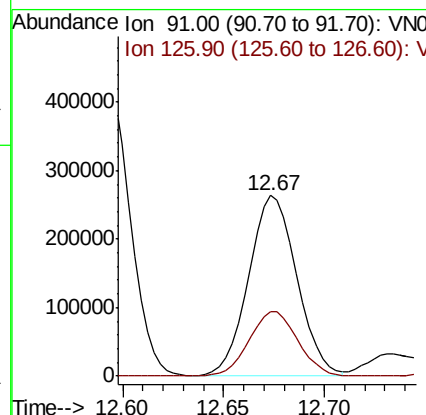
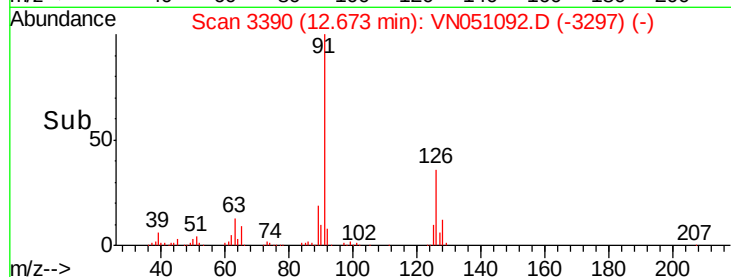
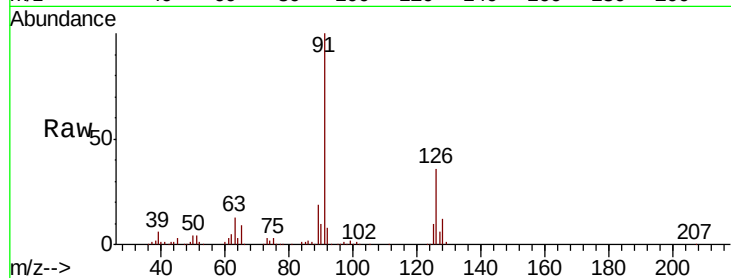
VN0910MBS02

Tot Ion: 91 Resp: 438551

Ion Ratio Lower Upper

91 100

126 36.4 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.10 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051092.D

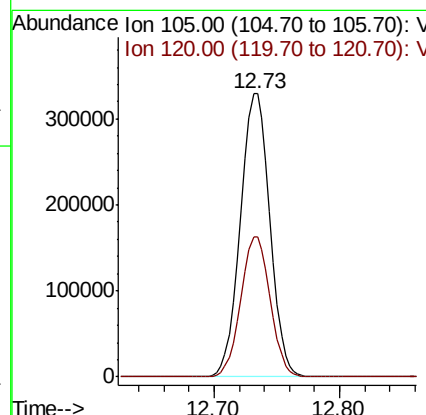
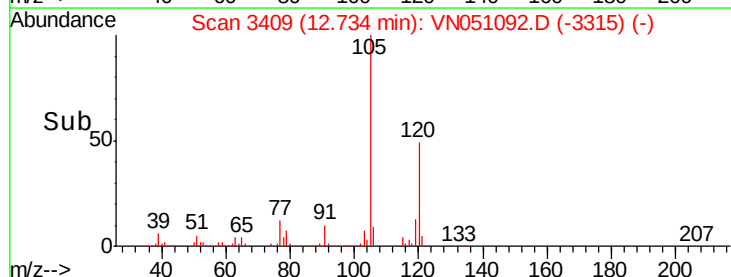
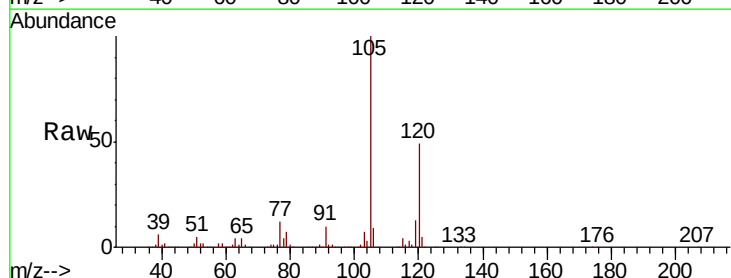
Acq: 10 Sep 2018 21:54

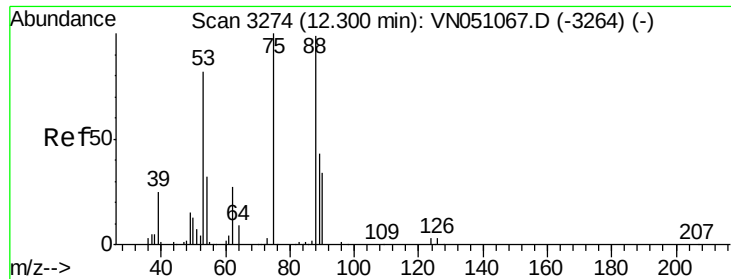
Tgt Ion: 105 Resp: 536959

Ion Ratio Lower Upper

105 100

120 49.4 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.22 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampled :

VN0910MBS02

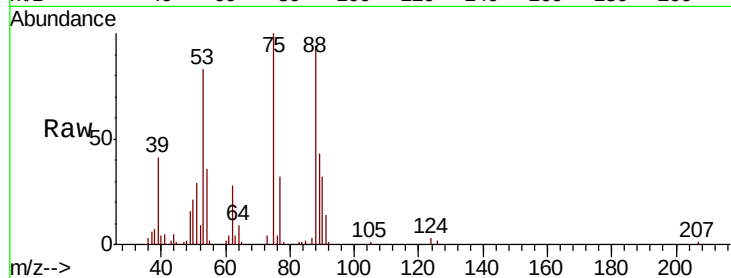
Tot Ion: 75 Resp: 37803

Ion Ratio Lower Upper

75 100

53 87.8 67.8 101.8

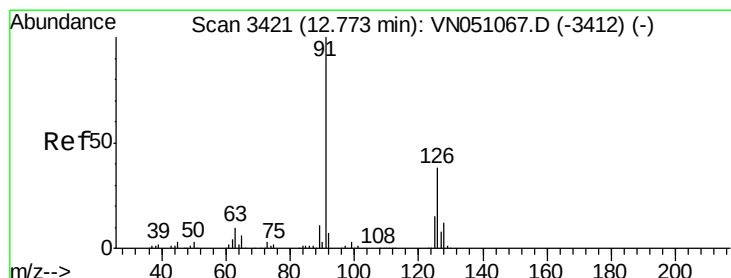
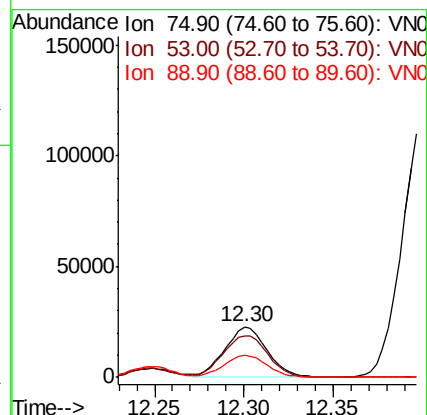
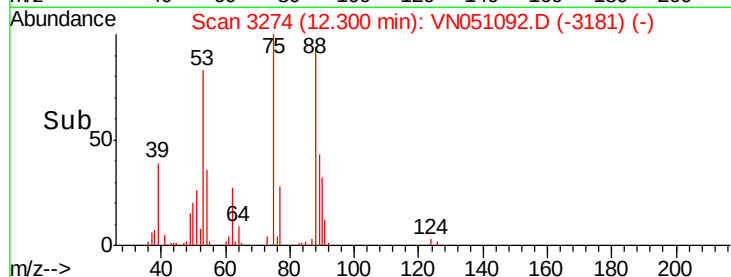
89 44.8 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN051067.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN051067.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 19.11 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051092.D

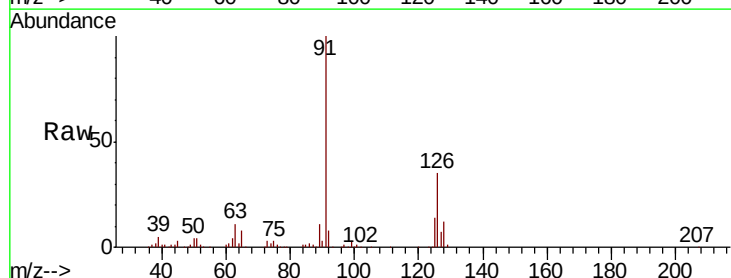
Acq: 10 Sep 2018 21:54

Tgt Ion: 91 Resp: 430672

Ion Ratio Lower Upper

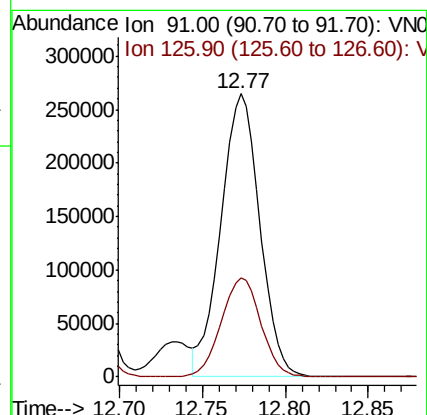
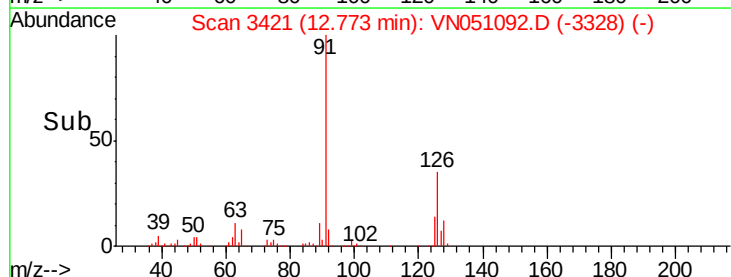
91 100

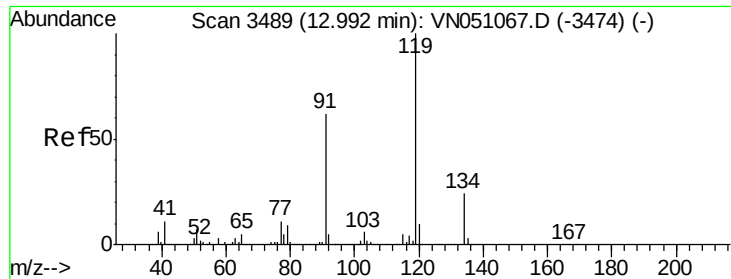
126 35.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN051067.D (-3412) (-)

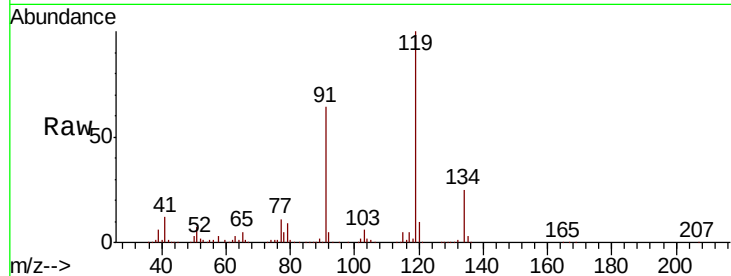




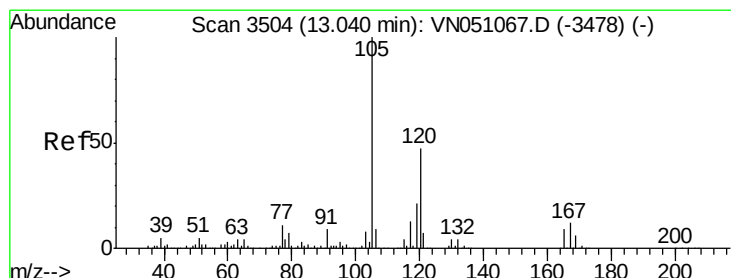
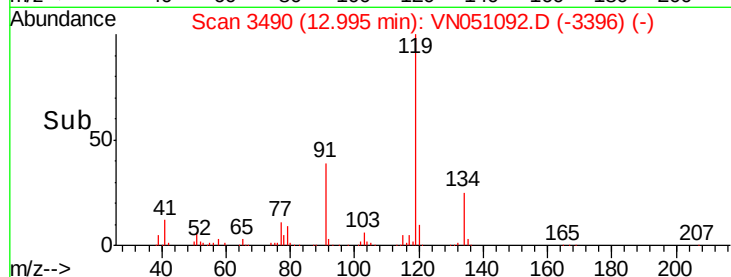
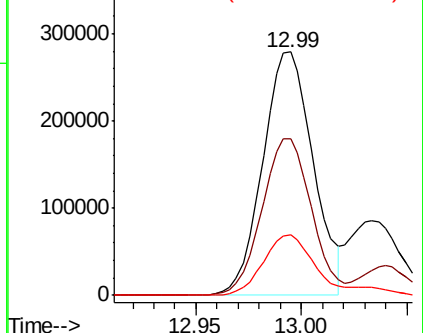
#83
 tert-Butylbenzene
 Concen: 19.72 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion:119 Resp: 465031
 Ion Ratio Lower Upper
 119 100
 91 63.1 30.8 92.3
 134 24.6 13.2 39.6

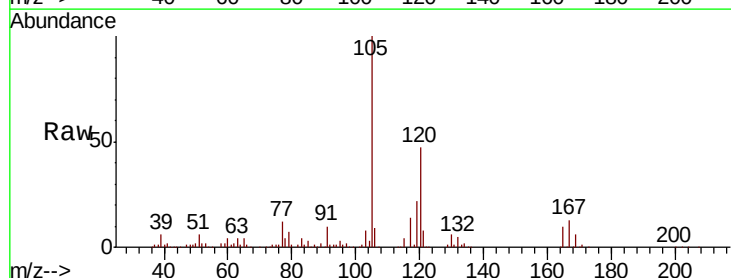


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

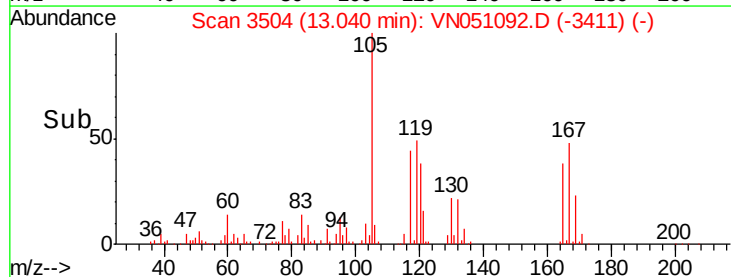
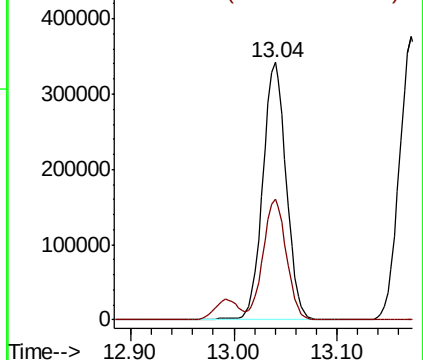


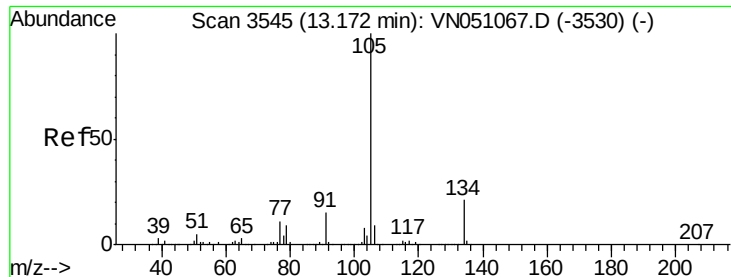
#84
 1,2,4-Trimethylbenzene
 Concen: 20.47 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion:105 Resp: 537515
 Ion Ratio Lower Upper
 105 100
 120 46.6 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: 19.78 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

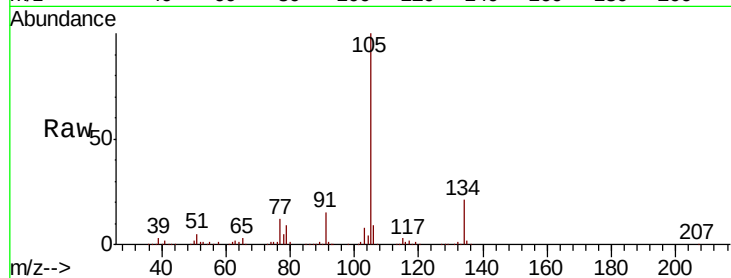
VN0910MBS02

Tot Ion:105 Resp: 598258

Ion Ratio Lower Upper

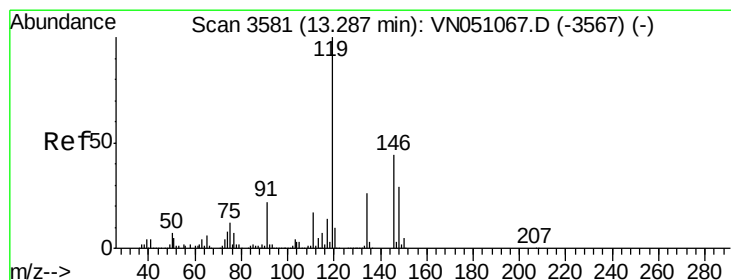
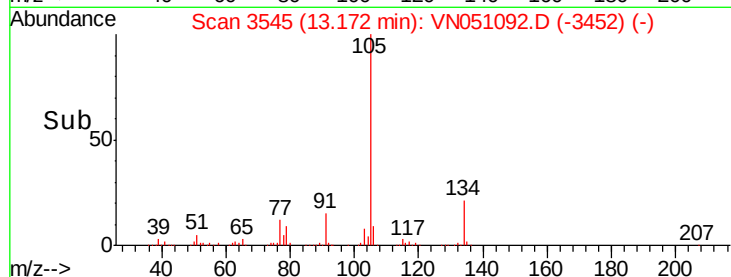
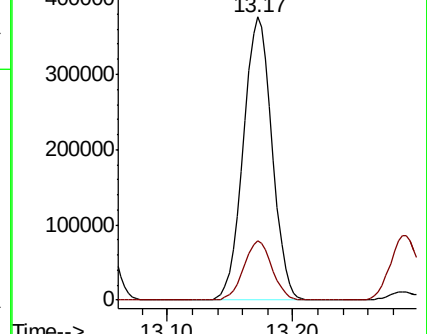
105 100

134 20.5 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: 19.96 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

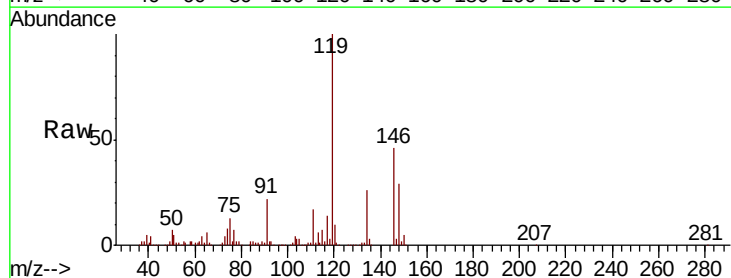
Tgt Ion:119 Resp: 511887

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

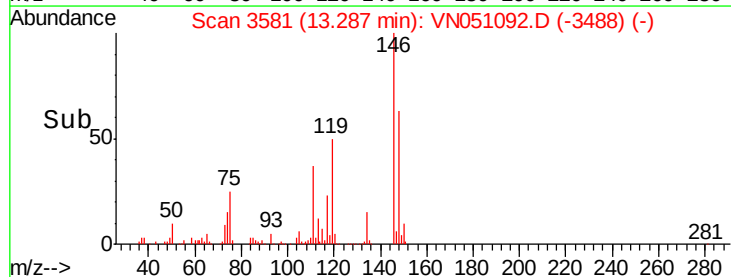
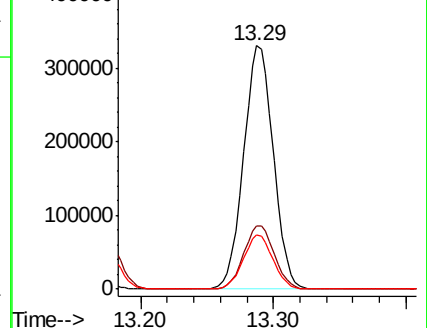
91 22.2 10.9 32.9

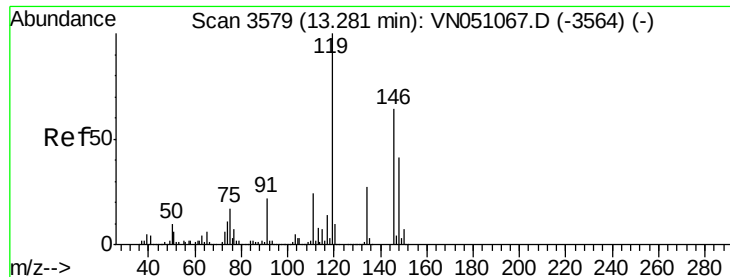


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

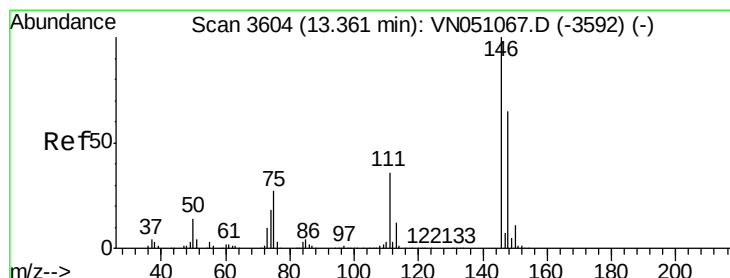
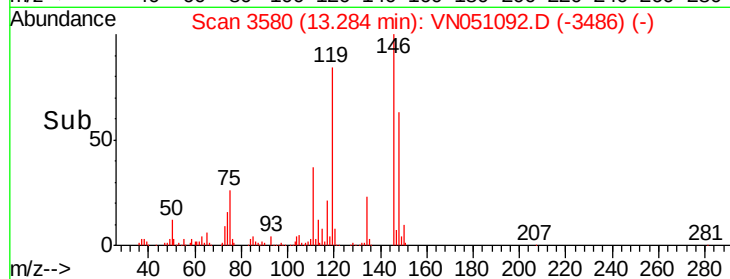
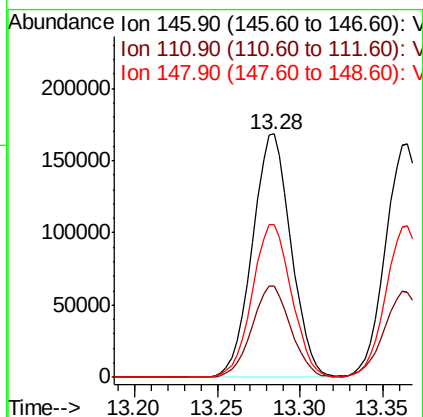
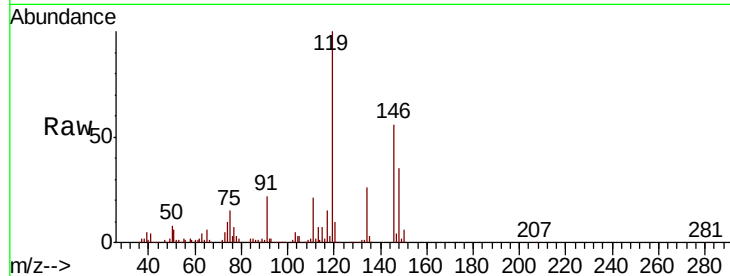




#87
 1,3-Dichlorobenzene
 Concen: 18.23 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

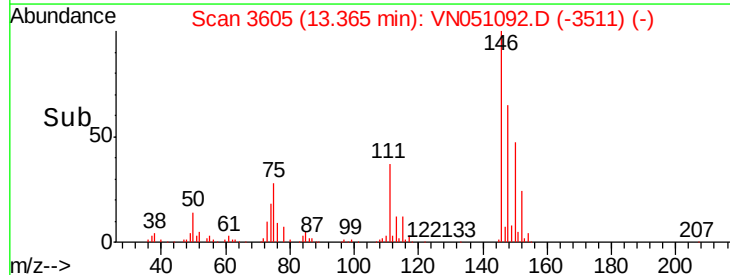
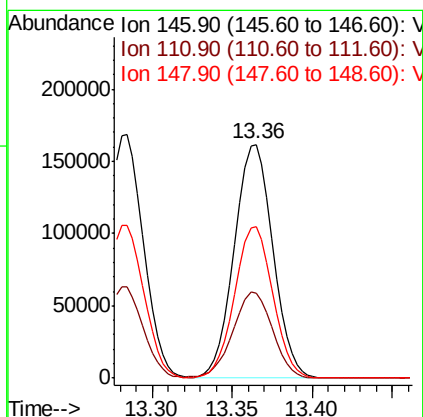
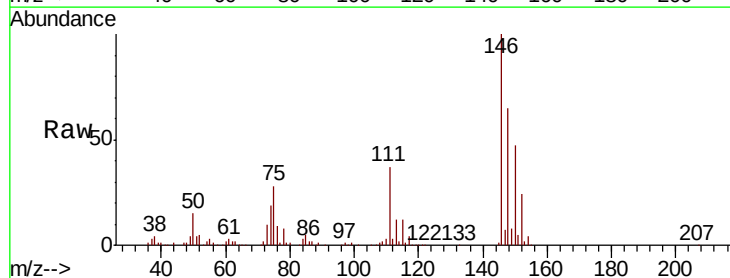
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

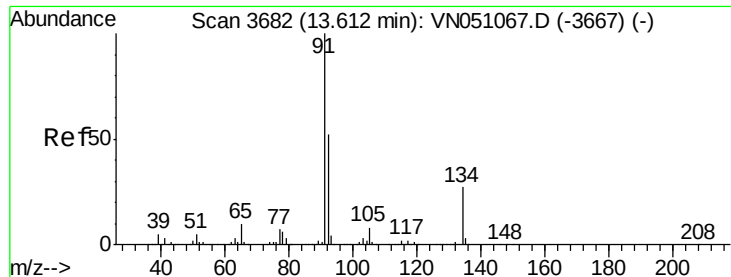
Tot Ion:146 Resp: 274512
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.1
 148 63.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.26 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion:146 Resp: 266202
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.4 55.0
 148 64.2 32.2 96.6

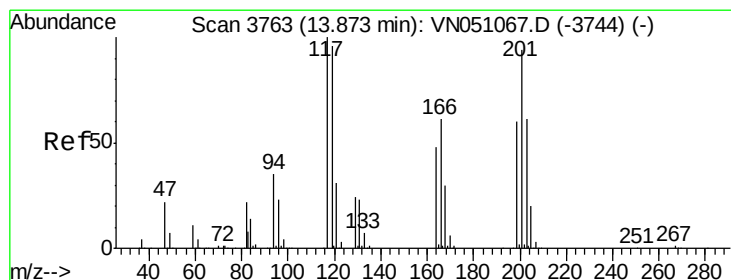
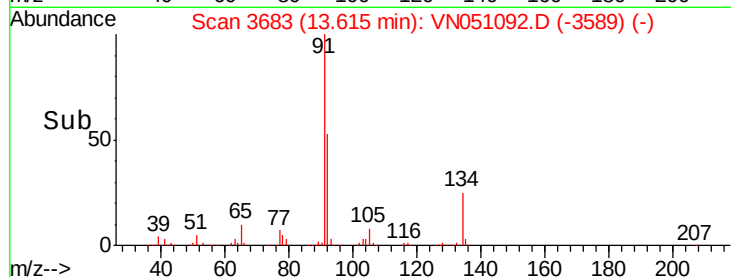
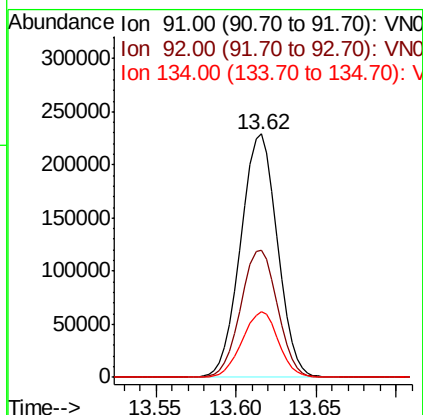
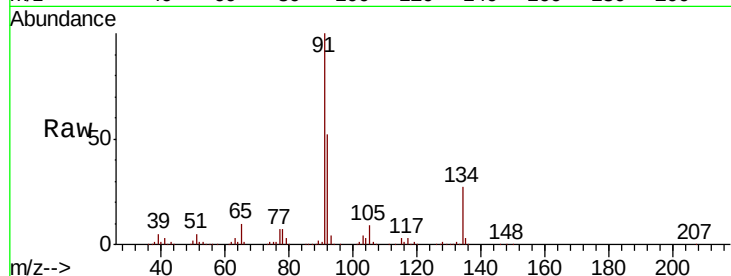




#89
n-Butylbenzene
Concen: 17.93 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

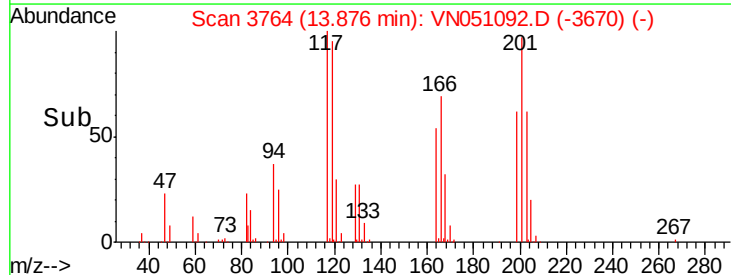
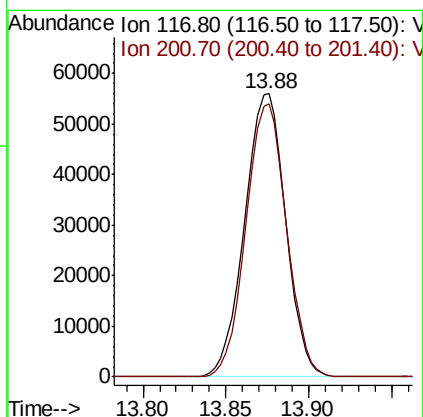
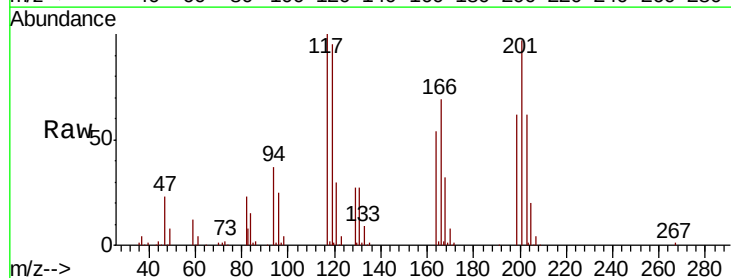
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

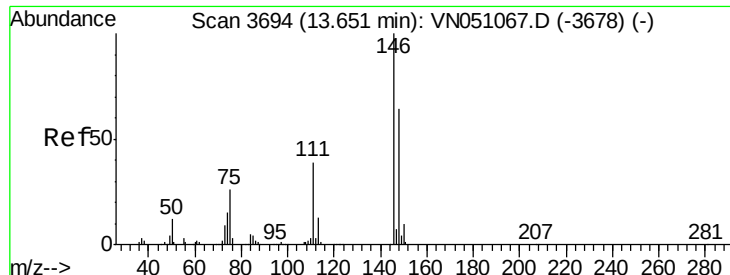
Tot Ion: 91 Resp: 357875
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.6
134 26.7 13.7 41.1



#90
Hexachloroethane
Concen: 20.34 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051092.D
Acq: 10 Sep 2018 21:54

Tgt Ion: 117 Resp: 96662
Ion Ratio Lower Upper
117 100
201 95.1 47.3 142.0

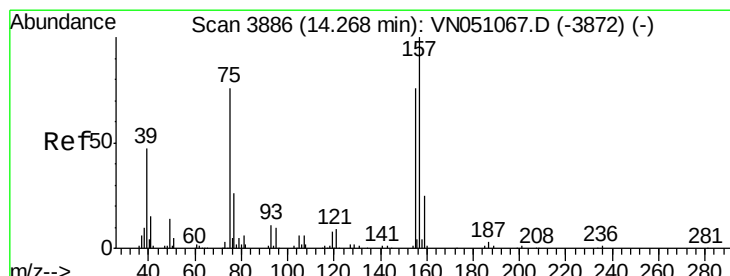
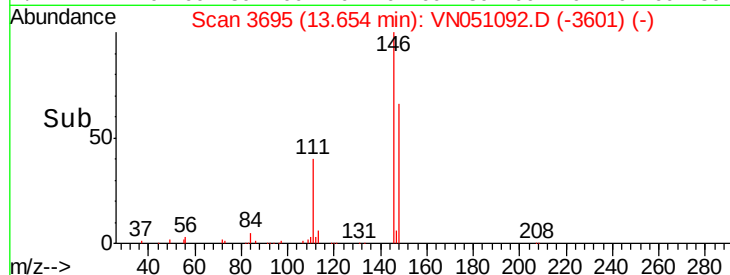
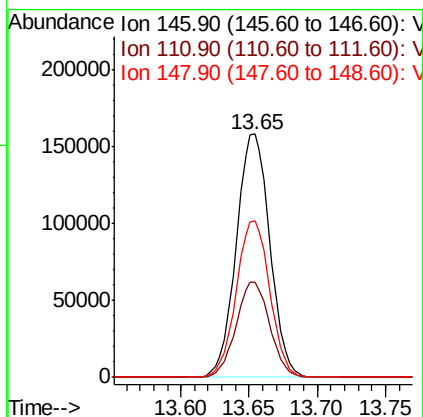
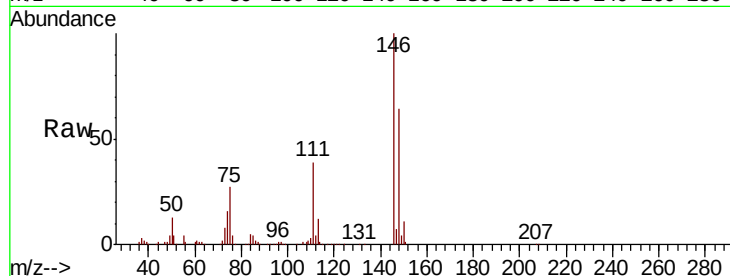




#91
 1,2-Dichlorobenzene
 Concen: 18.39 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

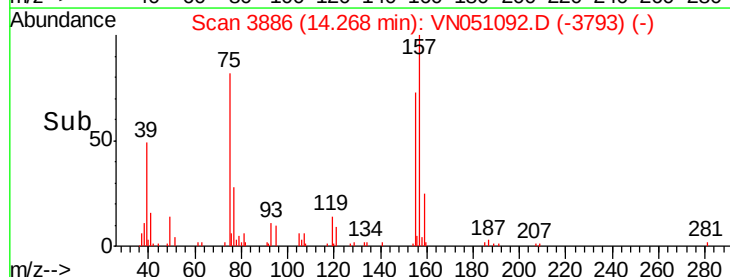
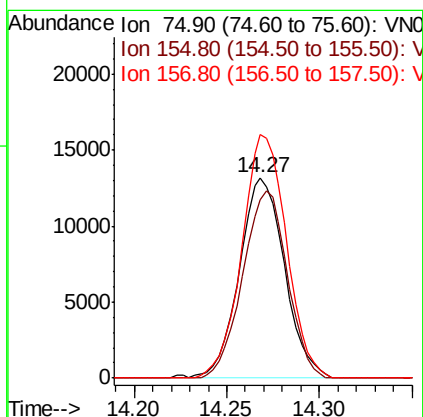
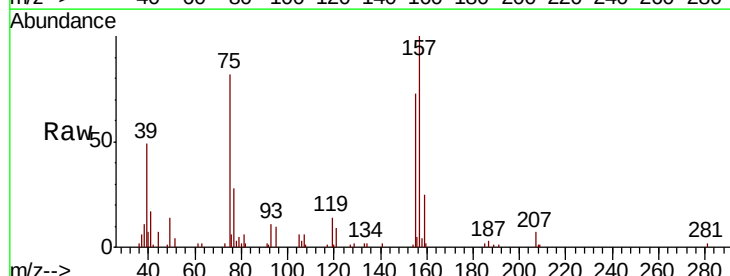
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

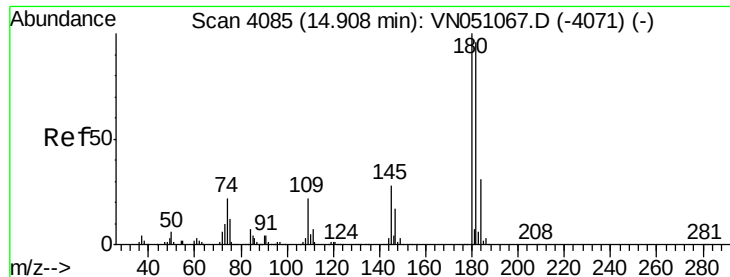
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.3	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.21 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	48.7	146.1
157	119.9	63.6	190.9

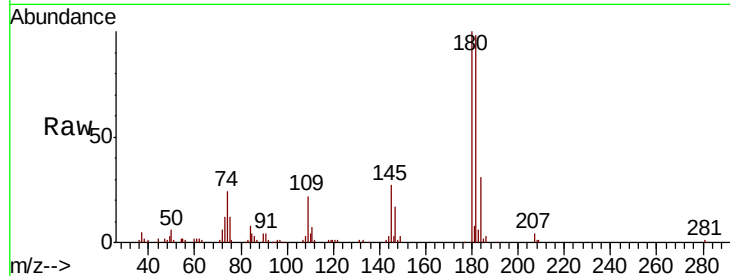




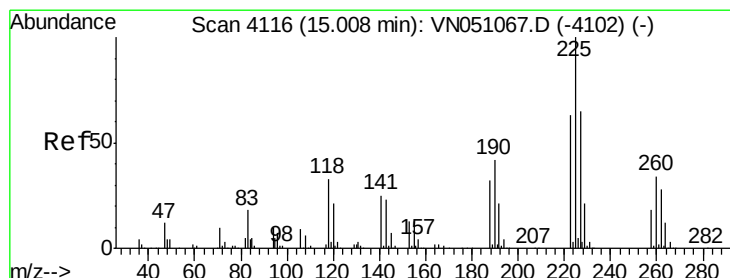
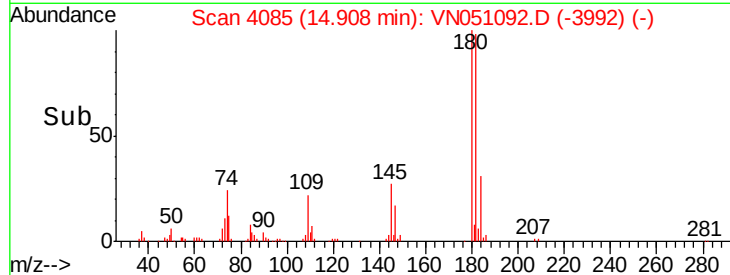
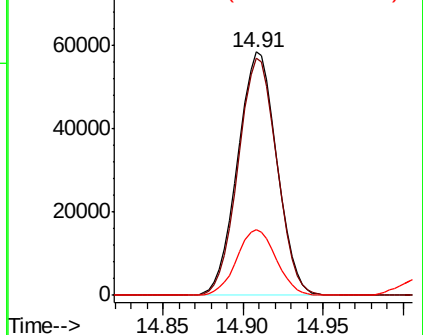
#93
 1,2,4-Trichlorobenzene
 Concen: 16.65 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	27.3	14.2	42.6

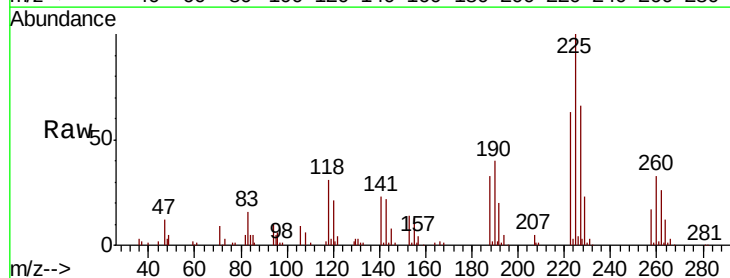


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

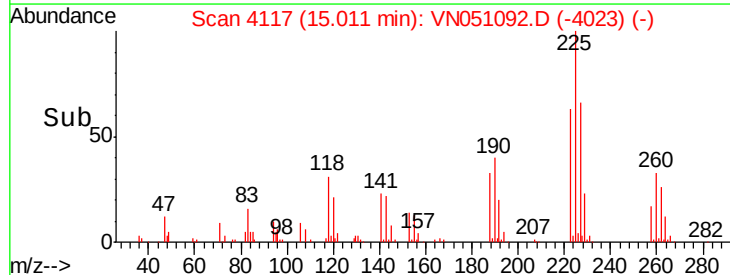
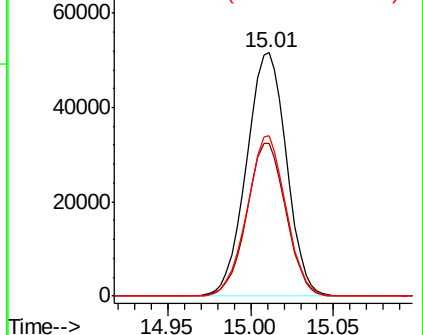


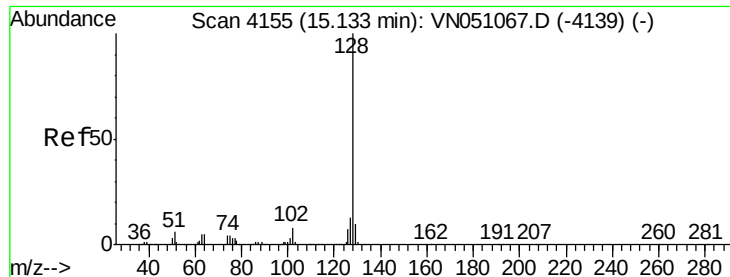
#94
 Hexachlorobutadiene
 Concen: 19.26 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051092.D
 Acq: 10 Sep 2018 21:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	31.4	94.0
227	63.7	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: 16.68 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBS02

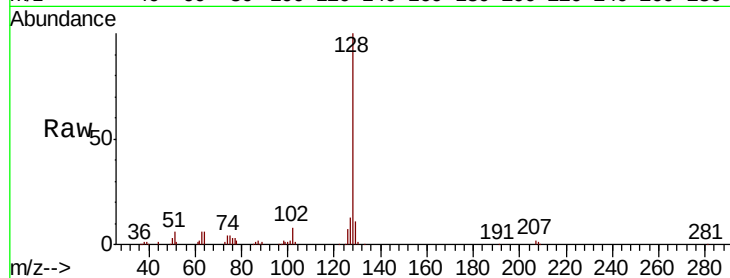
Tot Ion:128 Resp: 188150

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.2 8.6 12.8

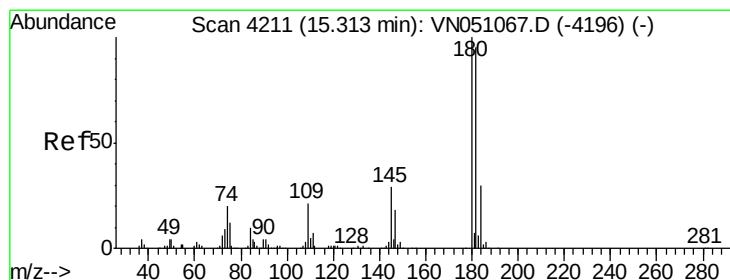
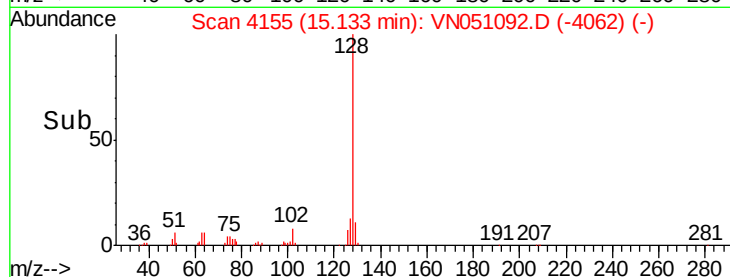
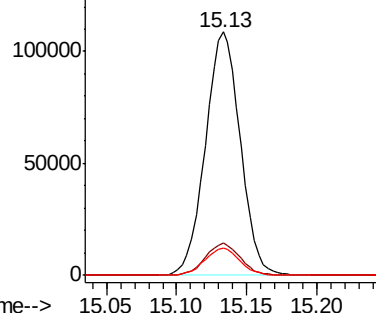


Abundance

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: 17.71 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051092.D

Acq: 10 Sep 2018 21:54

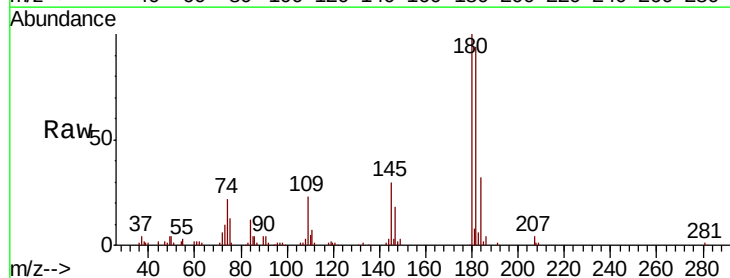
Tgt Ion:180 Resp: 106275

Ion Ratio Lower Upper

180 100

182 93.6 47.8 143.3

145 29.5 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

