

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051093.D
 Acq On : 10 Sep 2018 22:19
 Operator : MD\SY
 Sample : VN0910WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Quant Time: Sep 11 04:34:27 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	652325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	942440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	852365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	387454	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	389714	53.68	ug/l	0.00
Spiked Amount			Recovery	=	107.36%	
35) Dibromofluoromethane	7.59	113	376575	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	10.09	98	1429718	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.40	95	452261	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	120330	19.13	ug/l	99
3) Chloromethane	2.06	50	166545	20.18	ug/l	99
4) Vinyl Chloride	2.18	62	167513	19.40	ug/l	100
5) Bromomethane	2.56	94	96891	19.28	ug/l	100
6) Chloroethane	2.70	64	100081	18.78	ug/l	98
7) Trichlorofluoromethane	3.01	101	222279	19.43	ug/l	98
8) Diethyl Ether	3.41	74	83458	19.83	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140547	19.06	ug/l	99
10) Methyl Iodide	3.95	142	117562	20.76	ug/l	98
11) Tert butyl alcohol	4.79	59	50561	91.19	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	132391	19.03	ug/l	97
13) Acrolein	3.61	56	64025	109.69	ug/l	98
14) Allyl chloride	4.33	41	198545	18.73	ug/l	99
15) Acrylonitrile	5.00	53	241340	98.23	ug/l	99
16) Acetone	3.82	43	162792	86.89	ug/l	99
17) Carbon Disulfide	4.05	76	389185	19.05	ug/l	99
18) Methyl Acetate	4.33	43	109723	18.87	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	359457	19.54	ug/l	98
20) Methylene Chloride	4.55	84	153633	19.16	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	142433	18.87	ug/l	98
22) Diisopropyl ether	5.96	45	432821	20.57	ug/l	98
23) Vinyl Acetate	5.90	43	1408804	98.93	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261150	19.56	ug/l	99
25) 2-Butanone	6.84	43	254731	89.25	ug/l	96
26) 2,2-Dichloropropane	6.83	77	185206	16.95	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159374	19.25	ug/l	98
28) Bromochloromethane	7.20	49	118682	19.97	ug/l	100
29) Tetrahydrofuran	7.22	42	175139	98.26	ug/l	99
30) Chloroform	7.37	83	264391	19.91	ug/l	97
31) Cyclohexane	7.65	56	233797	19.50	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	224829	19.87	ug/l	100
36) 1,1-Dichloropropene	7.79	75	197616	19.10	ug/l	100
37) Ethyl Acetate	6.93	43	119896	20.01	ug/l	100
38) Carbon Tetrachloride	7.77	117	201262	19.76	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	211941	18.56	ug/l	98
40) Benzene	8.04	78	616215	19.76	ug/l	99
41) Methacrylonitrile	7.21	41	169661	54.87	ug/l #	13
42) 1,2-Dichloroethane	8.13	62	182456	20.08	ug/l	100
43) Isopropyl Acetate	8.17	43	206351	19.52	ug/l #	89
44) Trichloroethene	8.83	130	162880	19.10	ug/l	99
45) 1,2-Dichloropropane	9.12	63	161589	20.06	ug/l	99
46) Dibromomethane	9.21	93	95952	19.52	ug/l	99
47) Bromodichloromethane	9.40	83	197051	19.71	ug/l	99
48) Methyl methacrylate	9.20	41	103282	20.04	ug/l	98
49) 1,4-Dioxane	9.20	88	30485	377.27	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	592093	101.26	ug/l	99
52) Toluene	10.16	92	381962	20.09	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	186170	18.61	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	223447	19.05	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	137400	19.89	ug/l	98
56) Ethyl methacrylate	10.43	69	162102	19.09	ug/l	97
57) 1,3-Dichloropropane	10.71	76	227544	19.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	329054	94.54	ug/l	100
59) 2-Hexanone	10.75	43	369375	93.15	ug/l	98
60) Dibromochloromethane	10.90	129	154132	19.80	ug/l	99
61) 1,2-Dibromoethane	11.01	107	136385	20.20	ug/l	98
64) Tetrachloroethene	10.63	164	154629	19.88	ug/l	98
65) Chlorobenzene	11.43	112	418641	19.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153268	19.81	ug/l	100
67) Ethyl Benzene	11.51	91	684487	19.67	ug/l	100
68) m/p-Xylenes	11.62	106	538900	40.31	ug/l	99
69) o-Xylene	11.95	106	255120	19.71	ug/l	97
70) Styrene	11.96	104	403215	20.08	ug/l	99
71) Bromoform	12.13	173	106955	19.64	ug/l #	99
73) Isopropylbenzene	12.25	105	674392	20.75	ug/l	100
74) N-amyl acetate	12.07	43	157399	19.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	174274	22.50	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	192507	31.50	ug/l #	100
77) Bromobenzene	12.53	156	176943	20.27	ug/l	98
78) n-propylbenzene	12.59	91	733954	20.55	ug/l	100
79) 2-Chlorotoluene	12.67	91	456699	20.46	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	550605	20.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37252	18.26	ug/l	94
82) 4-Chlorotoluene	12.77	91	442899	19.99	ug/l	100
83) tert-Butylbenzene	12.99	119	475038	20.48	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	542587	21.01	ug/l	99
85) sec-Butylbenzene	13.17	105	613949	20.64	ug/l	99
86) p-Isopropyltoluene	13.29	119	528052	20.94	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281229	18.99	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	271434	19.97	ug/l	99
89) n-Butylbenzene	13.62	91	370794	18.89	ug/l	98
90) Hexachloroethane	13.87	117	96158	20.58	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	278118	19.28	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21509	19.78	ug/l	98

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

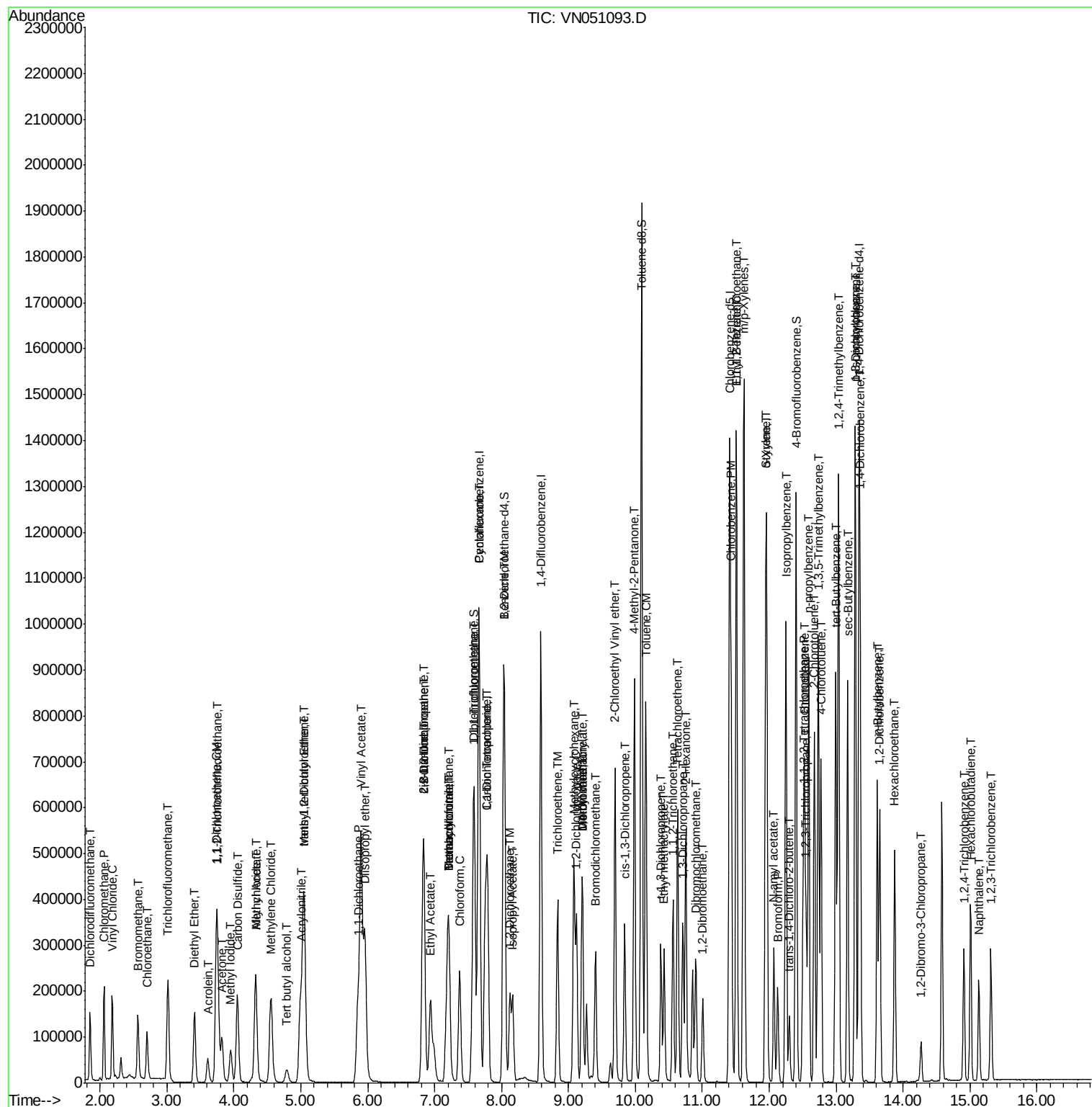
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101799	17.42	ug/l	99
94) Hexachlorobutadiene	15.01	225	88498	19.99	ug/l	98
95) Naphthalene	15.13	128	192282	17.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	108035	18.21	ug/l	98

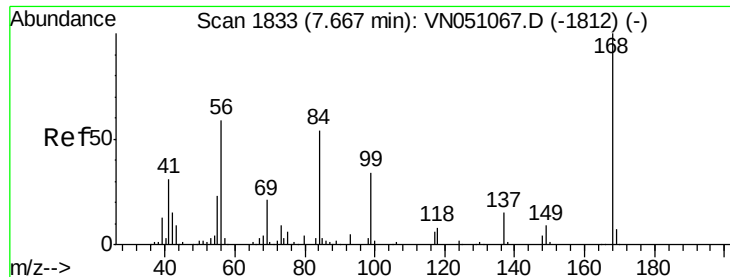
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

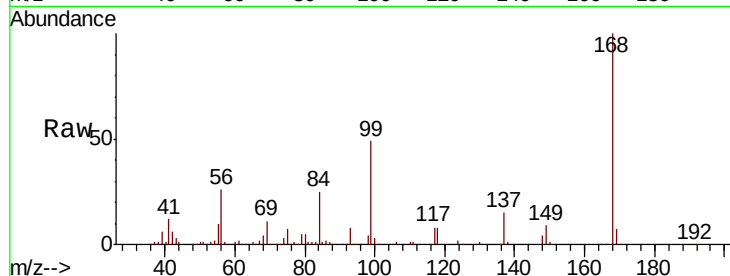
VN0910WBS02

Tot Ion:168 Resp: 652325

Ion Ratio Lower Upper

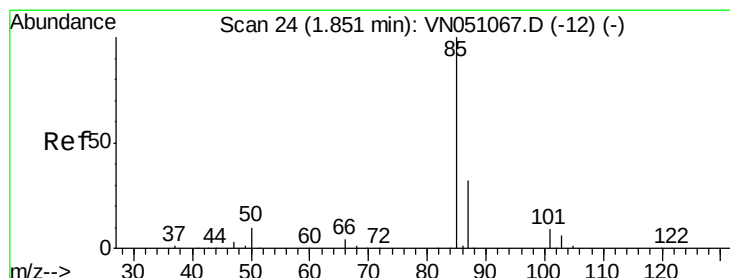
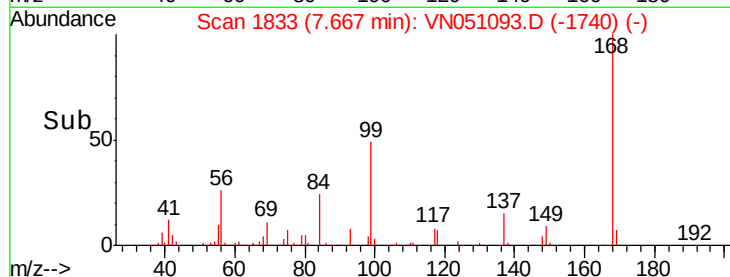
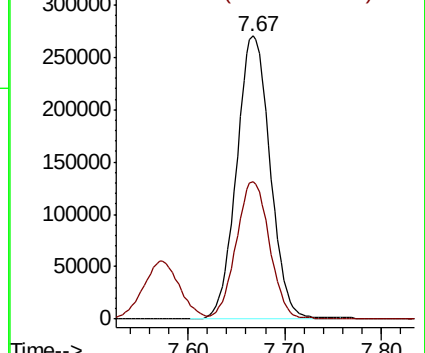
168 100

99 48.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.13 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051093.D

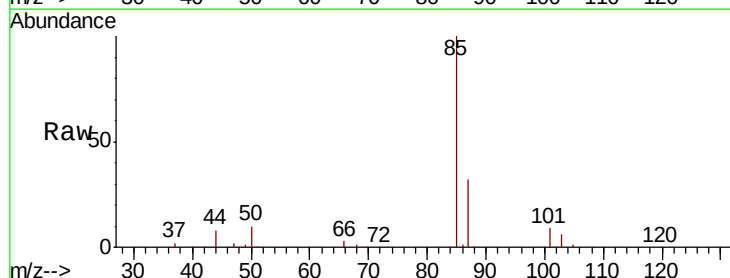
Acq: 10 Sep 2018 22:19

Tgt Ion: 85 Resp: 120330

Ion Ratio Lower Upper

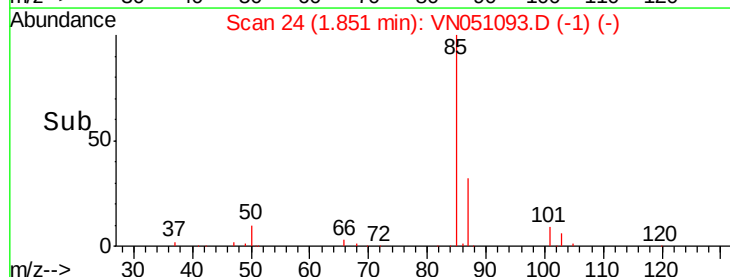
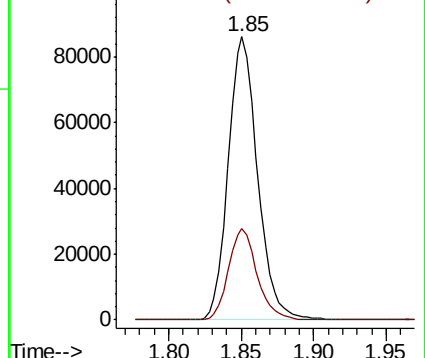
85 100

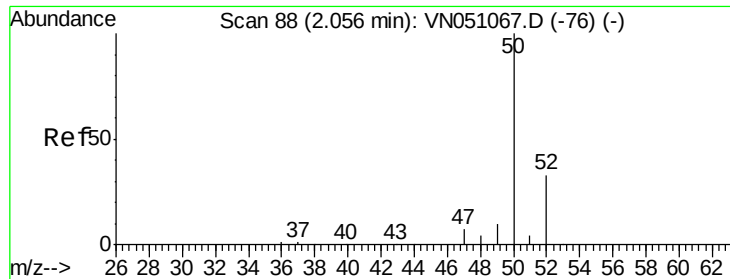
87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 20.18 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampled :

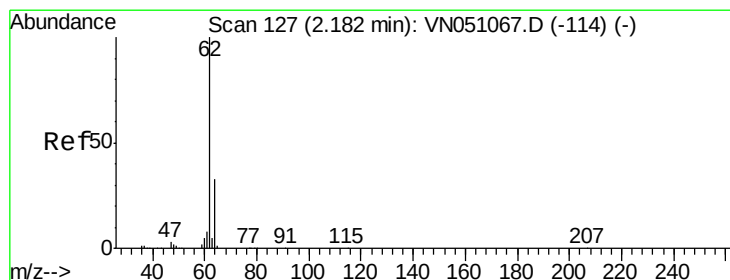
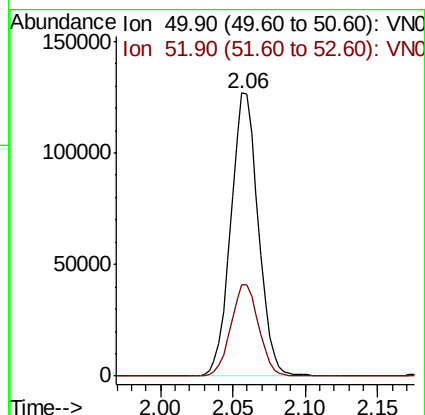
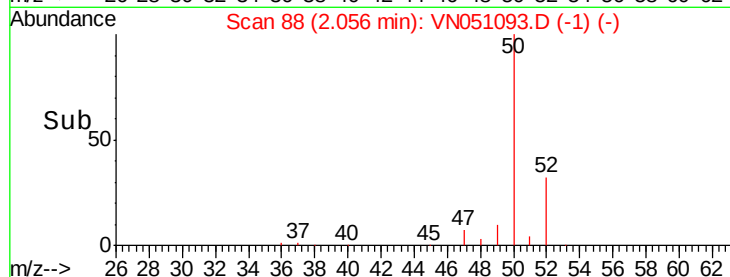
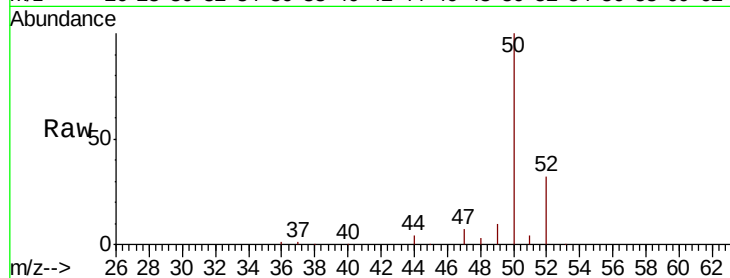
VN0910WBS02

Tot Ion: 50 Resp: 166545

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



#4

Vinyl Chloride

Concen: 19.40 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051093.D

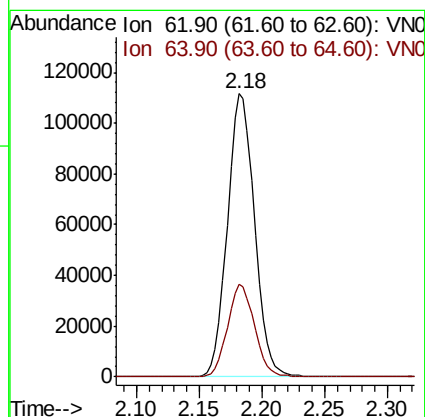
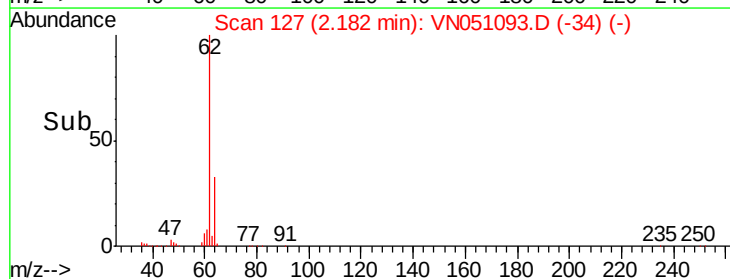
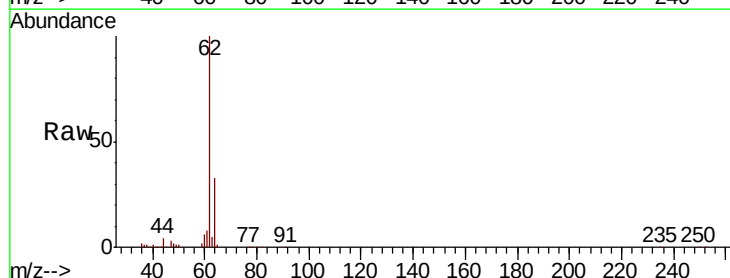
Acq: 10 Sep 2018 22:19

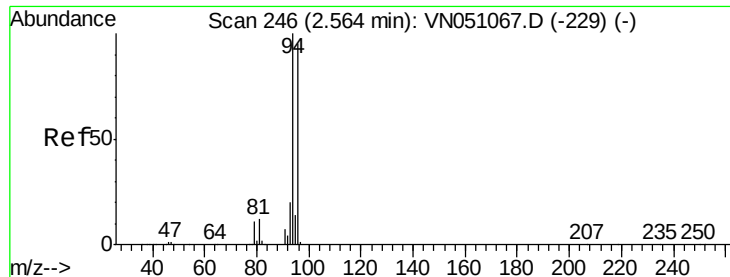
Tgt Ion: 62 Resp: 167513

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.4





#5

Bromomethane

Concen: 19.28 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

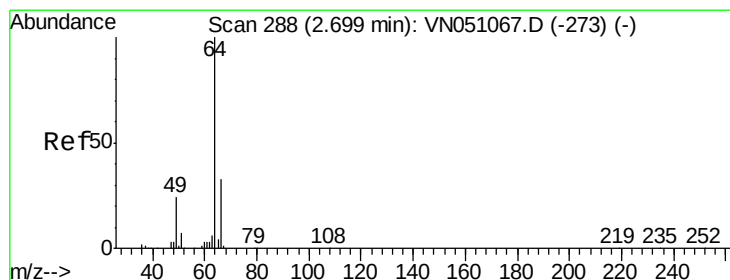
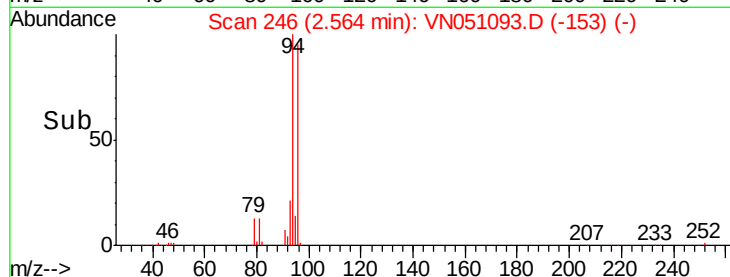
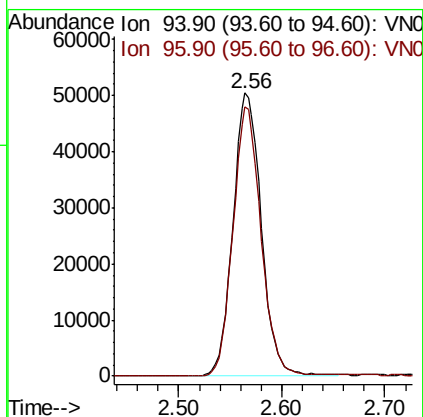
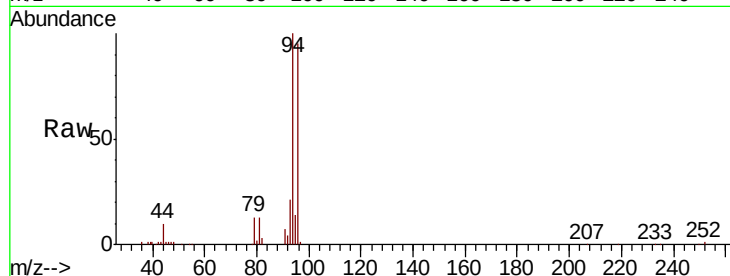
VN0910WBS02

Tot Ion: 94 Resp: 96891

Ion Ratio Lower Upper

94 100

96 95.1 75.9 113.9



#6

Chloroethane

Concen: 18.78 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051093.D

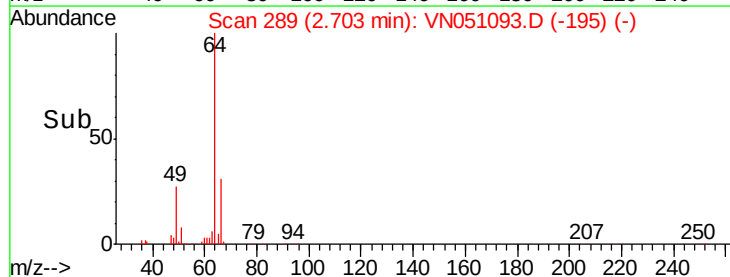
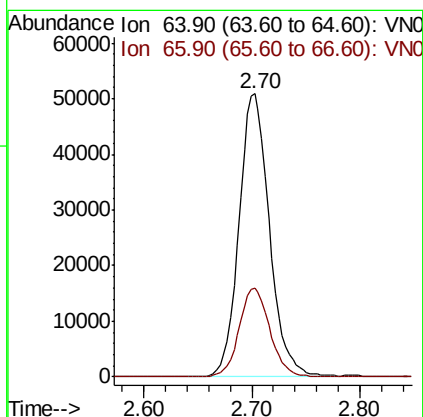
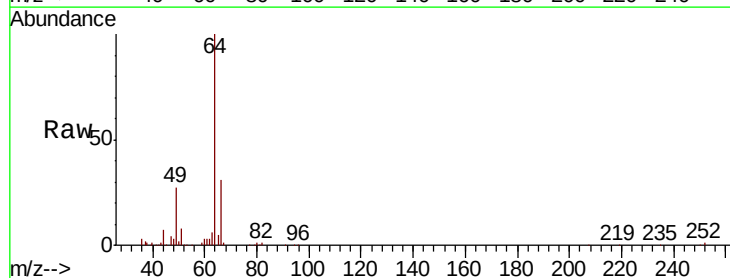
Acq: 10 Sep 2018 22:19

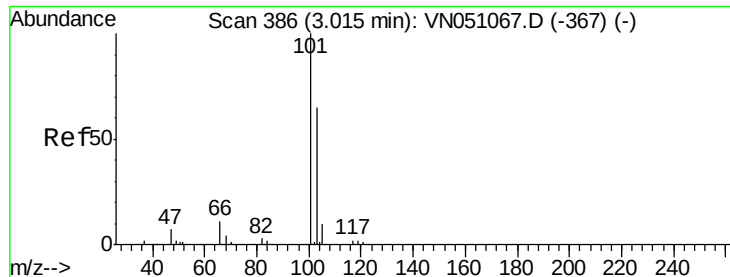
Tgt Ion: 64 Resp: 100081

Ion Ratio Lower Upper

64 100

66 31.3 26.1 39.1



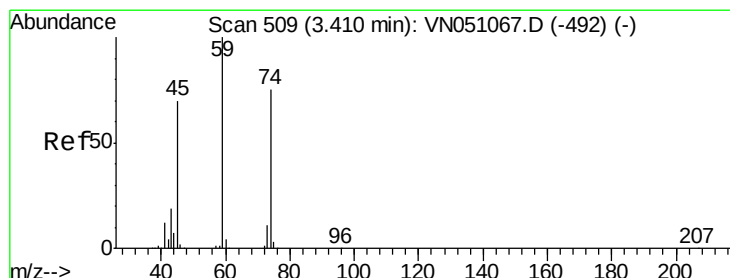
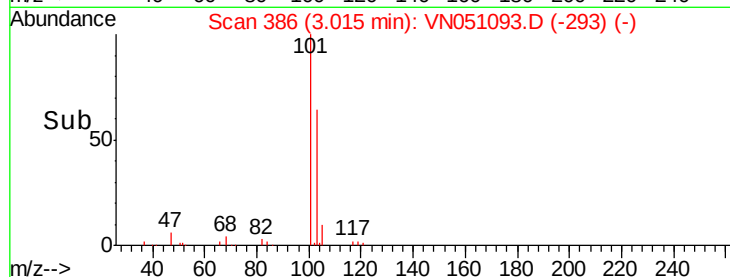
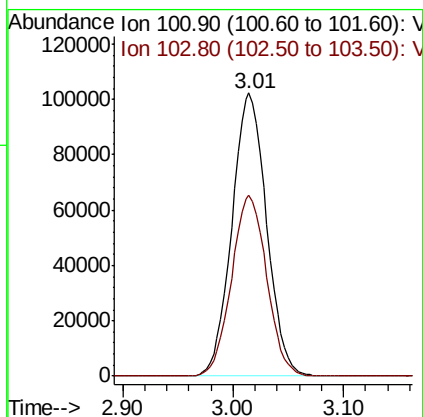
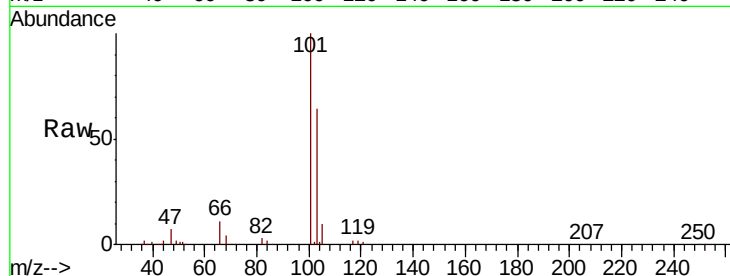


#7

Trichlorofluoromethane
 Concen: 19.43 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
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 ClientSampleId :
 VN0910WBS02

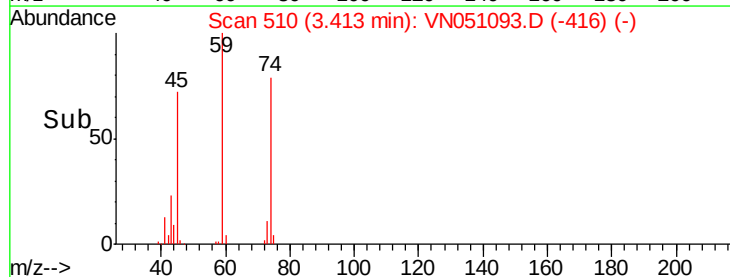
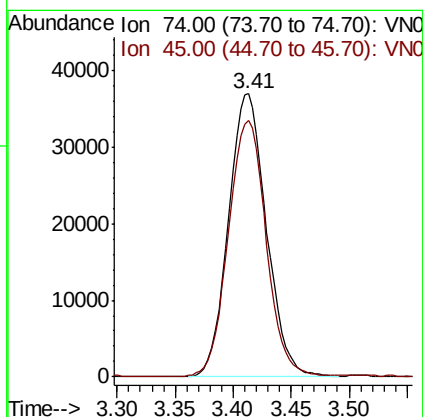
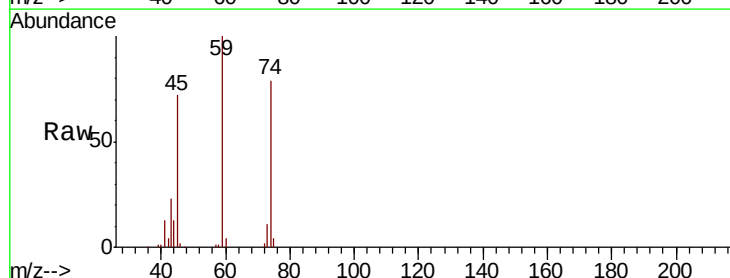
Tot Ion:101 Resp: 222279
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.4 78.6

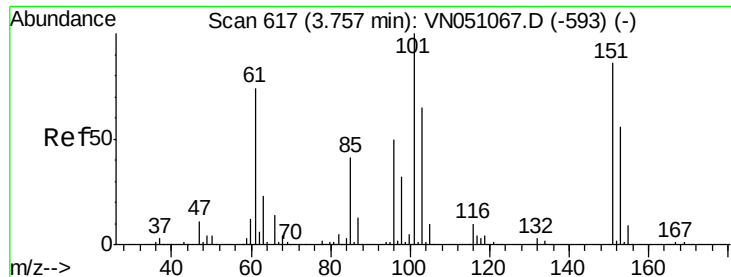


#8

Diethyl Ether
 Concen: 19.83 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion: 74 Resp: 83458
 Ion Ratio Lower Upper
 74 100
 45 90.9 46.7 140.0

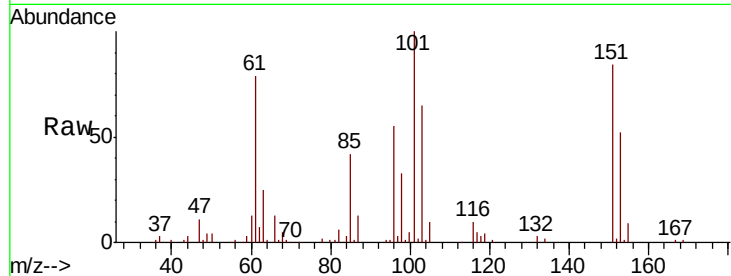




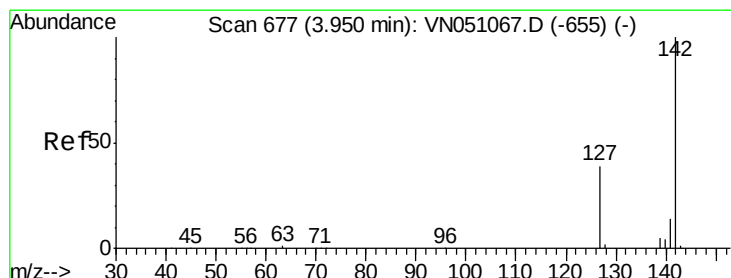
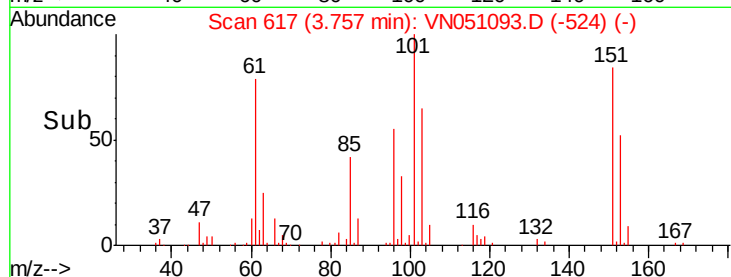
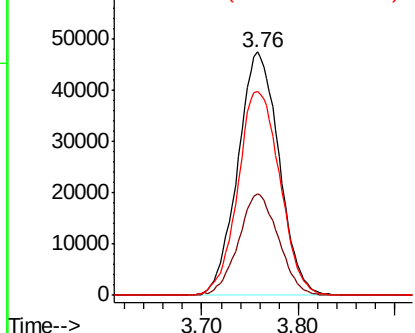
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.06 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion:101 Resp: 140547
 Ion Ratio Lower Upper
 101 100
 85 40.4 33.3 49.9
 151 85.5 68.2 102.2

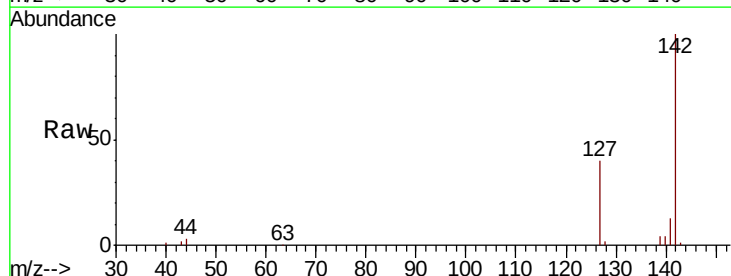


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

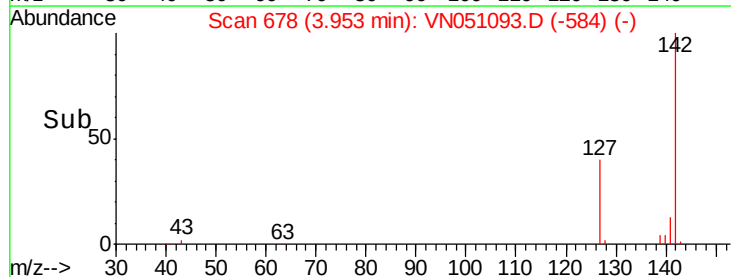
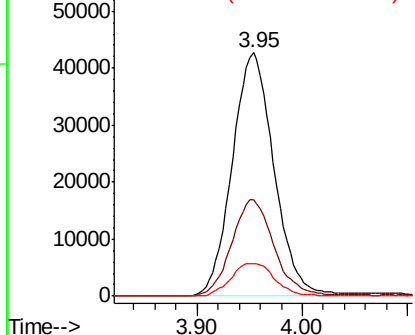


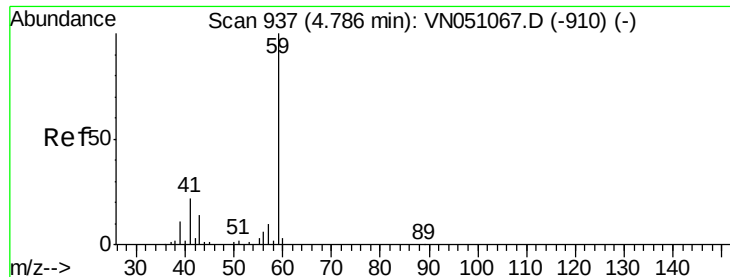
#10
 Methyl Iodide
 Concen: 20.76 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion:142 Resp: 117562
 Ion Ratio Lower Upper
 142 100
 127 40.2 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: 91.19 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.01 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

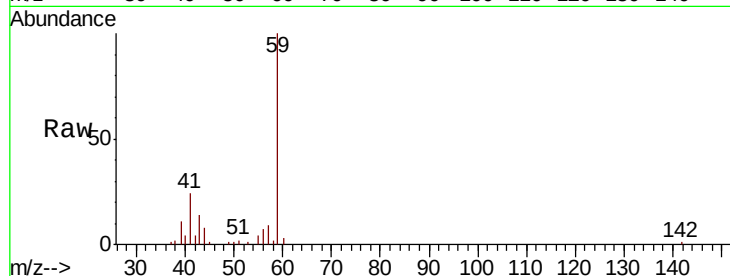
VN0910WBS02

Tot Ion: 59 Resp: 50561

Ion Ratio Lower Upper

59 100

57 5.5 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.79

15000

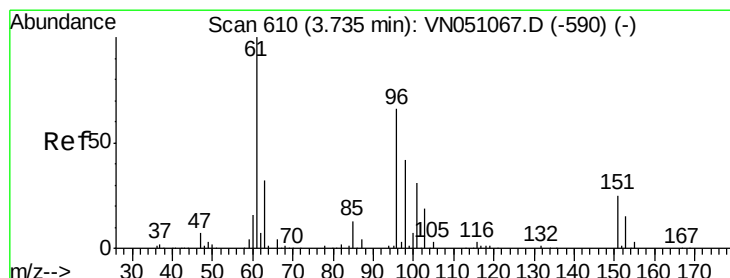
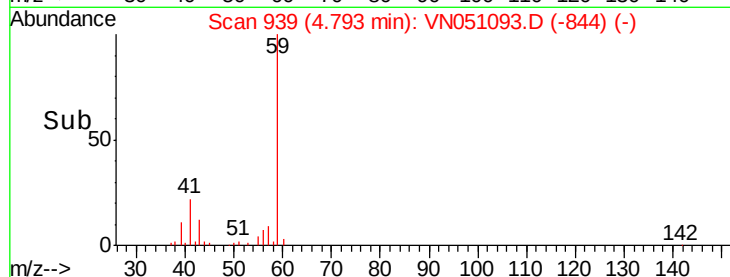
10000

5000

0

Time-->

4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 19.03 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

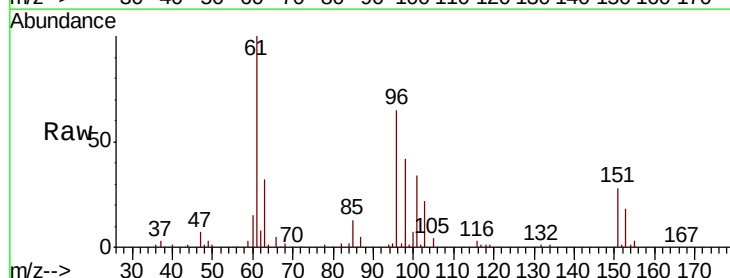
Tgt Ion: 96 Resp: 132391

Ion Ratio Lower Upper

96 100

61 154.7 120.3 180.5

98 65.2 50.8 76.2



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

100000

80000

60000

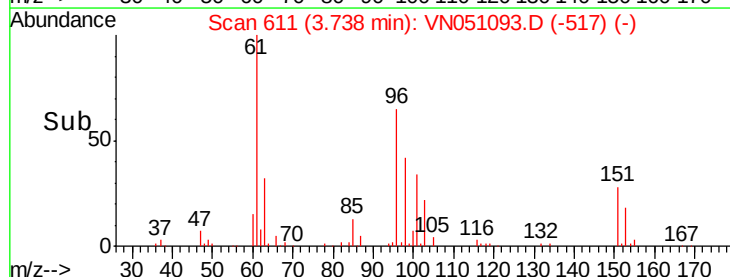
40000

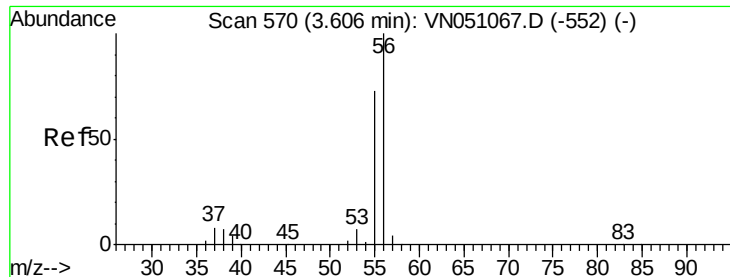
20000

0

Time-->

3.70 3.80





#13

Acrolein

Concen: 109.69 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

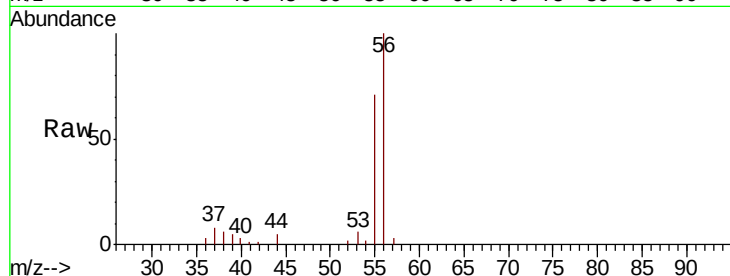
VN0910WBS02

Tot Ion: 56 Resp: 64025

Ion Ratio Lower Upper

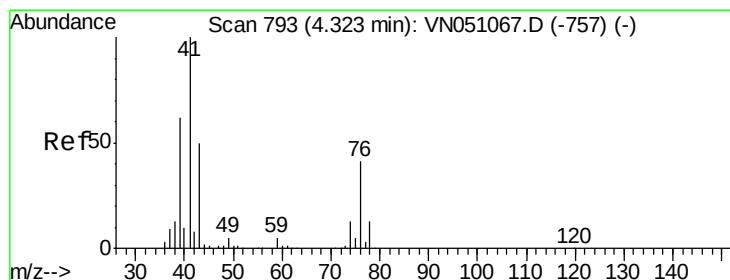
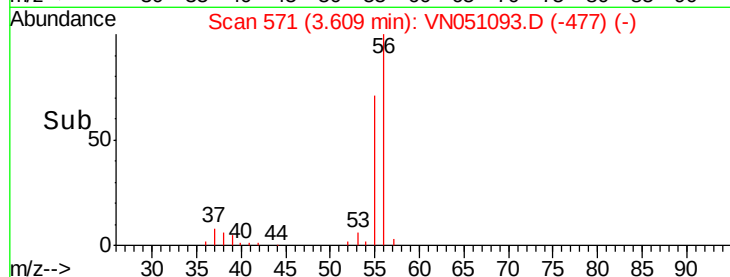
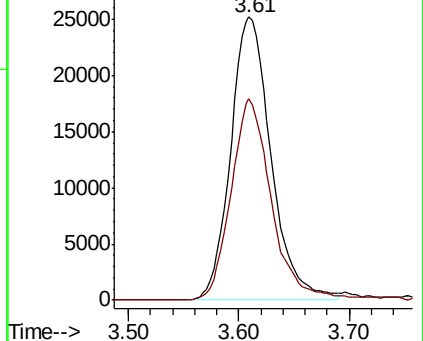
56 100

55 70.9 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.73 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

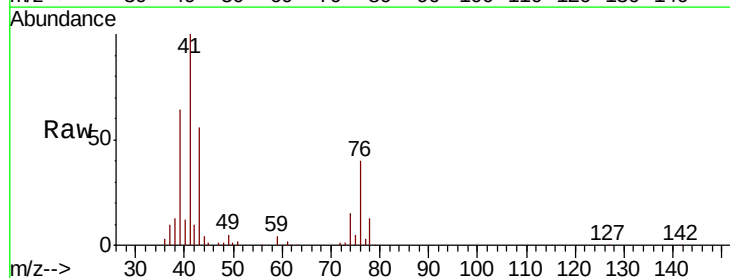
Tgt Ion: 41 Resp: 198545

Ion Ratio Lower Upper

41 100

39 61.0 48.8 73.2

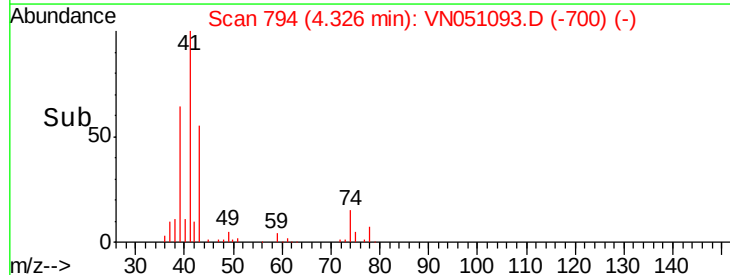
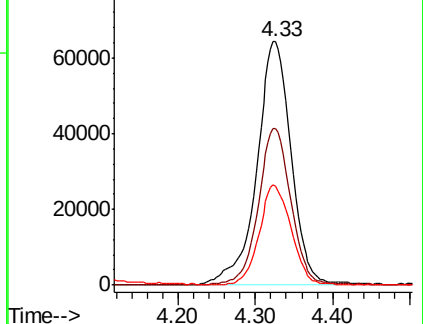
76 37.3 30.6 45.8

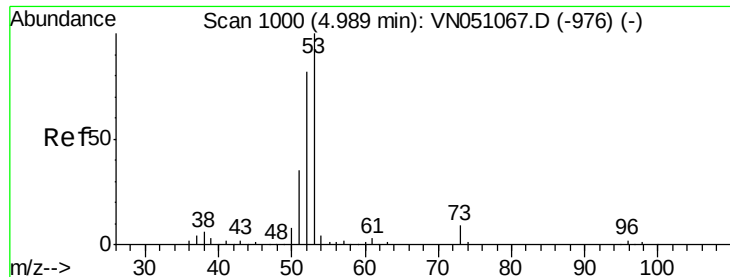


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.23 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

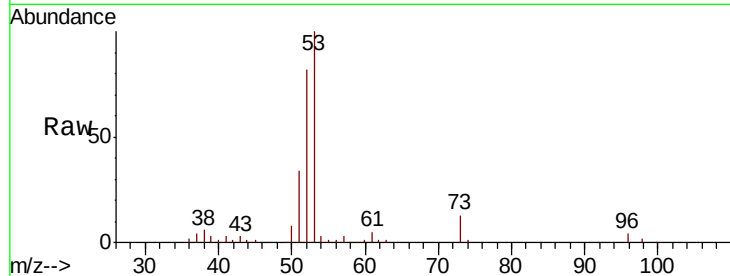
Tot Ion: 53 Resp: 241340

Ion Ratio Lower Upper

53 100

52 80.1 65.3 97.9

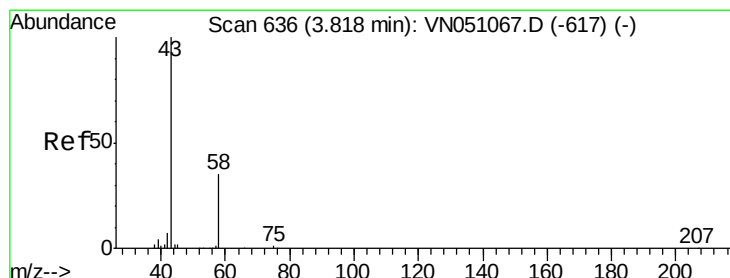
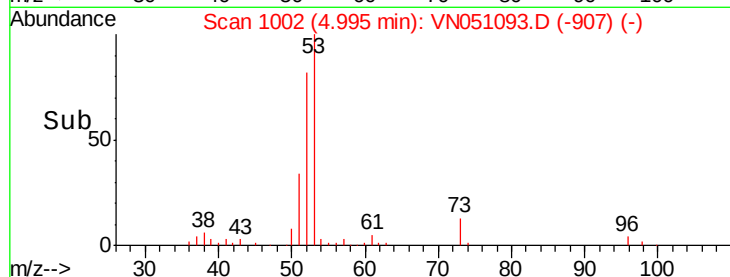
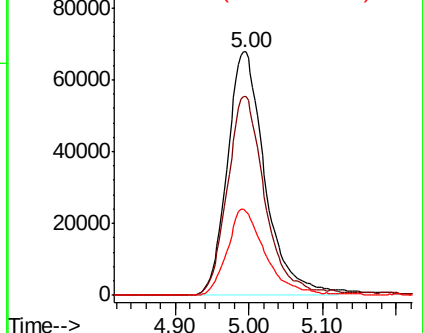
51 35.4 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 86.89 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN051093.D

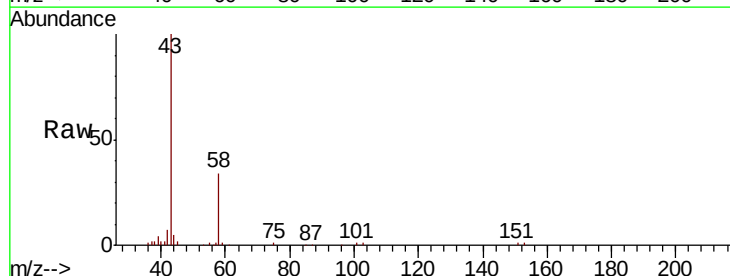
Acq: 10 Sep 2018 22:19

Tgt Ion: 43 Resp: 162792

Ion Ratio Lower Upper

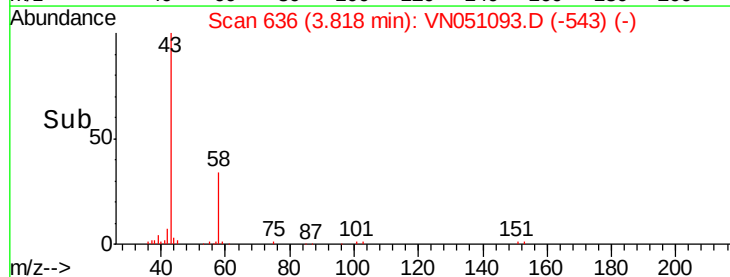
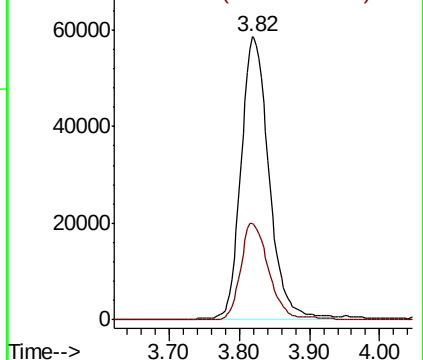
43 100

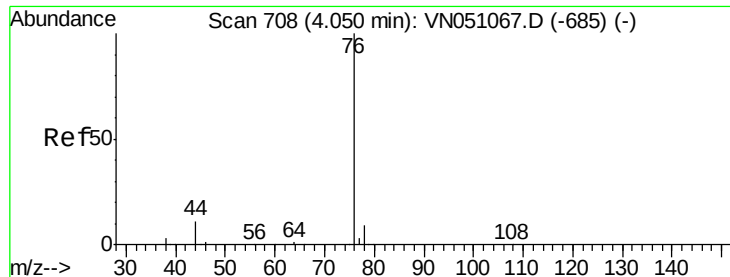
58 34.3 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

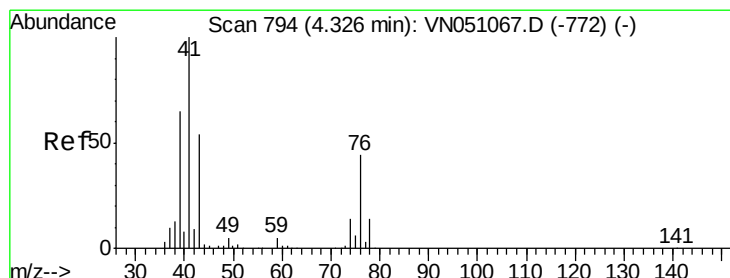
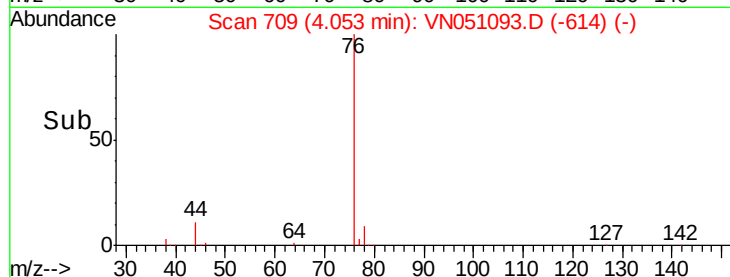
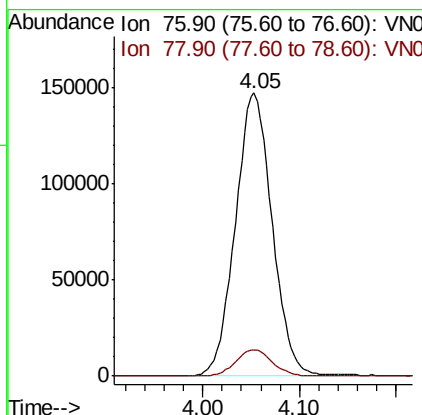
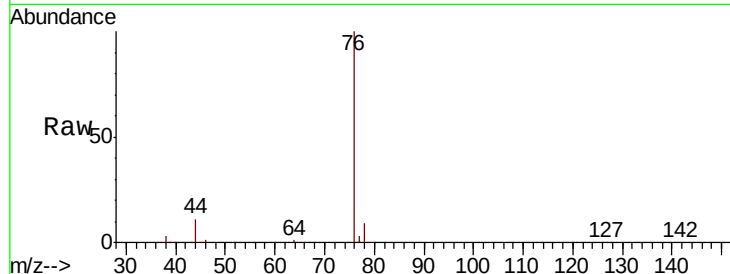




#17
Carbon Disulfide
Concen: 19.05 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

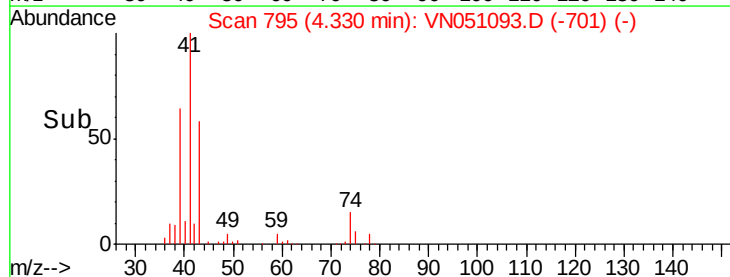
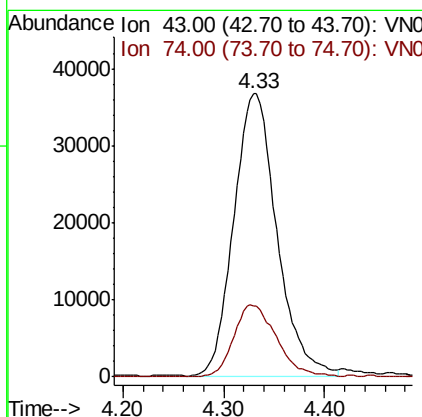
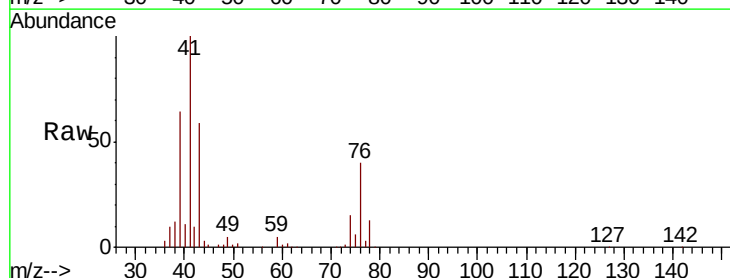
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

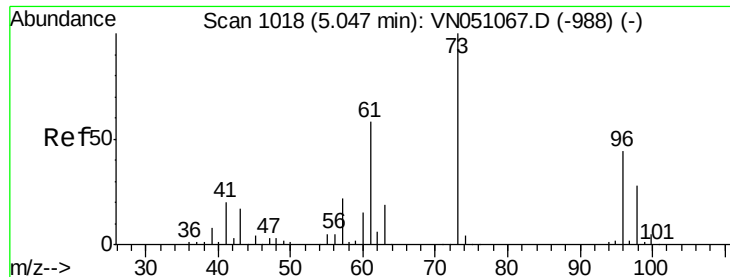
Tot Ion: 76 Resp: 389185
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6



#18
Methyl Acetate
Concen: 18.87 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 43 Resp: 109723
Ion Ratio Lower Upper
43 100
74 25.1 20.7 31.1





#19

Methyl tert-butyl Ether

Concen: 19.54 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampled :

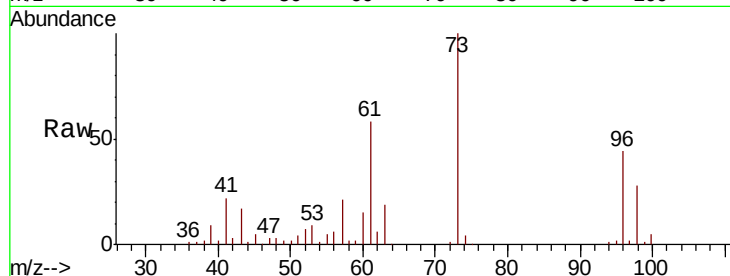
VN0910WBS02

Tot Ion: 73 Resp: 359457

Ion Ratio Lower Upper

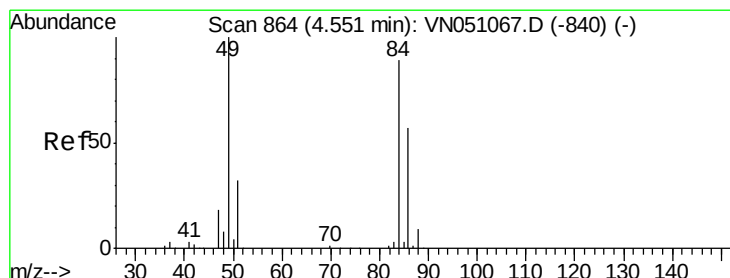
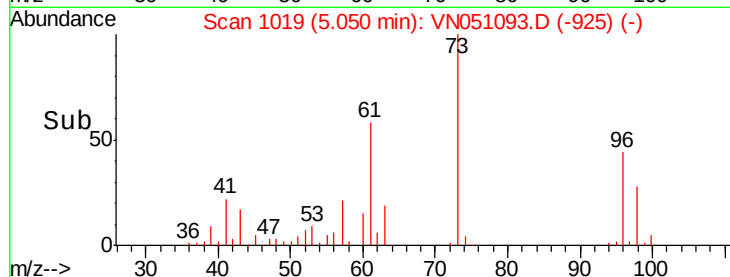
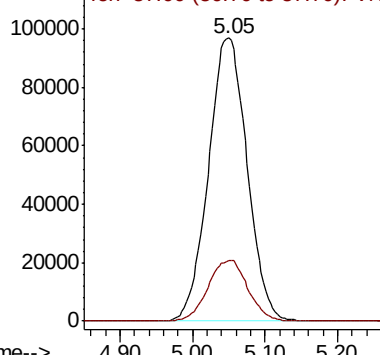
73 100

57 21.2 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 19.16 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Tgt Ion: 84 Resp: 153633

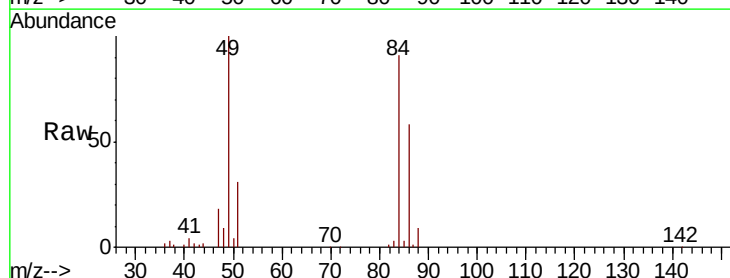
Ion Ratio Lower Upper

84 100

49 109.7 90.2 135.2

51 33.7 28.4 42.6

86 63.5 51.8 77.8

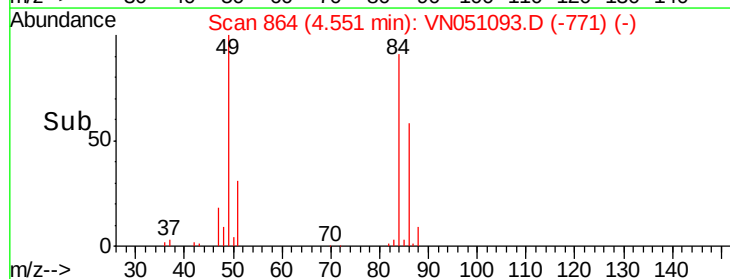
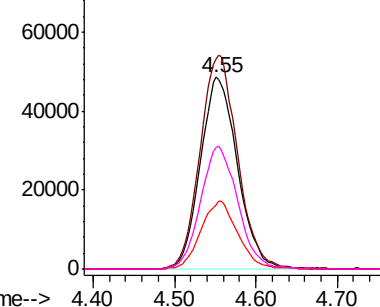


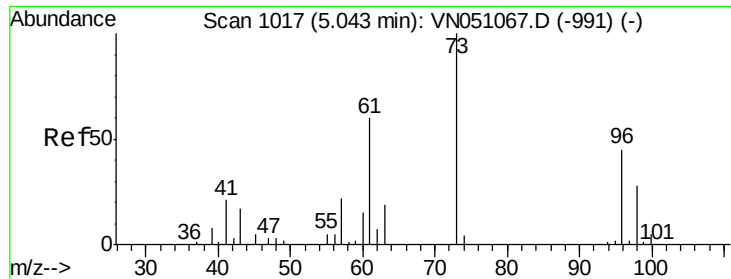
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

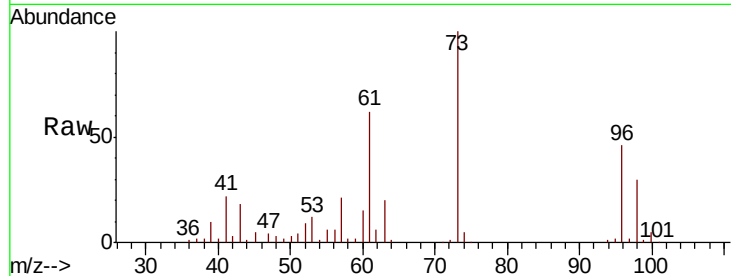




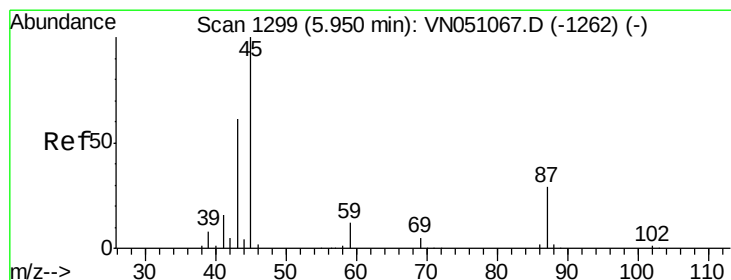
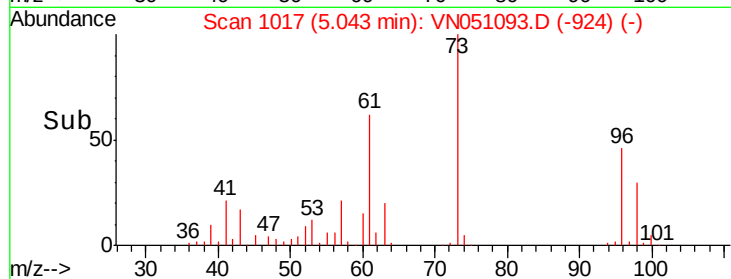
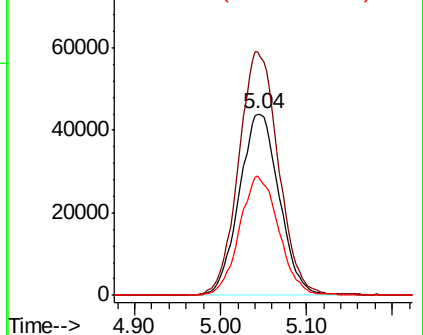
#21
trans-1,2-Dichloroethene
Concen: 18.87 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion: 96 Resp: 142433
Ion Ratio Lower Upper
96 100
61 134.3 106.5 159.7
98 66.0 50.4 75.6

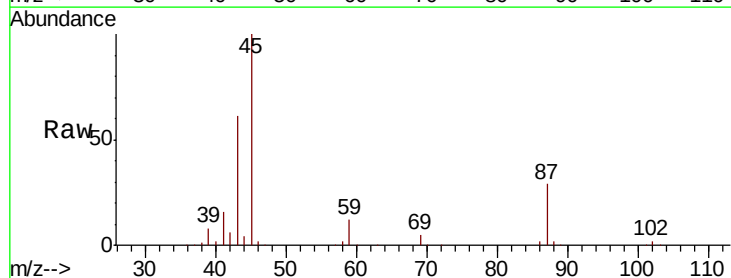


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

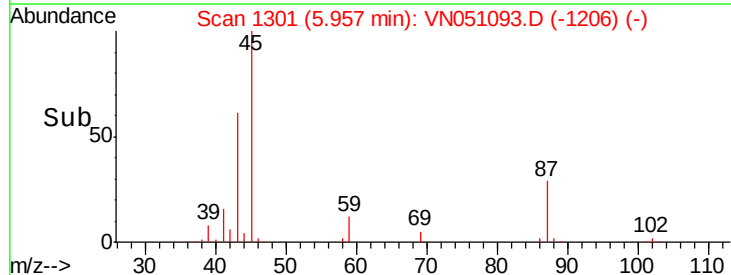
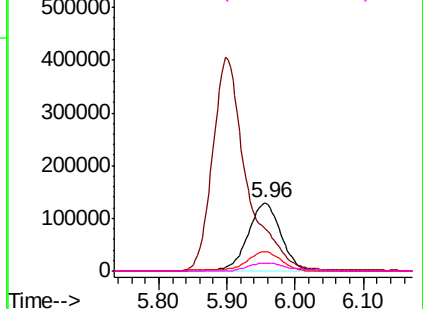


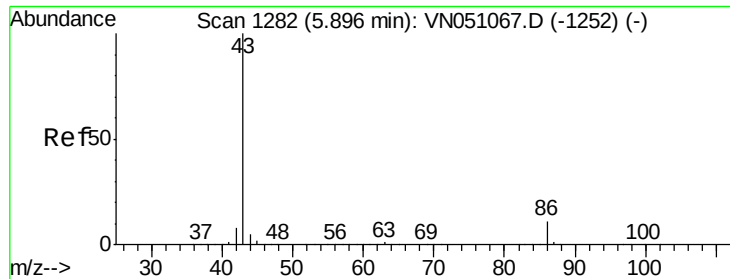
#22
Diisopropyl ether
Concen: 20.57 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 45 Resp: 432821
Ion Ratio Lower Upper
45 100
43 59.6 48.8 73.2
87 29.0 23.8 35.8
59 11.8 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

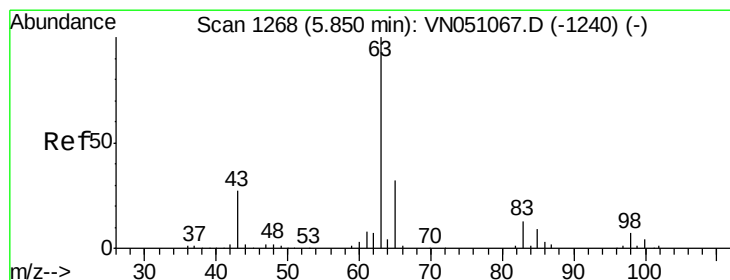
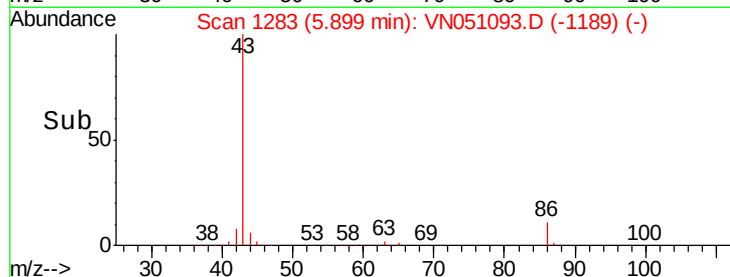
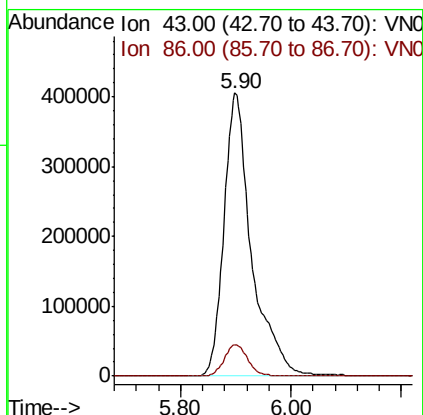
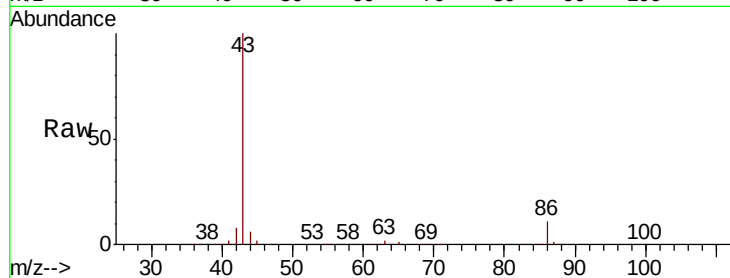




#23
 Vinyl Acetate
 Concen: 98.93 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

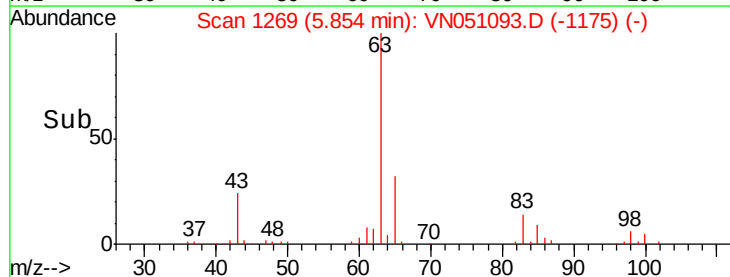
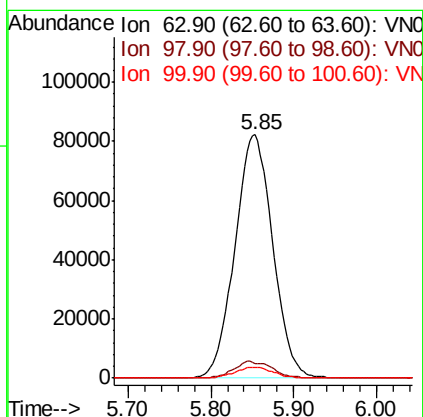
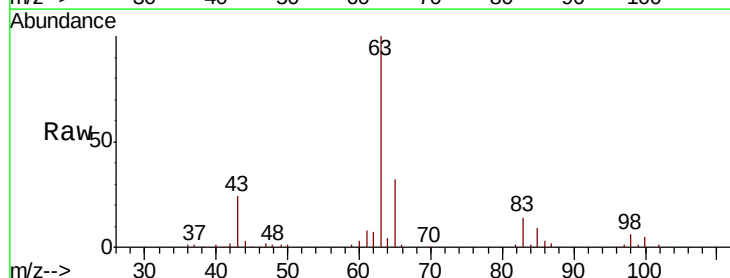
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

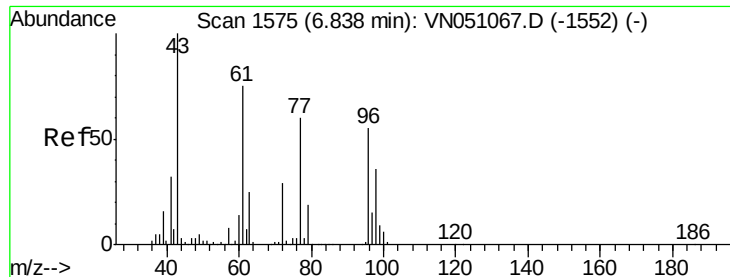
Tot Ion: 43 Resp: 1408804
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 19.56 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion: 63 Resp: 261150
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.4 10.1
 100 4.6 2.1 6.3





#25

2-Butanone

Concen: 89.25 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

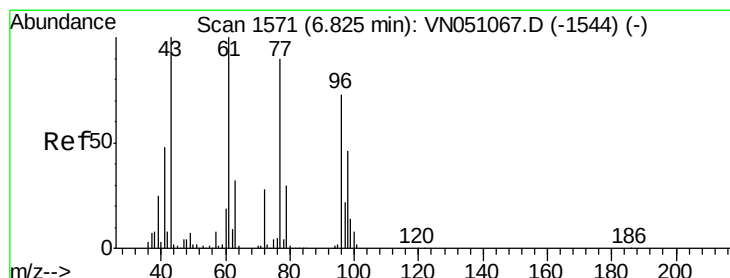
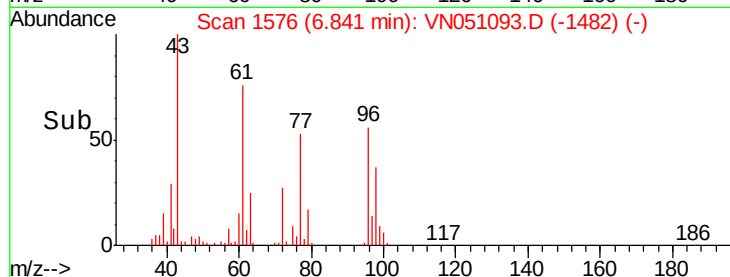
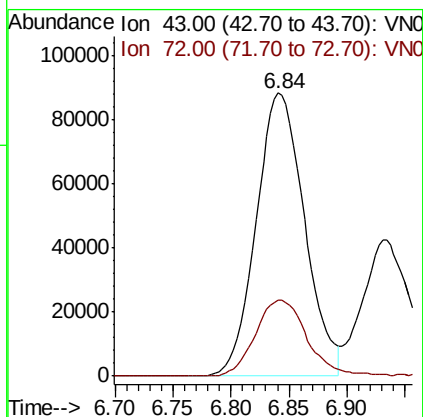
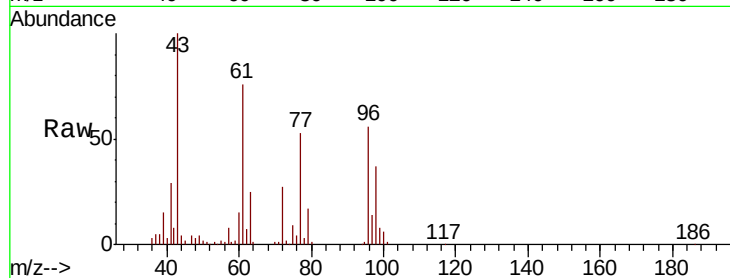
VN0910WBS02

Tot Ion: 43 Resp: 254731

Ion Ratio Lower Upper

43 100

72 26.7 23.0 34.6



#26

2,2-Dichloropropane

Concen: 16.95 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051093.D

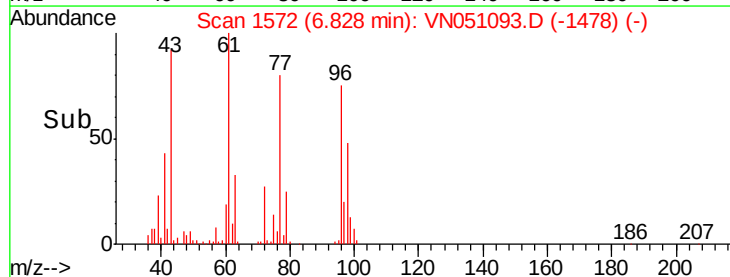
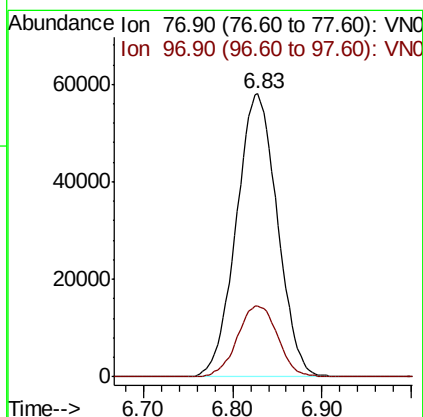
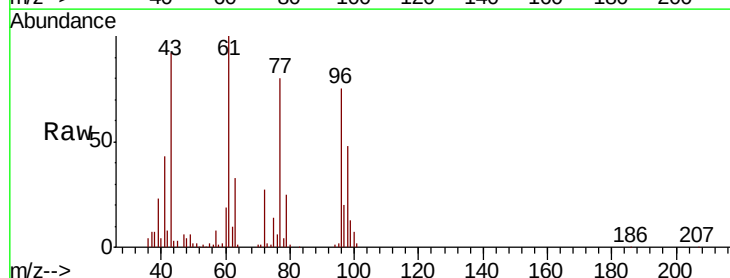
Acq: 10 Sep 2018 22:19

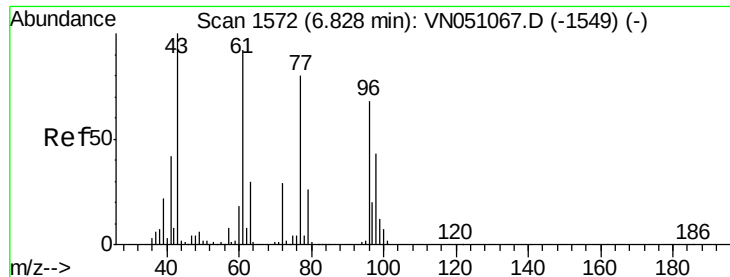
Tgt Ion: 77 Resp: 185206

Ion Ratio Lower Upper

77 100

97 24.7 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.25 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

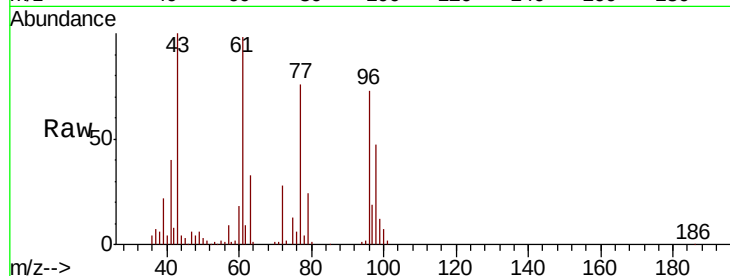
Tot Ion: 96 Resp: 159374

Ion Ratio Lower Upper

96 100

61 136.7 0.0 278.2

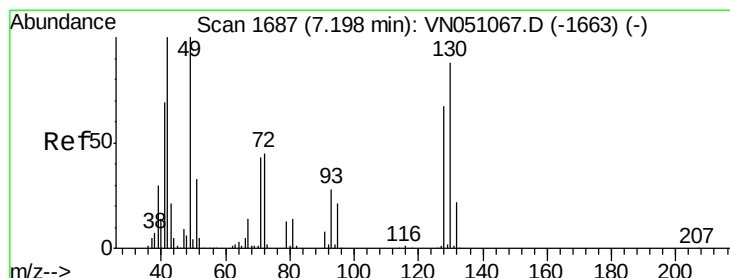
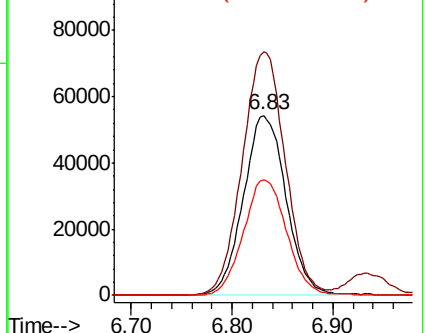
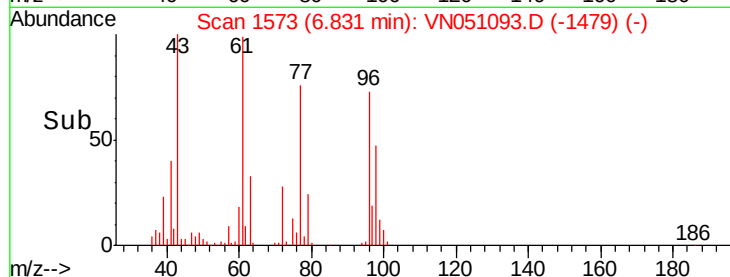
98 65.5 0.0 129.4



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: 19.97 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

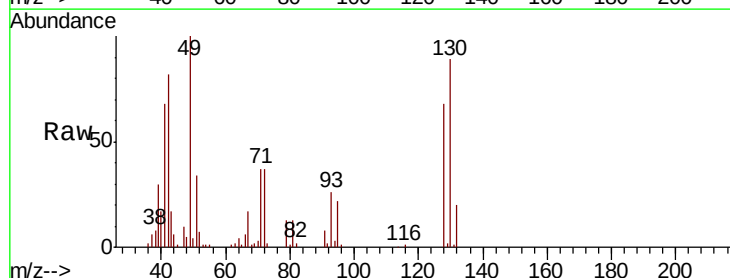
Tgt Ion: 49 Resp: 118682

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

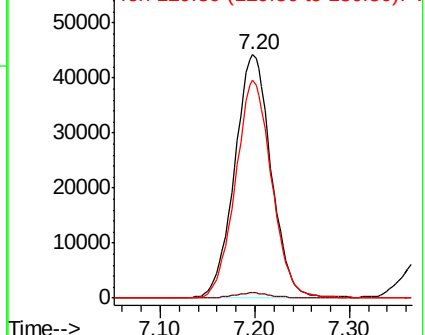
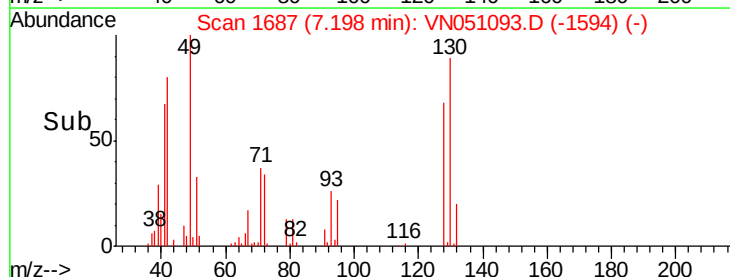
130 88.5 70.7 106.1

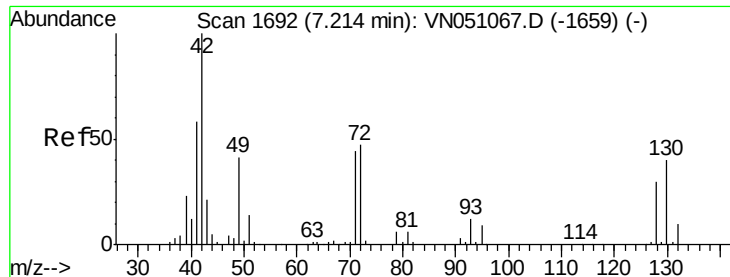


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.26 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

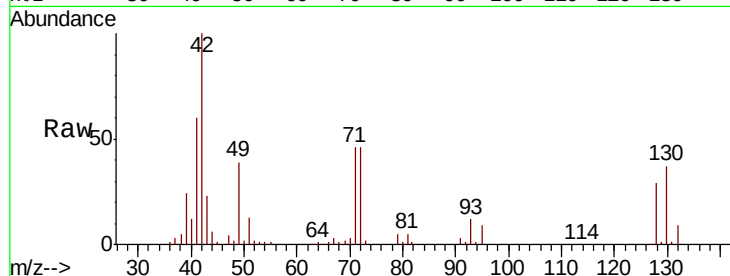
Tot Ion: 42 Resp: 175139

Ion Ratio Lower Upper

42 100

72 46.7 37.4 56.0

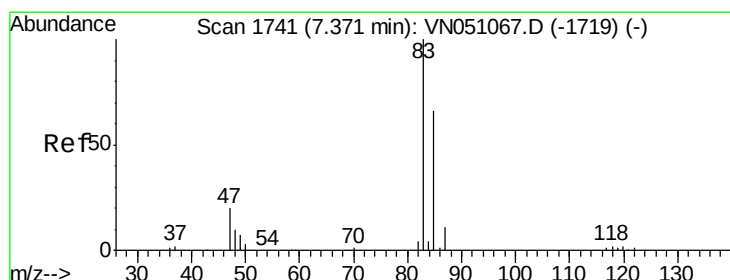
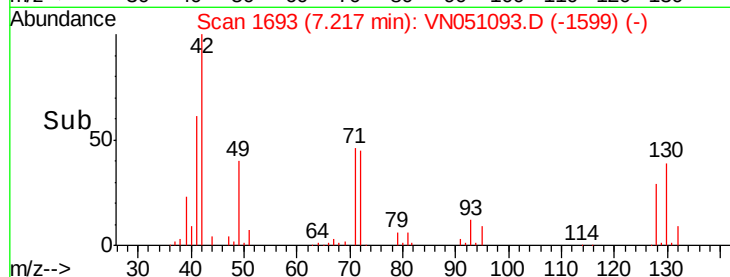
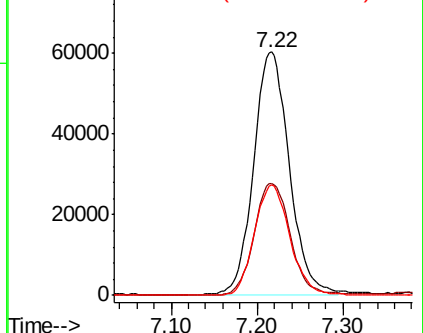
71 44.8 34.7 52.1



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.91 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051093.D

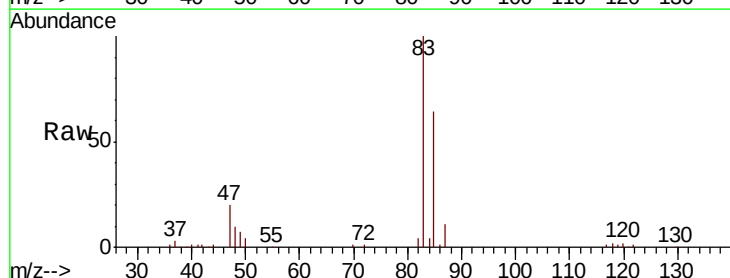
Acq: 10 Sep 2018 22:19

Tgt Ion: 83 Resp: 264391

Ion Ratio Lower Upper

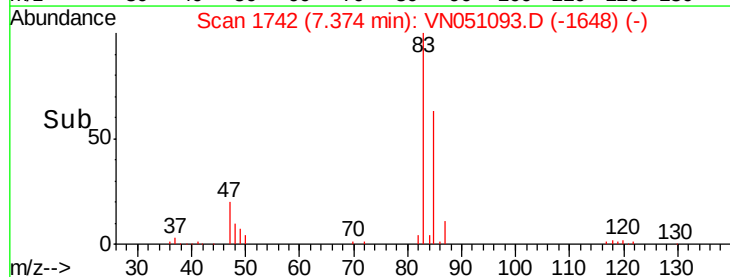
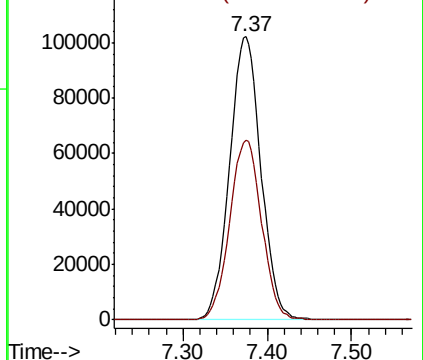
83 100

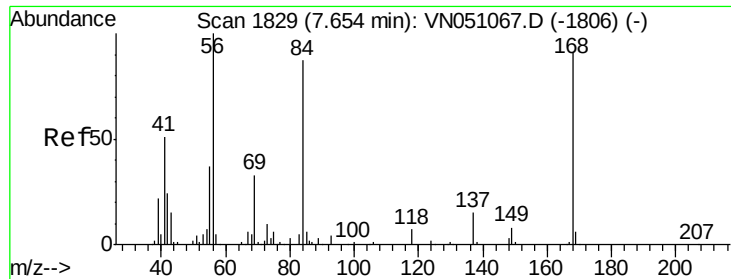
85 63.6 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.50 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS02

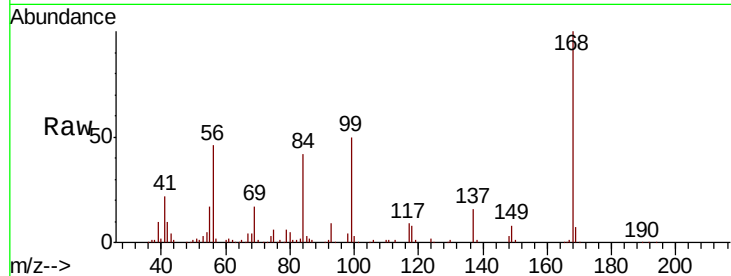
Tot Ion: 56 Resp: 233797

Ion Ratio Lower Upper

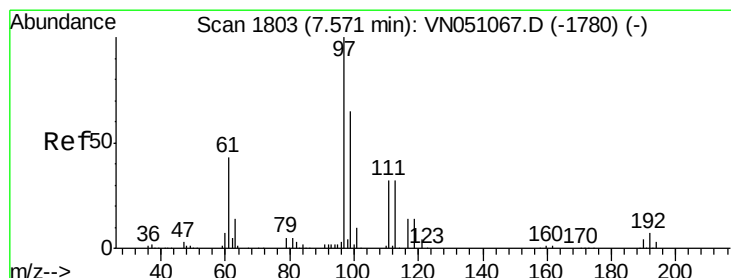
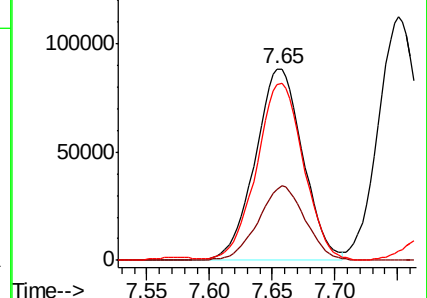
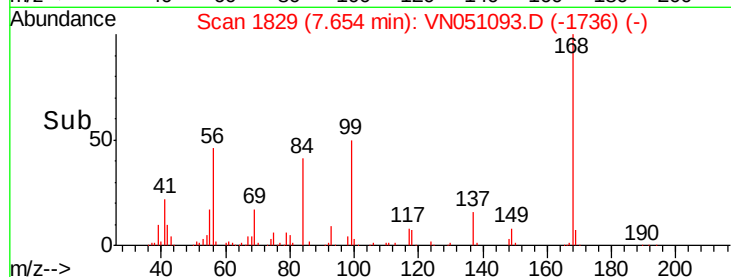
56 100

69 37.2 26.3 39.5

84 91.0 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: 19.87 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

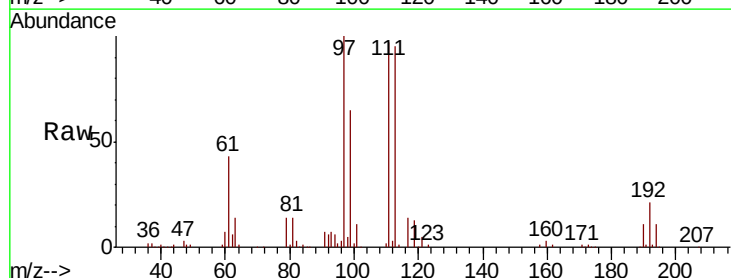
Tgt Ion: 97 Resp: 224829

Ion Ratio Lower Upper

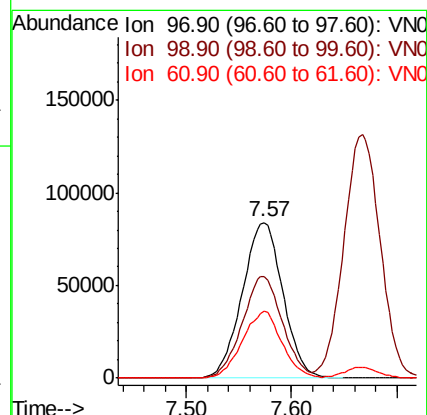
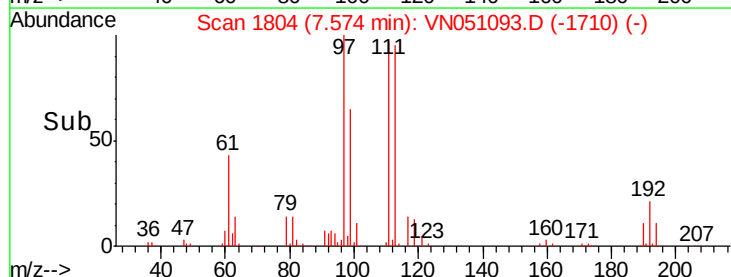
97 100

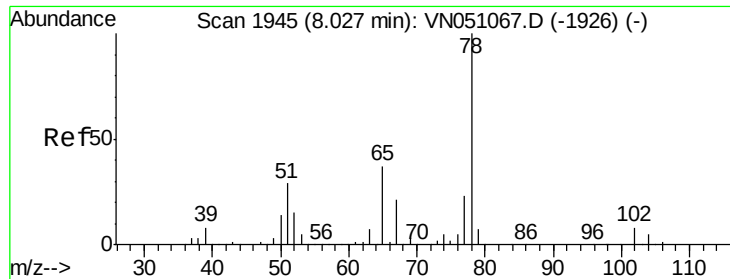
99 64.7 51.6 77.4

61 41.7 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

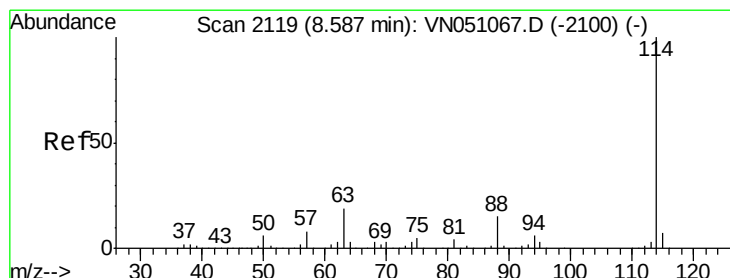
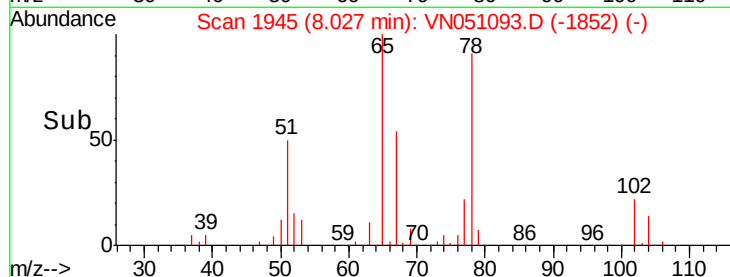
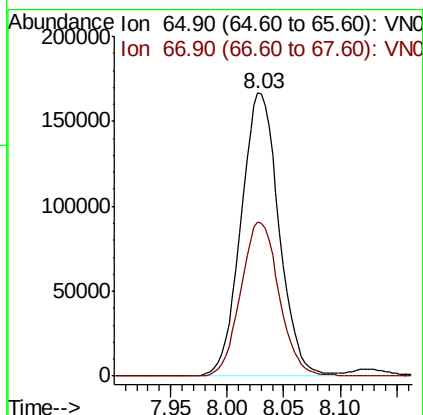
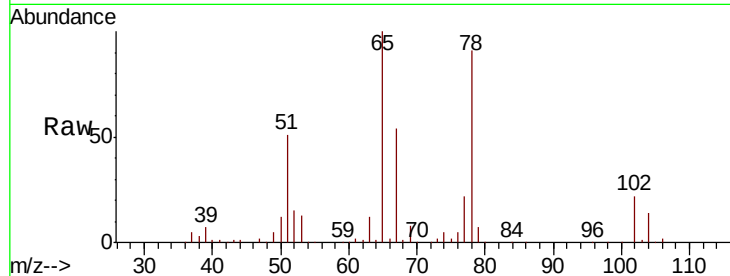




#33
 1,2-Dichloroethane-d4
 Concen: 53.68 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

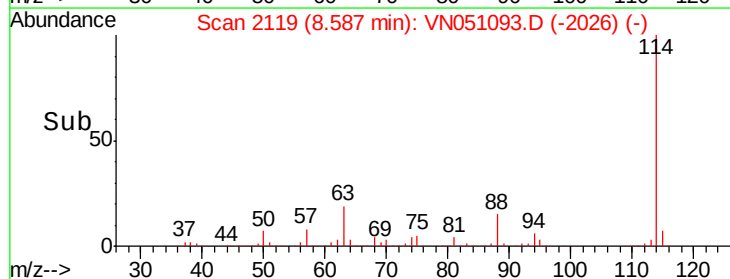
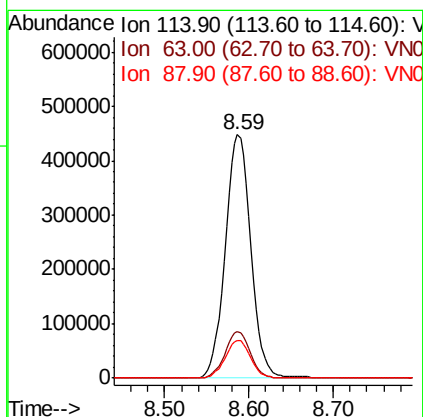
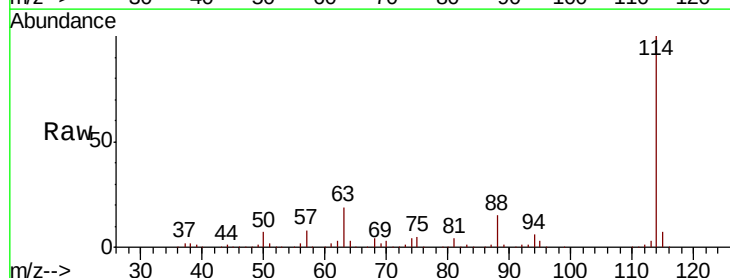
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

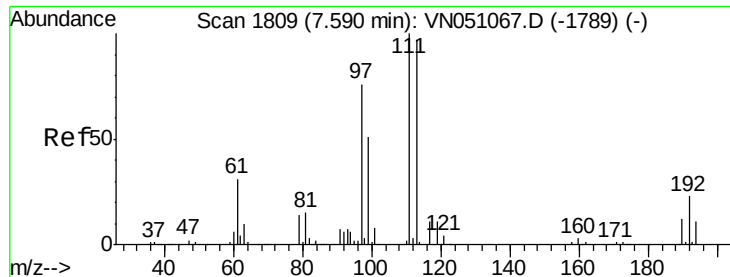
Tot Ion: 65 Resp: 389714
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion: 114 Resp: 942440
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 37.8
 88 15.5 0.0 30.8

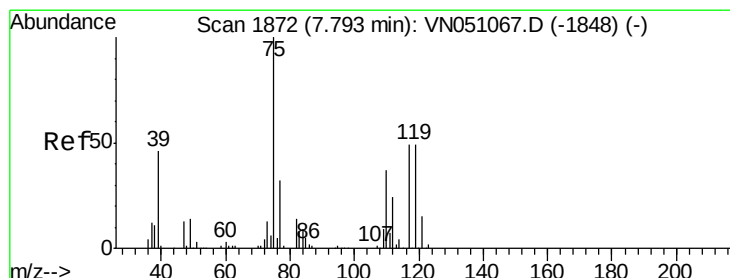
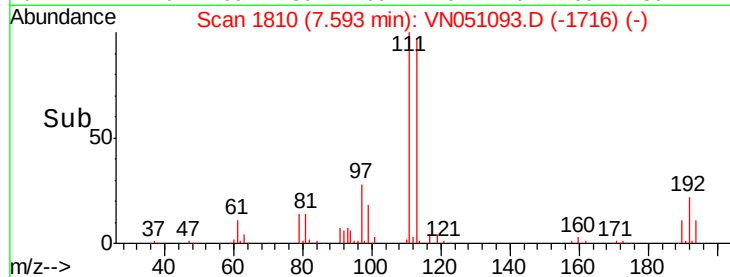
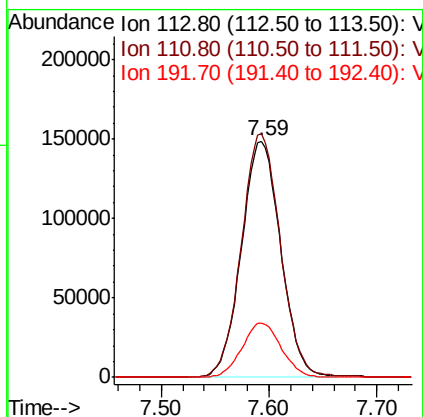
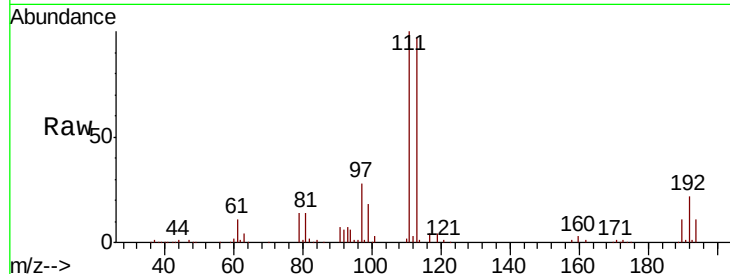




#35
 Dibromofluoromethane
 Concen: 53.18 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

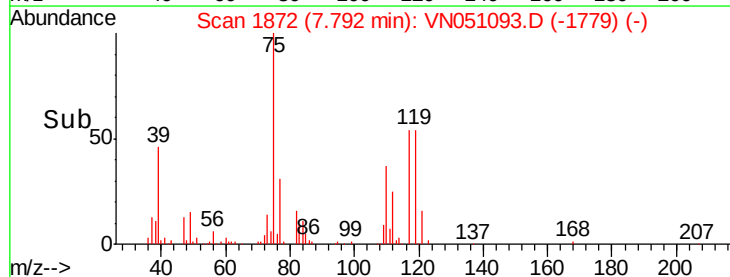
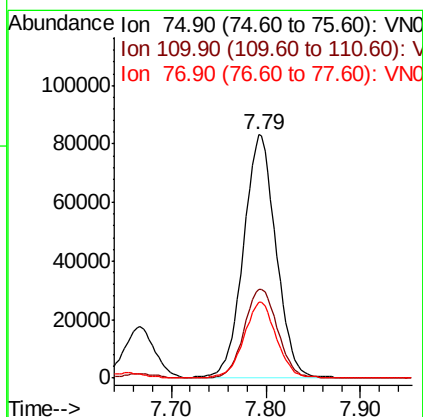
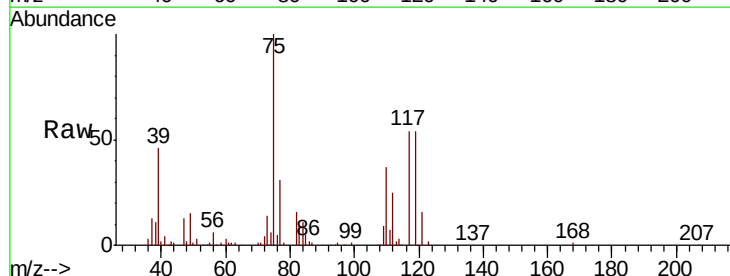
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

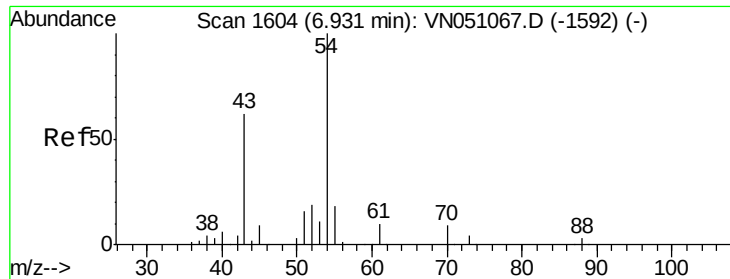
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.0	124.6
192	23.1	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 19.10 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.6	55.8
77	31.5	25.2	37.8

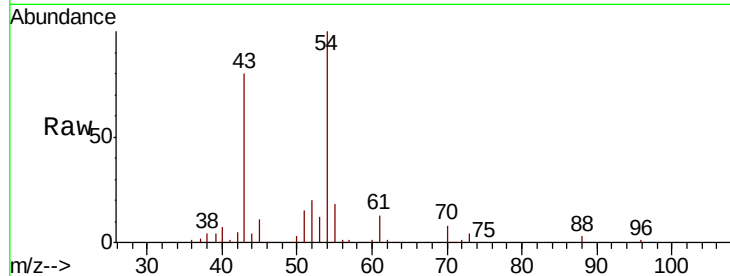




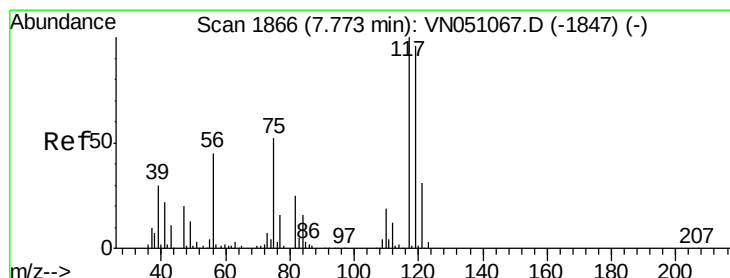
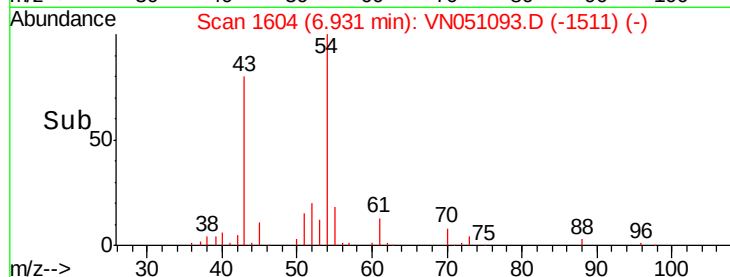
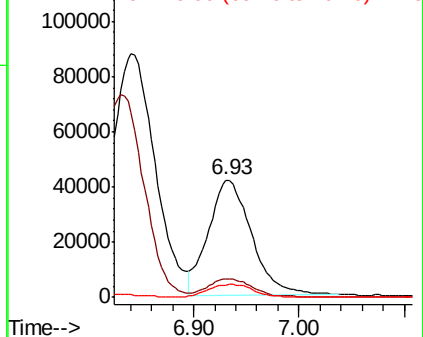
#37
Ethyl Acetate
Concen: 20.01 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion: 43 Resp: 119896
Ion Ratio Lower Upper
43 100
61 15.6 12.4 18.6
70 11.7 9.3 13.9

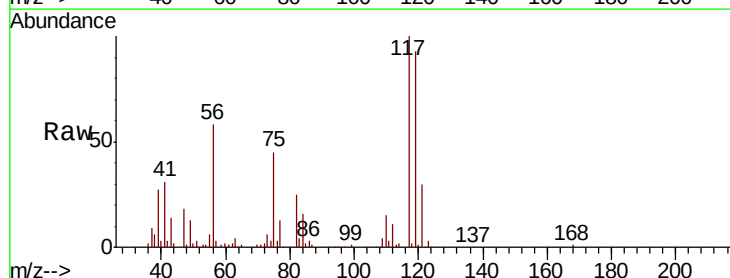


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

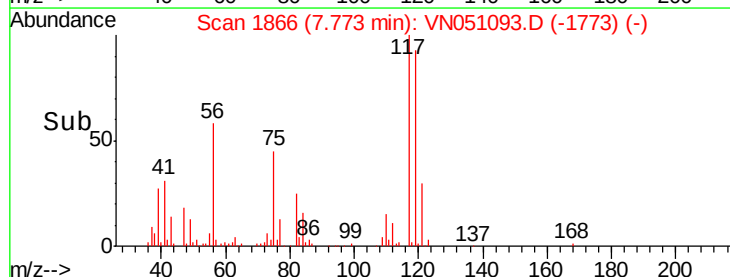
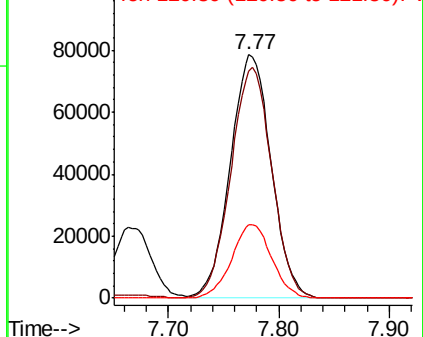


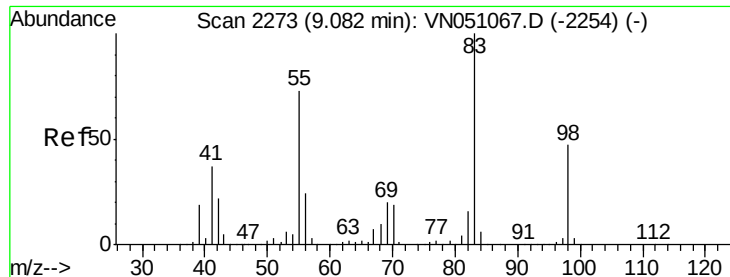
#38
Carbon Tetrachloride
Concen: 19.76 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 117 Resp: 201262
Ion Ratio Lower Upper
117 100
119 93.3 76.8 115.2
121 30.1 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

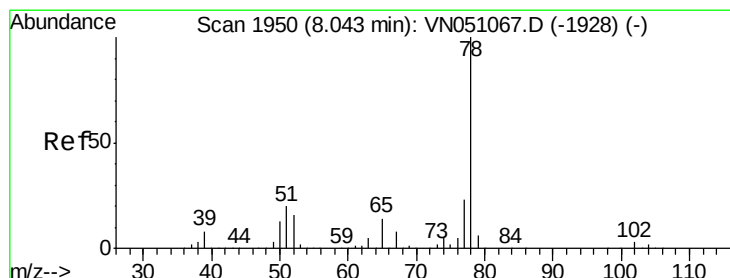
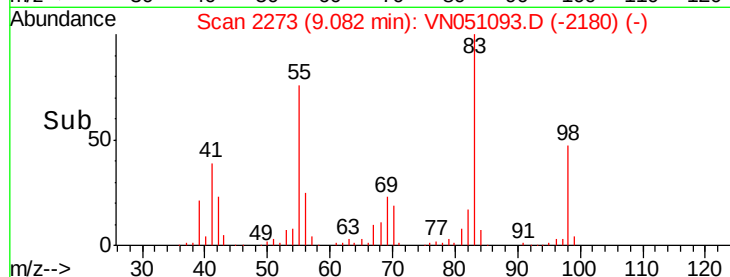
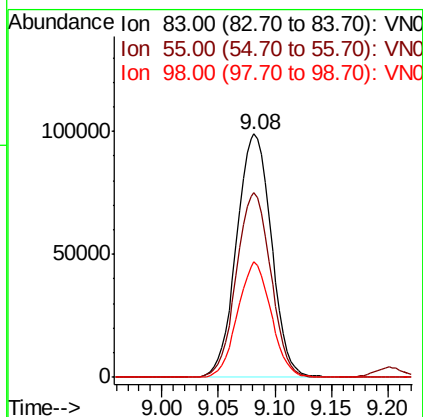
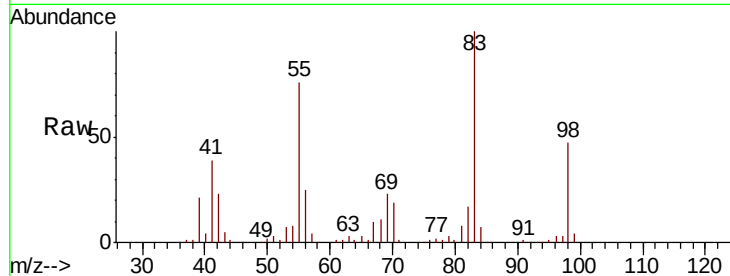




#39
Methylvlcyclohexane
Concen: 18.56 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

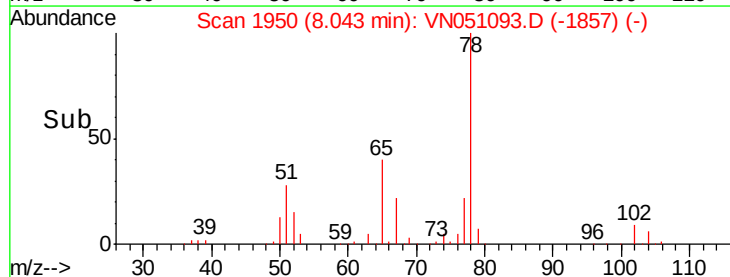
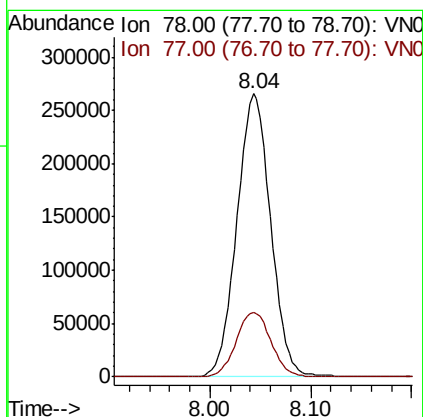
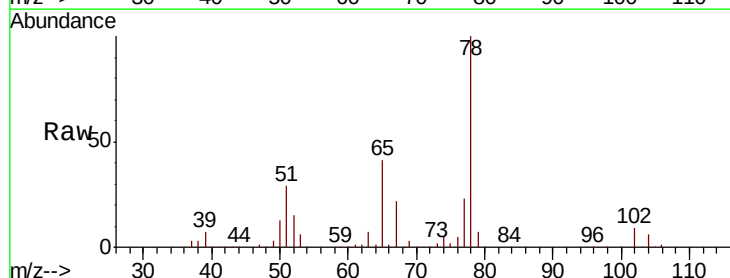
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

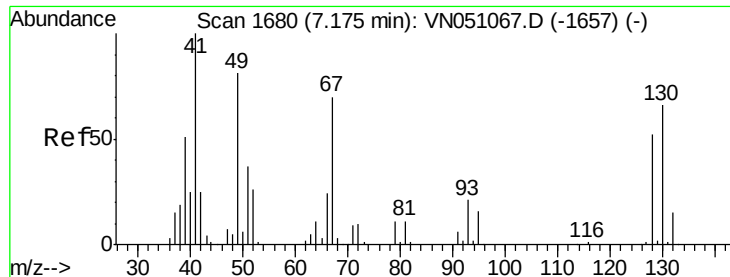
Tot Ion: 83 Resp: 211941
Ion Ratio Lower Upper
83 100
55 75.9 58.4 87.6
98 47.3 37.3 55.9



#40
Benzene
Concen: 19.76 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 78 Resp: 616215
Ion Ratio Lower Upper
78 100
77 22.6 18.6 27.8

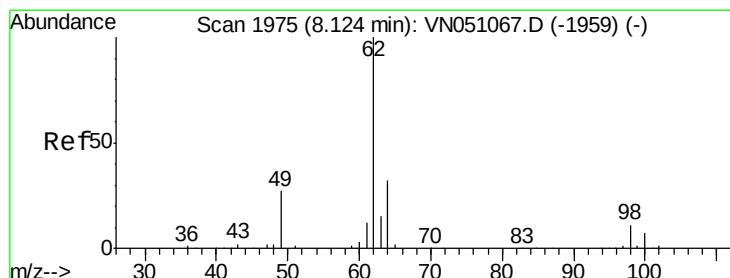
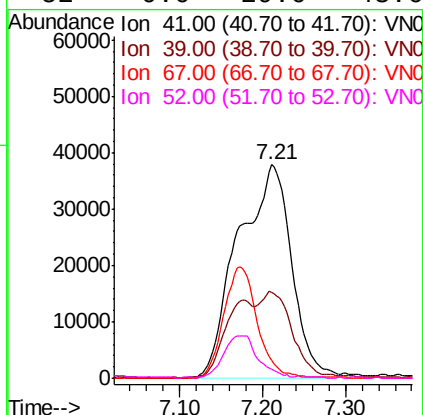
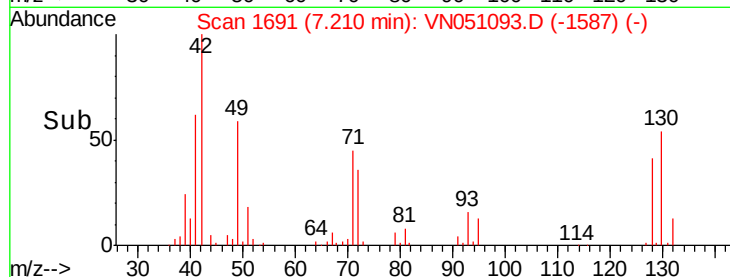
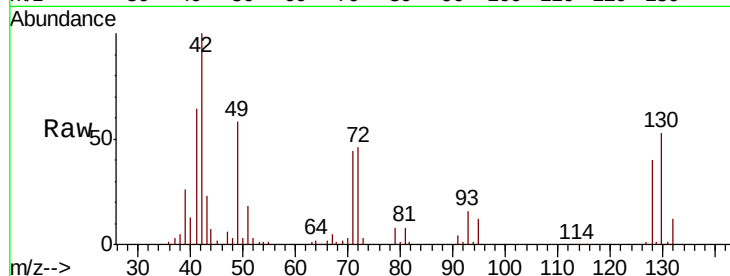




#41
Methacrylonitrile
Concen: 54.87 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.04 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

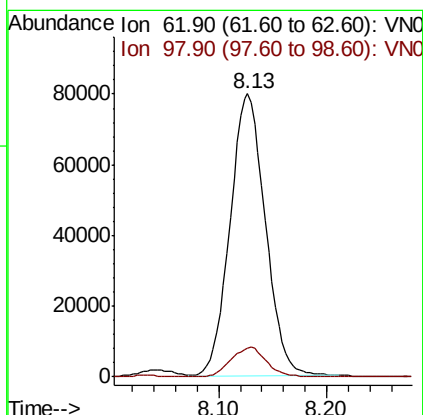
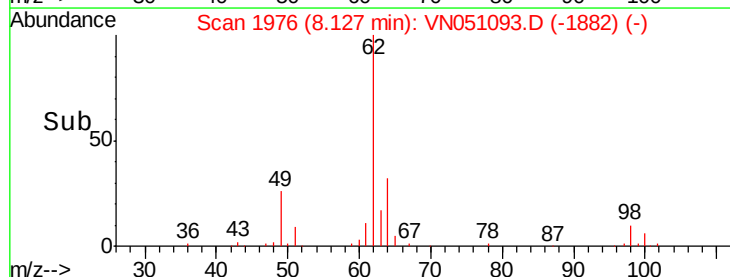
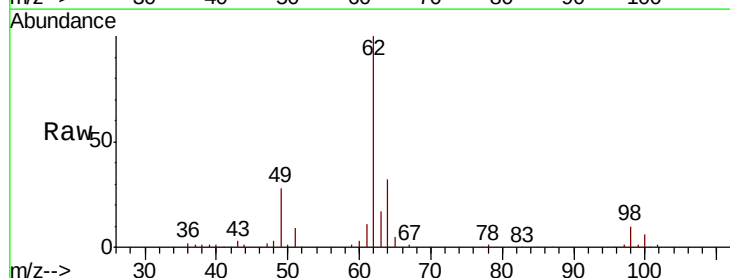
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

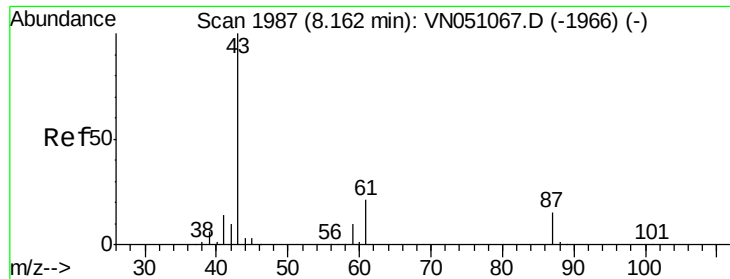
Tot Ion: 41 Resp: 169661
Ion Ratio Lower Upper
41 100
39 0.0 51.3 76.9#
67 0.0 78.5 117.7#
52 0.0 29.0 43.6#



#42
1,2-Dichloroethane
Concen: 20.08 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 62 Resp: 182456
Ion Ratio Lower Upper
62 100
98 10.6 0.0 21.0





#43

Isopropyl Acetate

Concen: 19.52 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

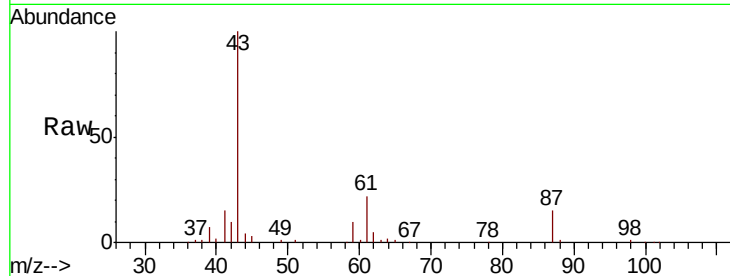
Tot Ion: 43 Resp: 206351

Ion Ratio Lower Upper

43 100

61 22.1 25.0 37.6#

87 14.8 11.8 17.8

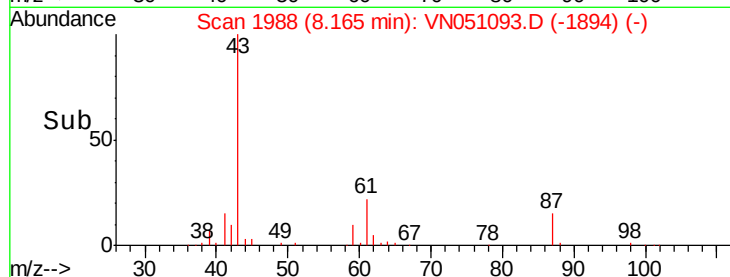


Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

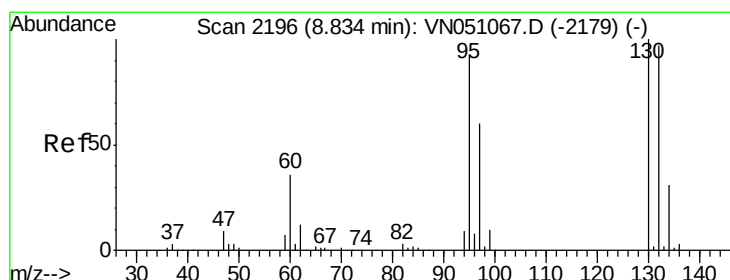
Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

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

8.17



Time-->



#44

Trichloroethene

Concen: 19.10 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051093.D

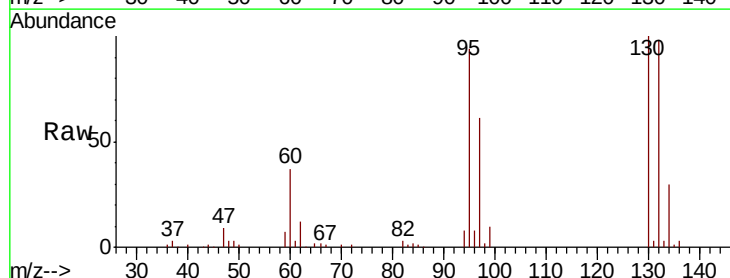
Acq: 10 Sep 2018 22:19

Tgt Ion:130 Resp: 162880

Ion Ratio Lower Upper

130 100

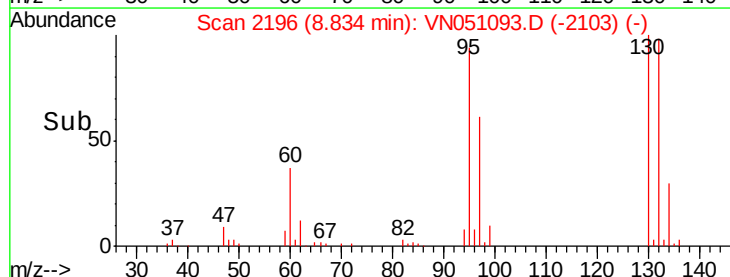
95 94.5 0.0 186.2



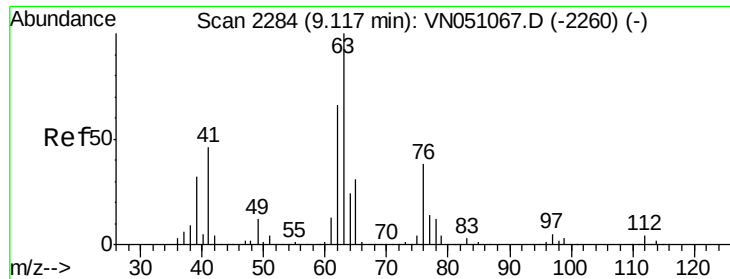
Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

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

8.83



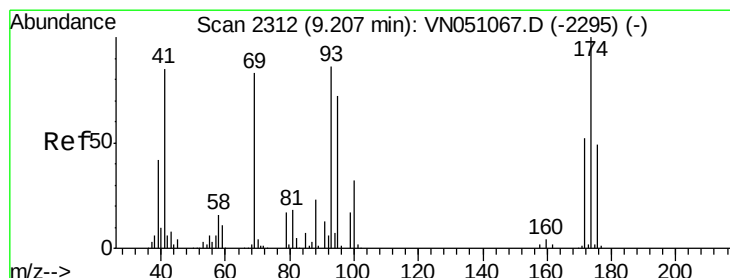
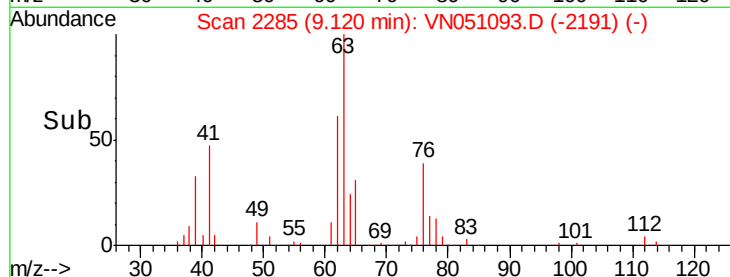
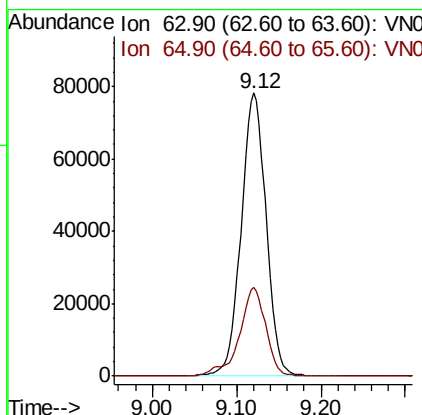
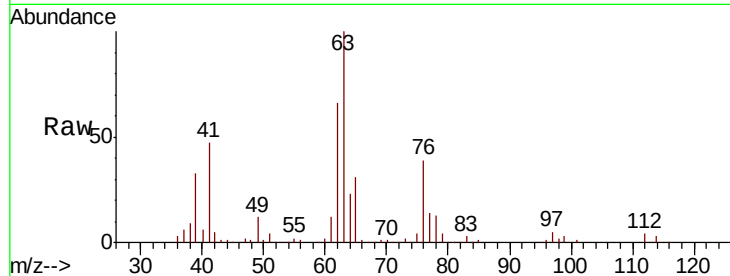
Time-->



#45
 1,2-Dichloropropane
 Concen: 20.06 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

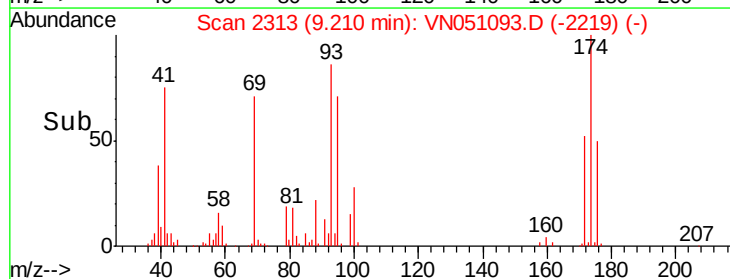
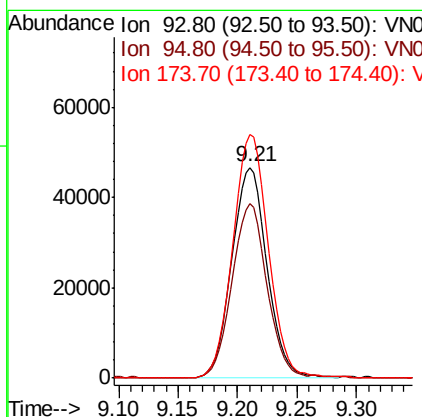
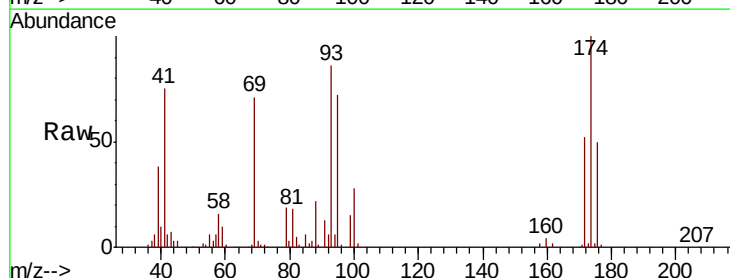
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

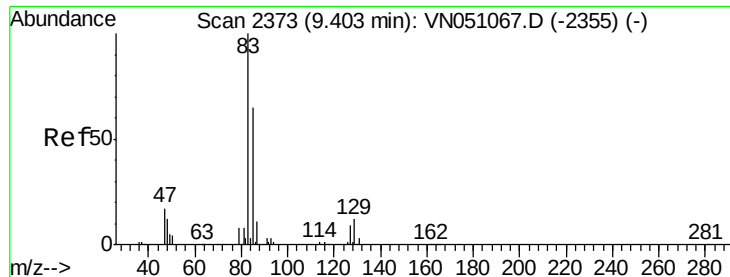
Tot Ion: 63 Resp: 161589
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.7 37.1



#46
 Dibromomethane
 Concen: 19.52 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion: 93 Resp: 95952
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.8 100.2
 174 116.4 93.3 139.9





#47

Bromodichloromethane

Concen: 19.71 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

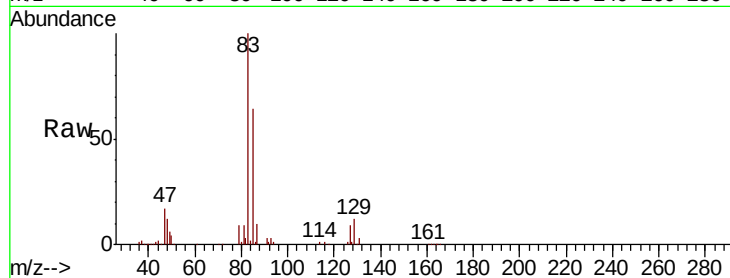
Tot Ion: 83 Resp: 197051

Ion Ratio Lower Upper

83 100

85 64.3 52.3 78.5

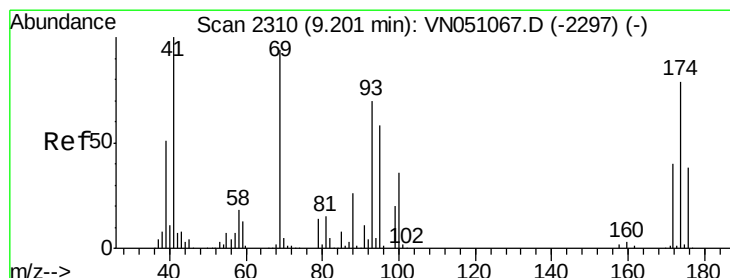
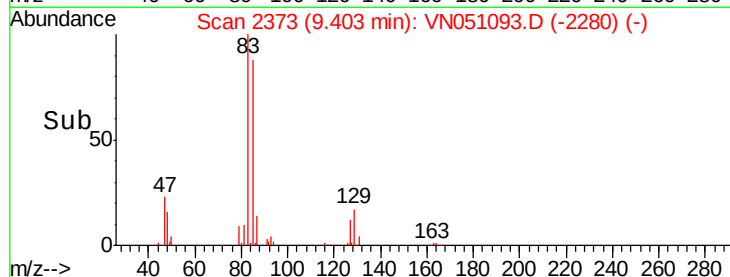
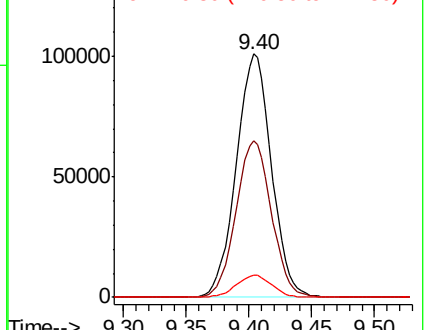
127 9.1 7.5 11.3



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: 20.04 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

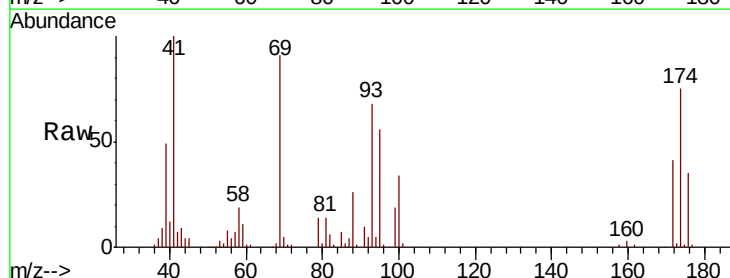
Tgt Ion: 41 Resp: 103282

Ion Ratio Lower Upper

41 100

69 94.6 77.7 116.5

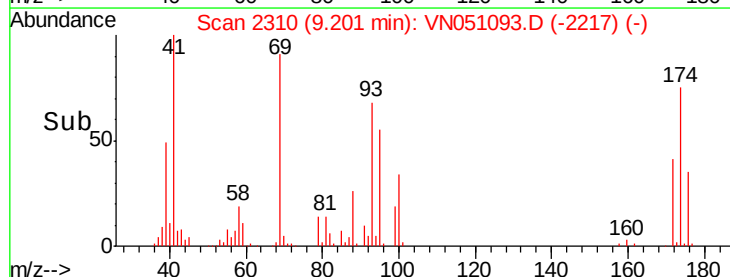
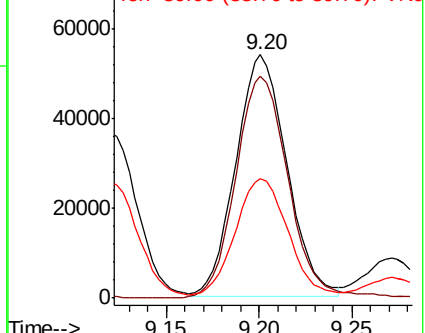
39 51.0 41.6 62.4

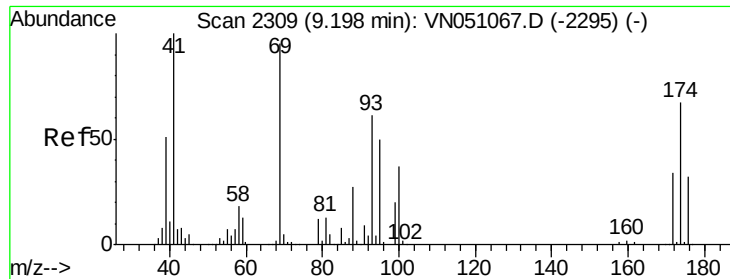


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 377.27 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

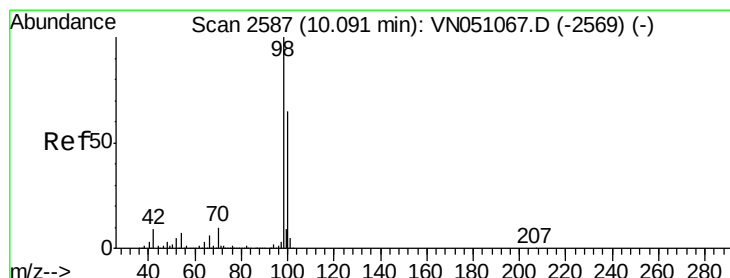
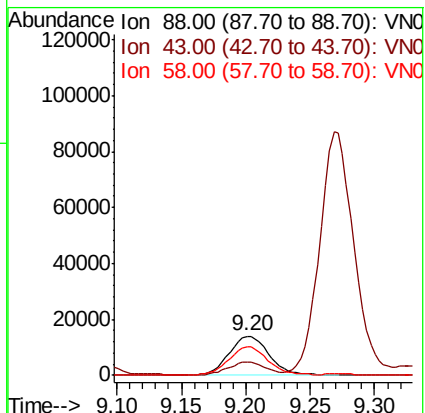
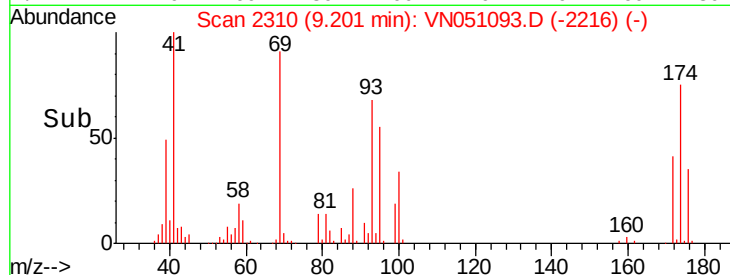
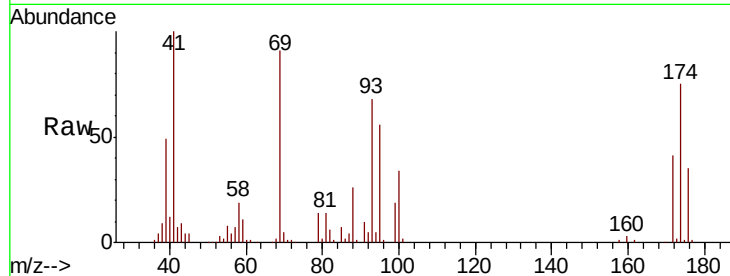
Tot Ion: 88 Resp: 30485

Ion Ratio Lower Upper

88 100

43 33.1 23.7 35.5

58 71.7 54.6 82.0



#50

Toluene-d8

Concen: 53.20 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051093.D

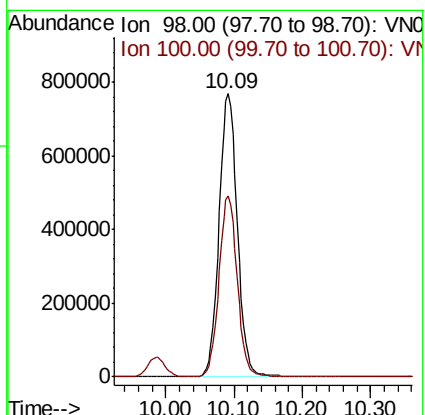
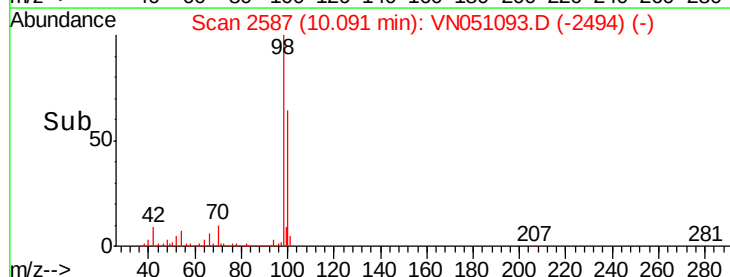
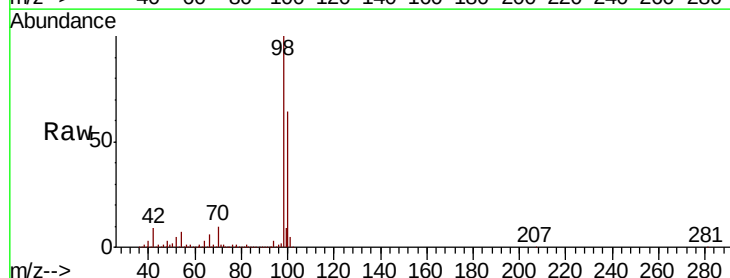
Acq: 10 Sep 2018 22:19

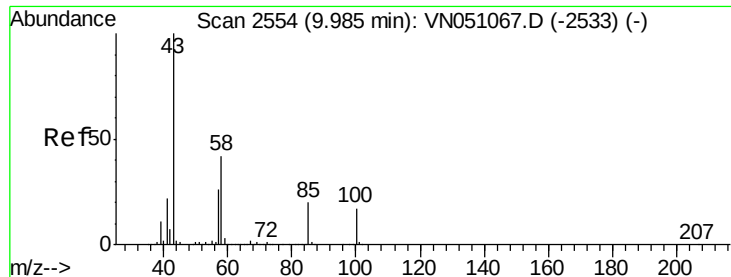
Tgt Ion: 98 Resp: 1429718

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0

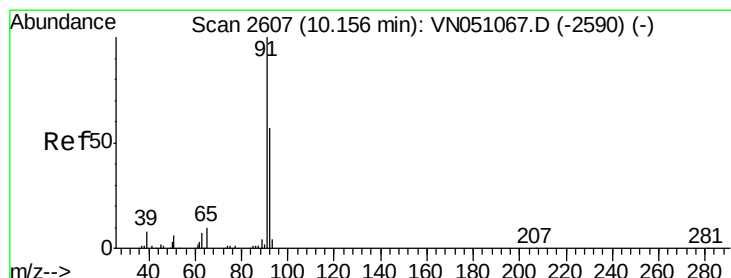
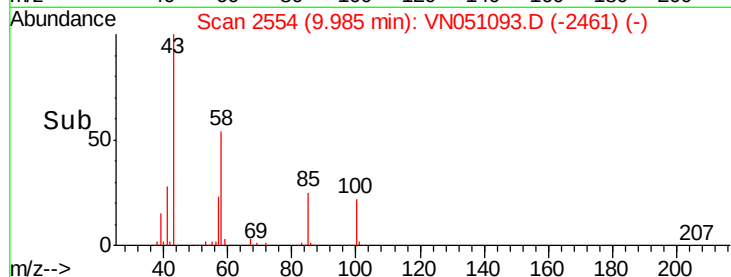
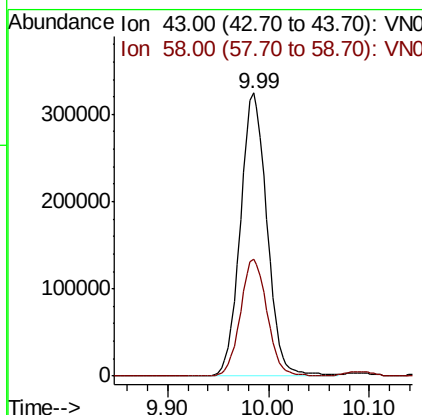
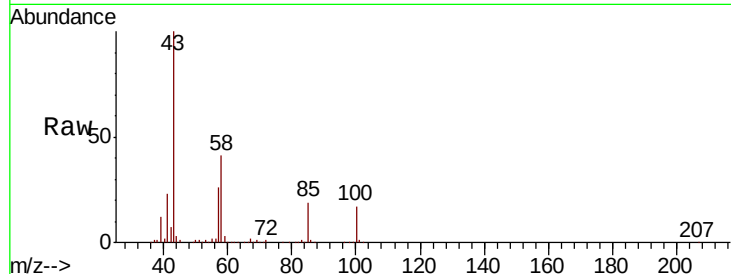




#51
 4-Methyl-2-Pentanone
 Concen: 101.26 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

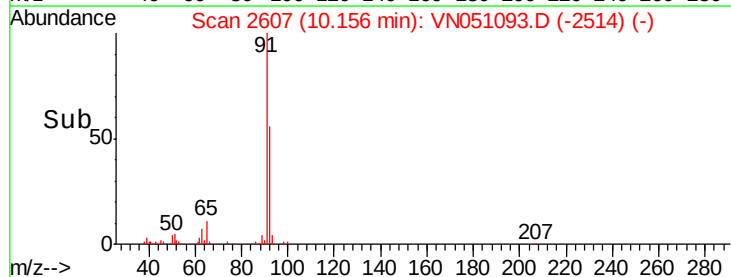
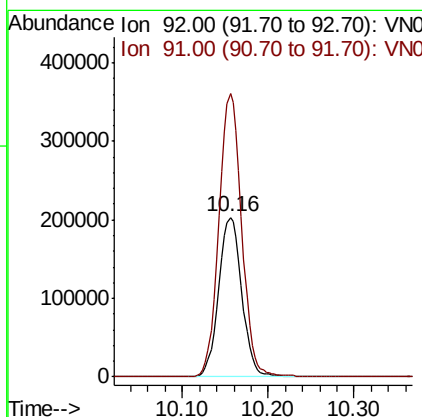
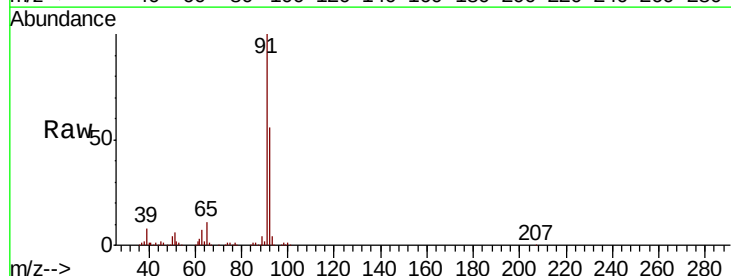
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

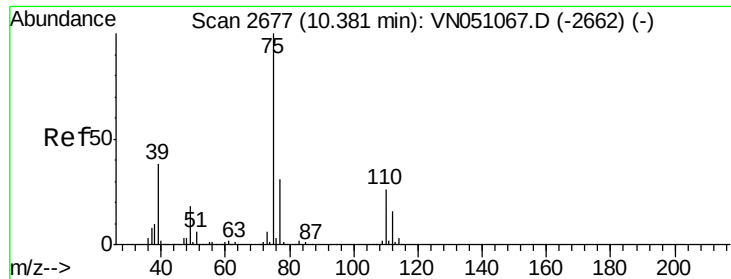
Tot Ion: 43 Resp: 592093
 Ion Ratio Lower Upper
 43 100
 58 41.4 33.5 50.3



#52
 Toluene
 Concen: 20.09 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion: 92 Resp: 381962
 Ion Ratio Lower Upper
 92 100
 91 174.5 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 18.61 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampled :

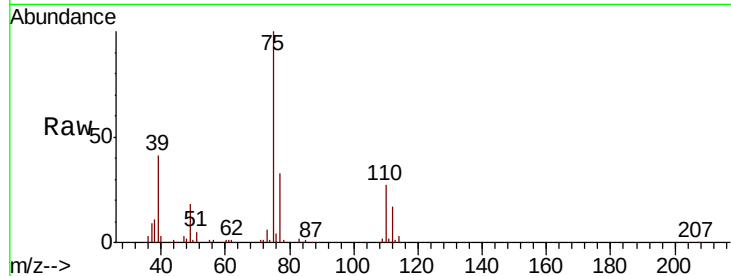
VN0910WBS02

Tot Ion: 75 Resp: 186170

Ion Ratio Lower Upper

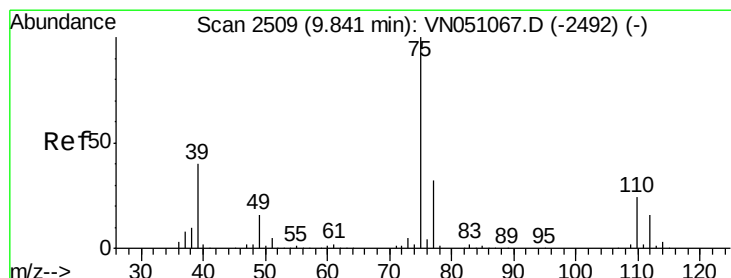
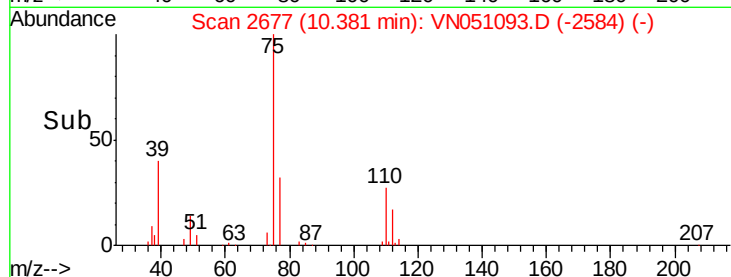
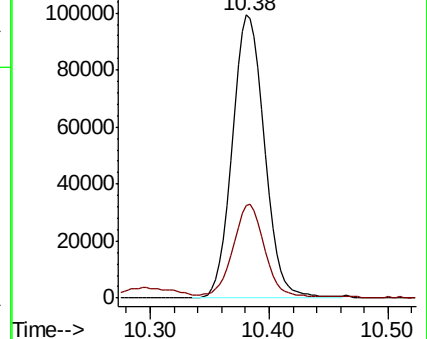
75 100

77 32.5 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.05 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

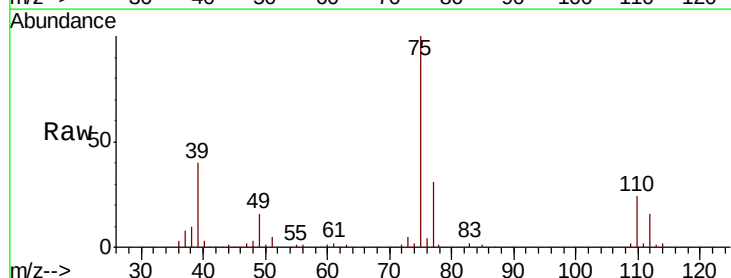
Tgt Ion: 75 Resp: 223447

Ion Ratio Lower Upper

75 100

77 30.9 25.7 38.5

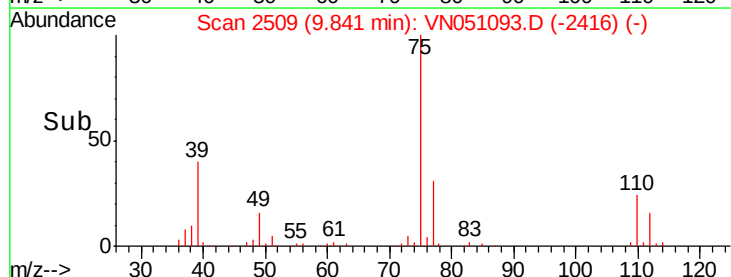
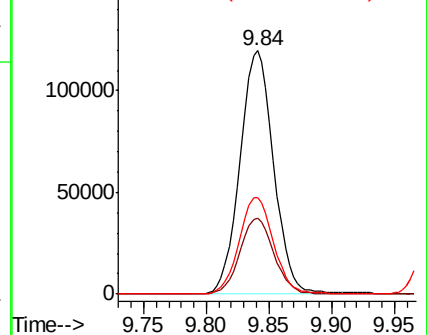
39 39.8 31.9 47.9

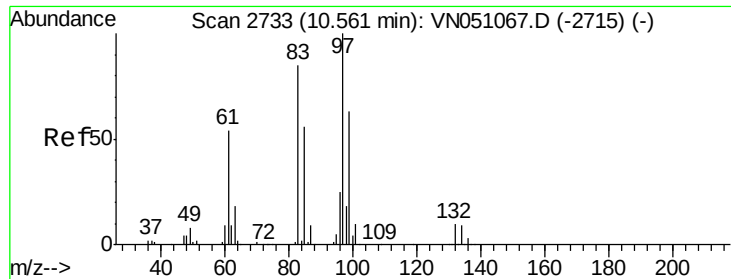


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

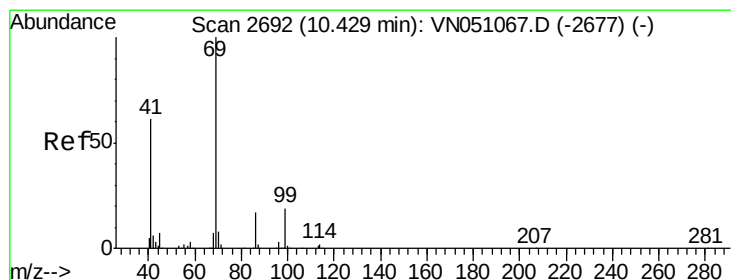
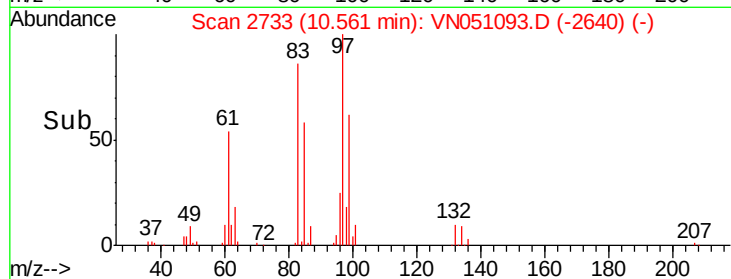
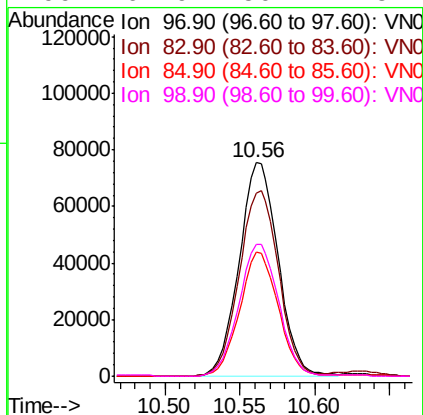
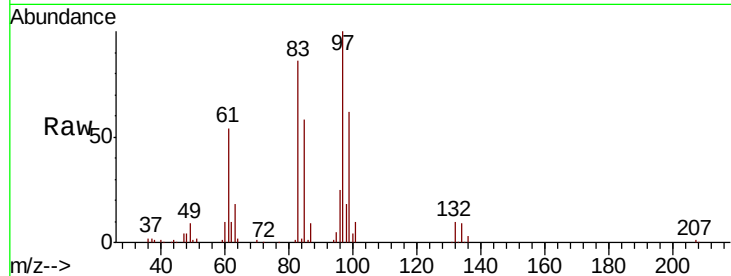




#55
 1,1,2-Trichloroethane
 Concen: 19.89 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

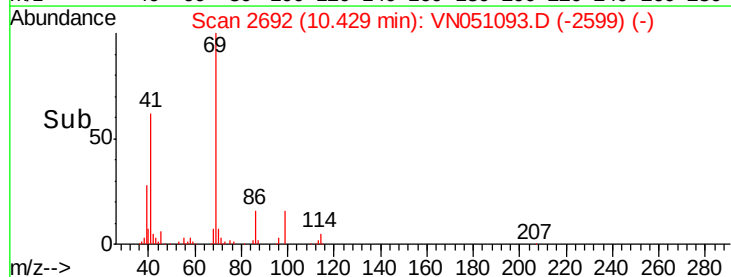
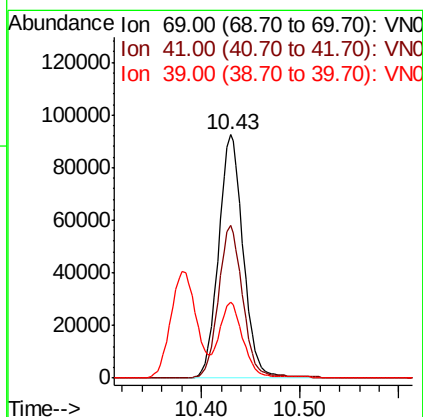
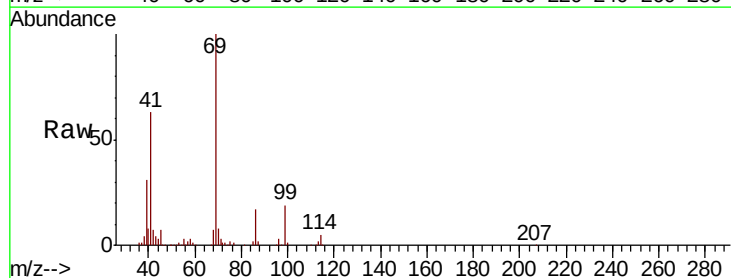
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

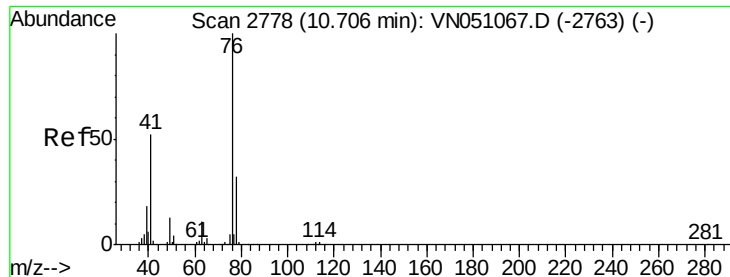
Tot Ion:	97	Resp:	137400
Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.2	102.2
85	58.3	44.8	67.2
99	61.9	50.2	75.4



#56
 Ethyl methacrylate
 Concen: 19.09 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion:	69	Resp:	162102
Ion	Ratio	Lower	Upper
69	100		
41	61.0	47.8	71.8
39	31.1	23.0	34.4





#57

1,3-Dichloropropane

Concen: 19.87 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampled :

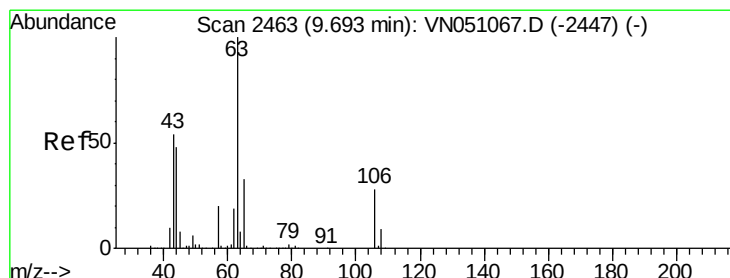
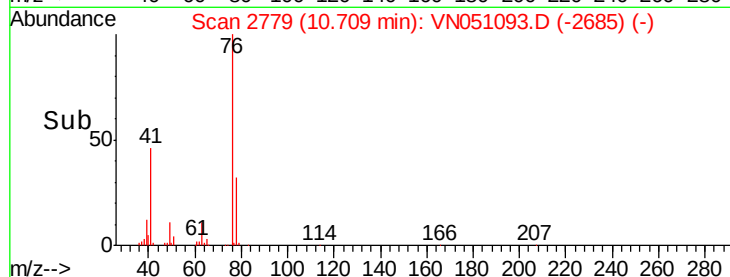
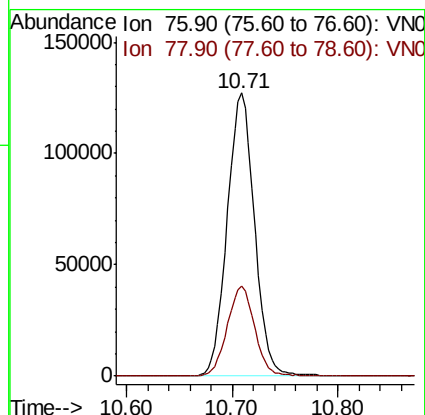
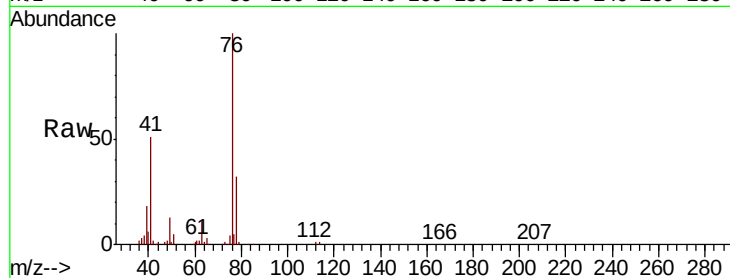
VN0910WBS02

Tot Ion: 76 Resp: 227544

Ion Ratio Lower Upper

76 100

78 31.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 94.54 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051093.D

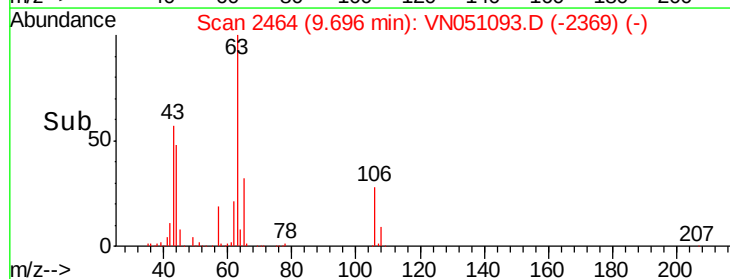
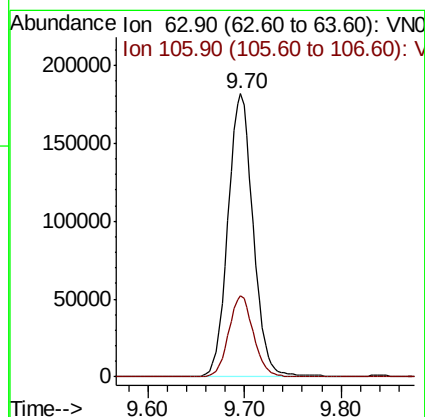
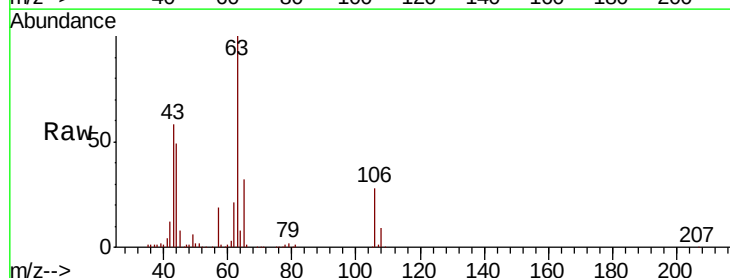
Acq: 10 Sep 2018 22:19

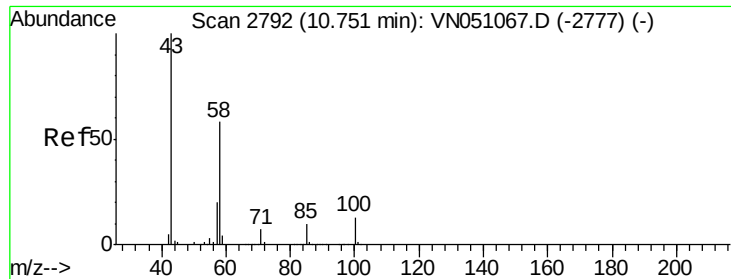
Tgt Ion: 63 Resp: 329054

Ion Ratio Lower Upper

63 100

106 28.0 22.5 33.7

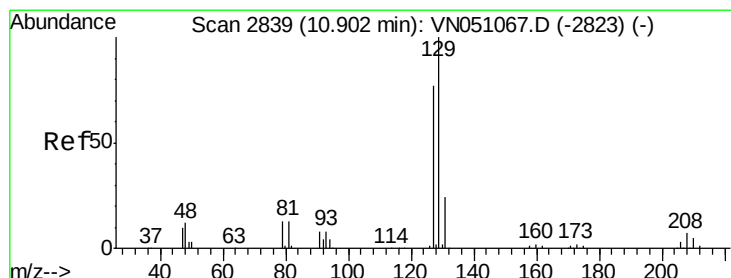
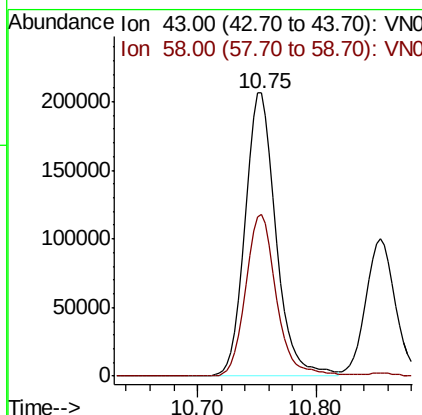
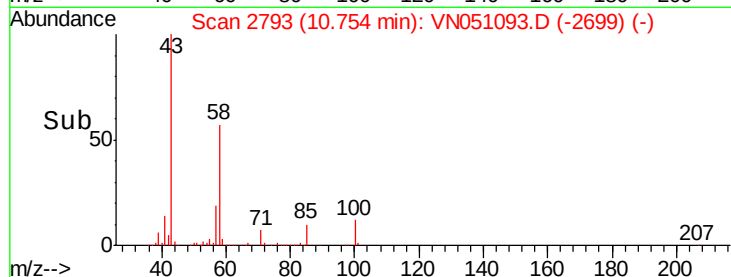
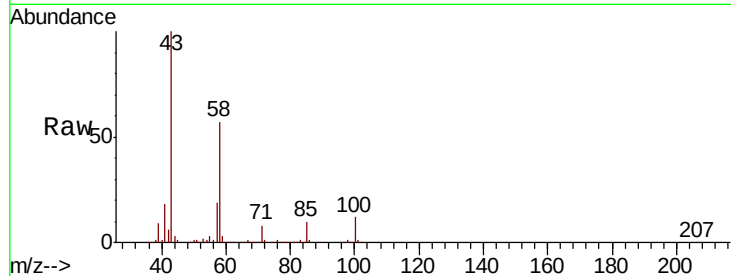




#59
2-Hexanone
Concen: 93.15 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

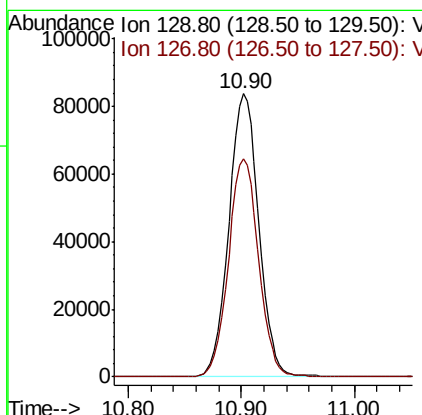
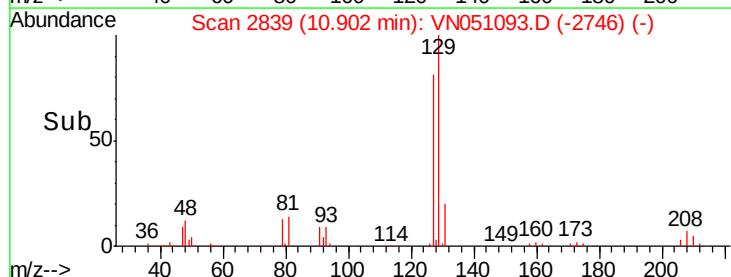
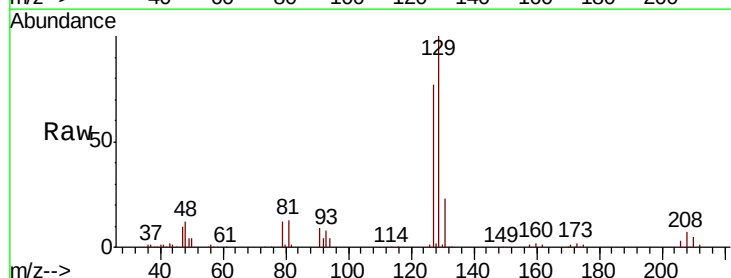
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

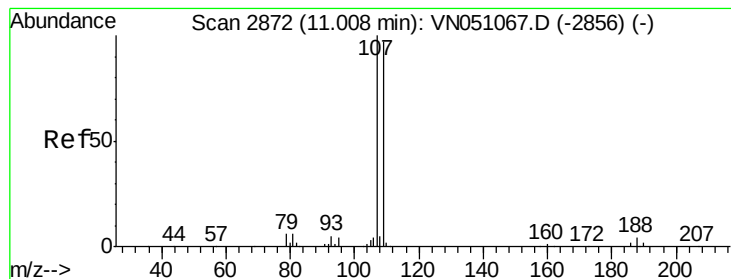
Tot Ion: 43 Resp: 369375
Ion Ratio Lower Upper
43 100
58 57.2 29.3 88.0



#60
Dibromochloromethane
Concen: 19.80 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 129 Resp: 154132
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.20 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

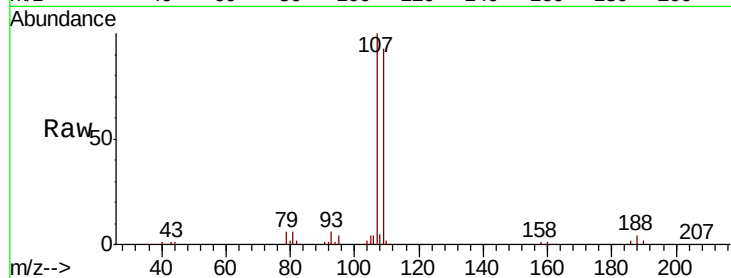
VN0910WBS02

Tot Ion:107 Resp: 136385

Ion Ratio Lower Upper

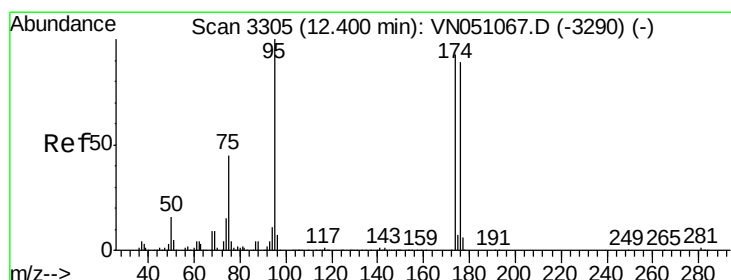
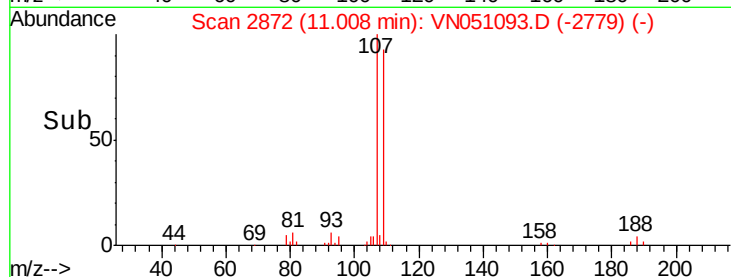
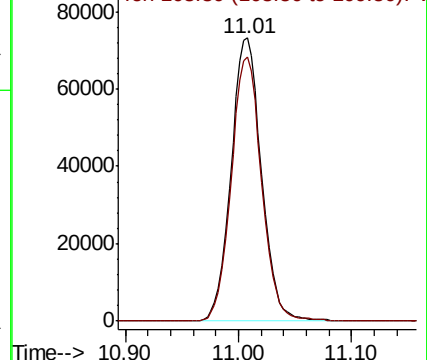
107 100

109 93.4 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.88 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

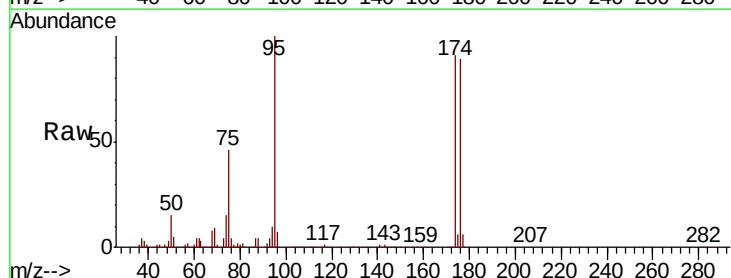
Tgt Ion: 95 Resp: 452261

Ion Ratio Lower Upper

95 100

174 92.1 0.0 184.8

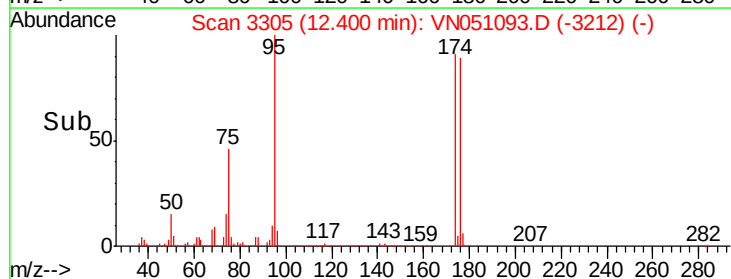
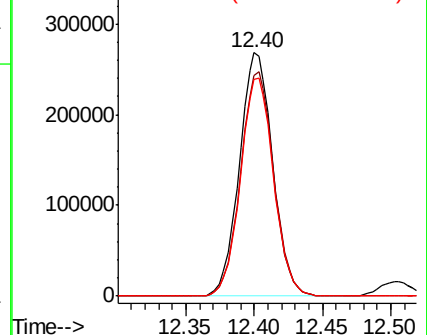
176 89.4 0.0 178.6

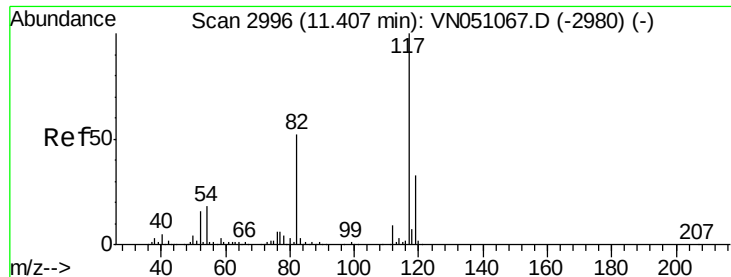


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

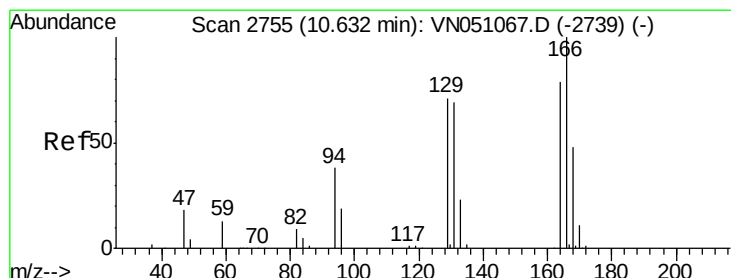
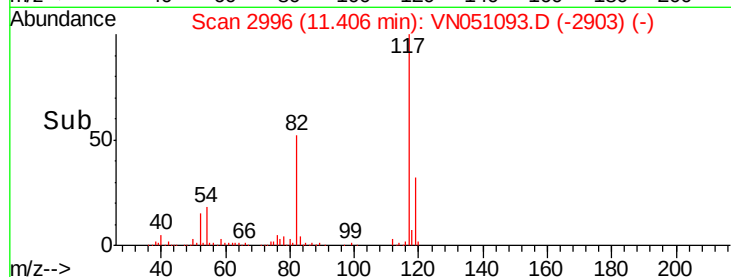
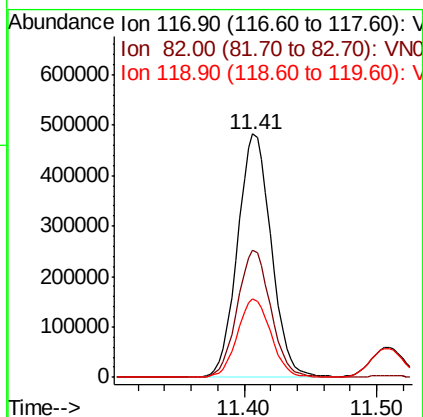
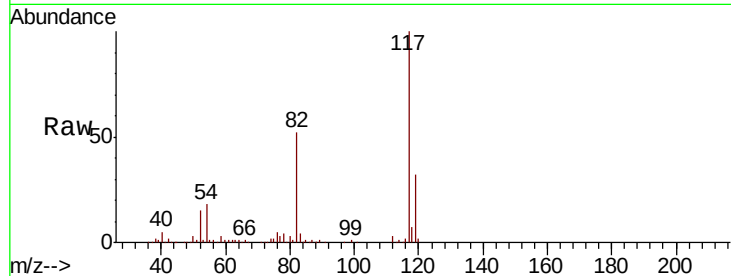




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

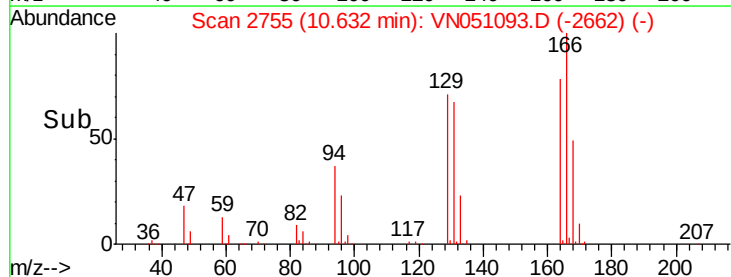
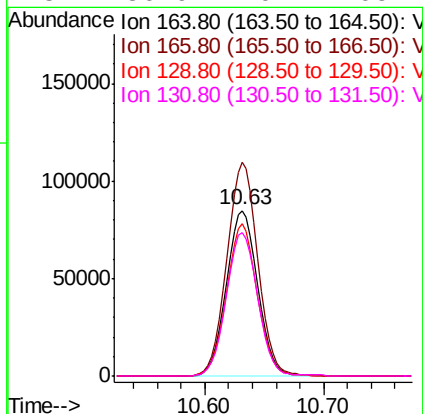
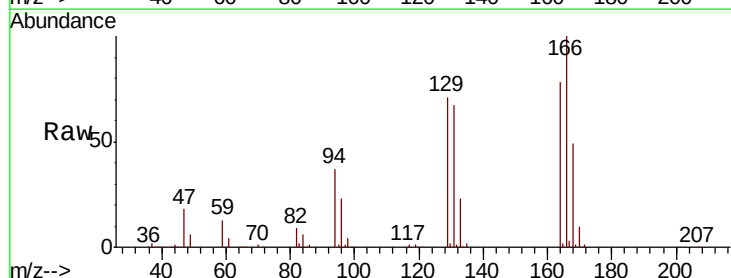
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

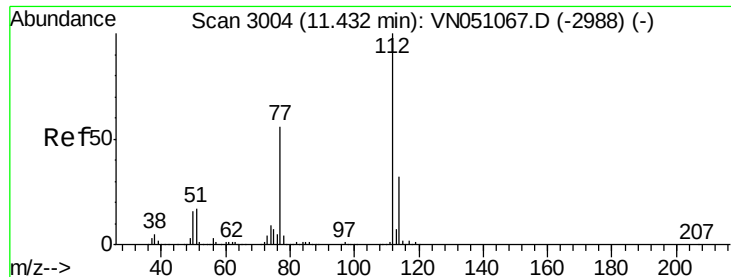
Tot Ion:117 Resp: 852365
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.6
119 32.1 26.2 39.2



#64
Tetrachloroethene
Concen: 19.88 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion:164 Resp: 154629
Ion Ratio Lower Upper
164 100
166 129.0 101.3 151.9
129 91.8 72.2 108.2
131 86.9 70.2 105.2

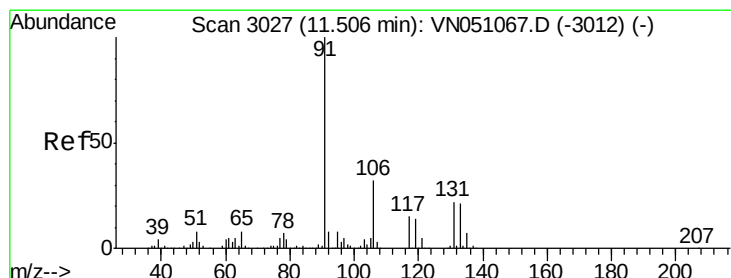
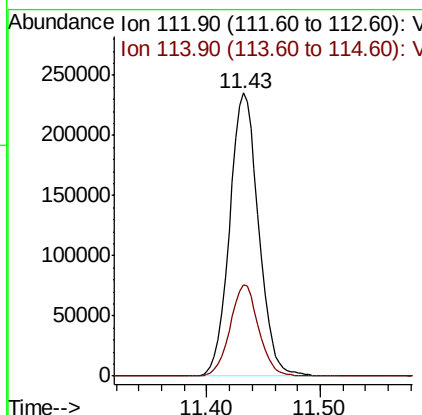
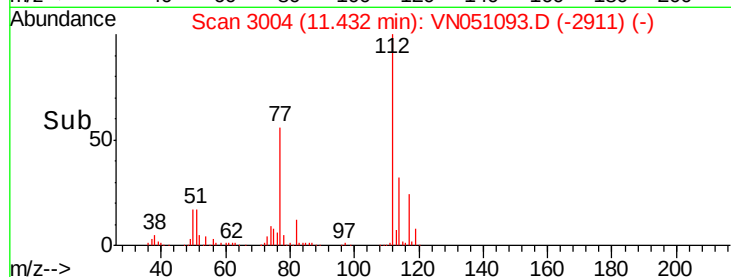
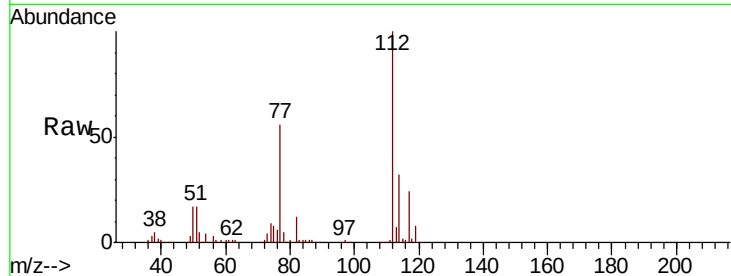




#65
Chlorobenzene
Concen: 19.48 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

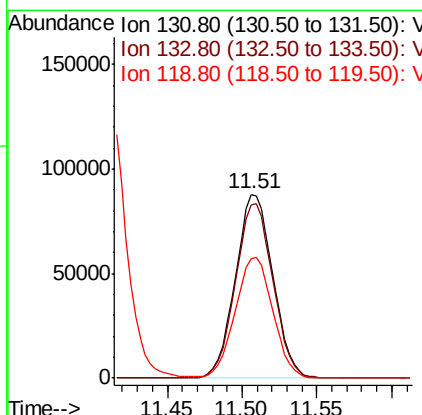
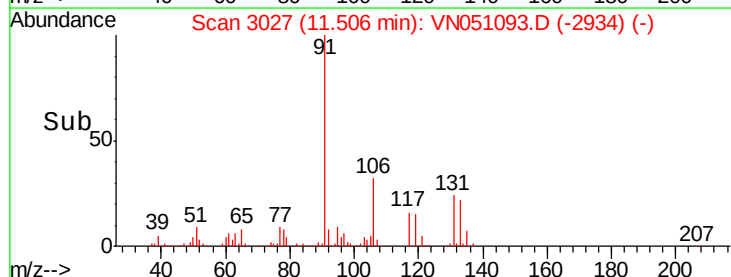
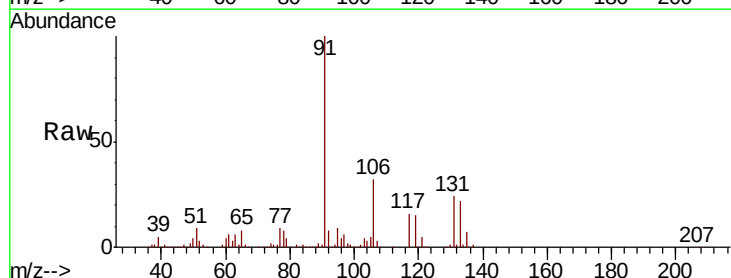
Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

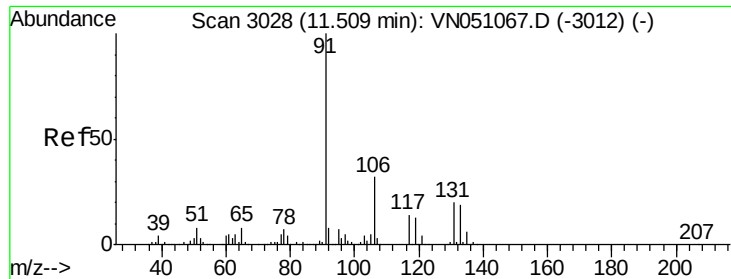
Tot Ion:112 Resp: 418641
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.81 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion:131 Resp: 153268
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.6
119 66.2 33.2 99.6

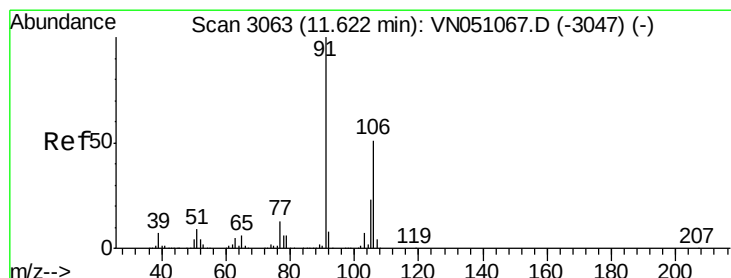
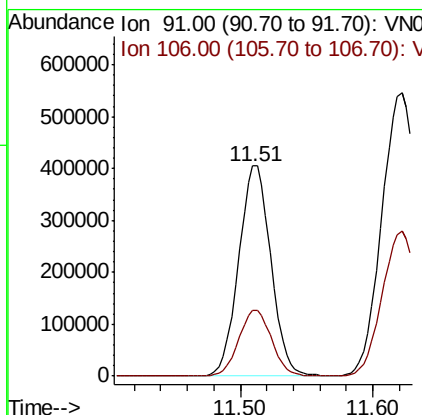
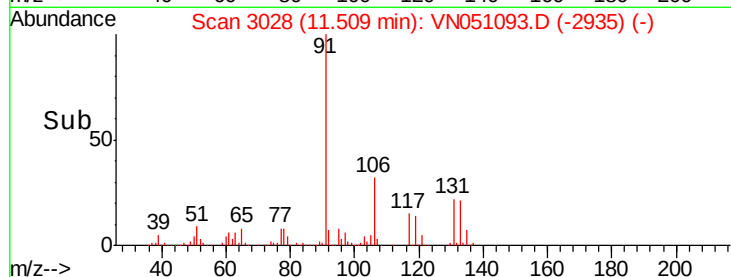
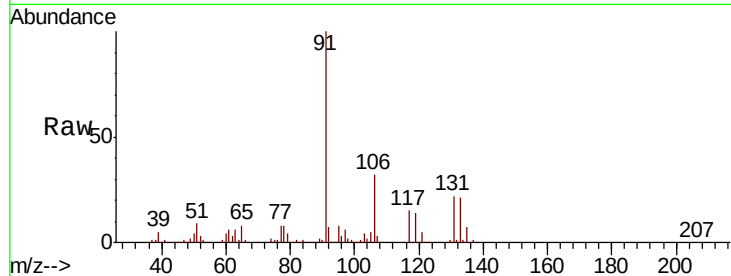




#67
Ethyl Benzene
Concen: 19.67 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

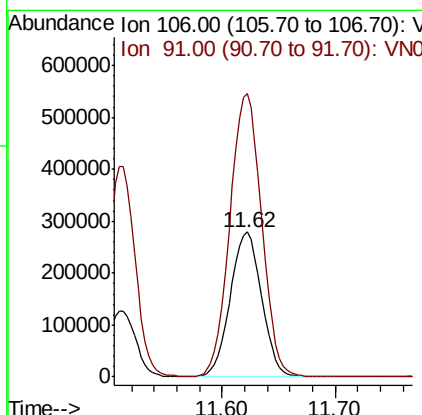
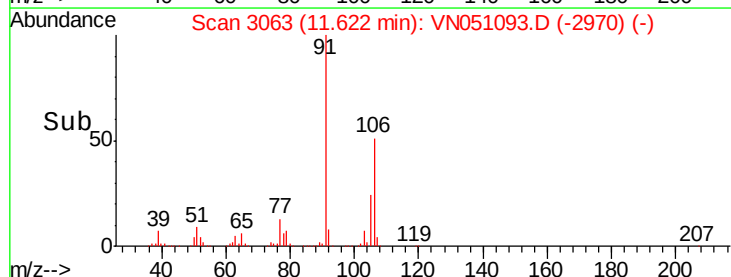
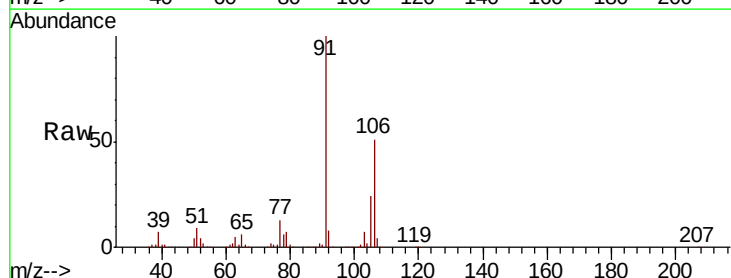
Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

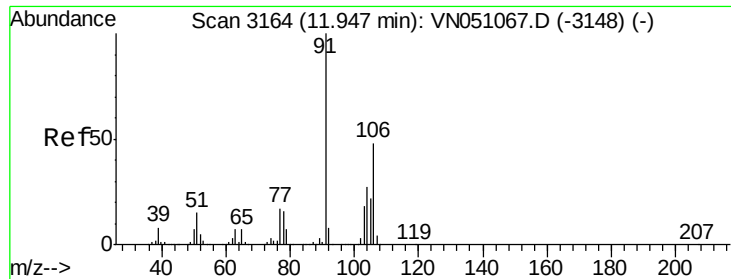
Tot Ion: 91 Resp: 684487
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2



#68
m/p-Xylenes
Concen: 40.31 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 106 Resp: 538900
Ion Ratio Lower Upper
106 100
91 197.5 159.8 239.6

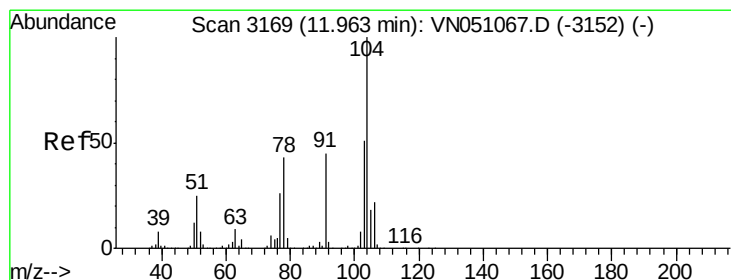
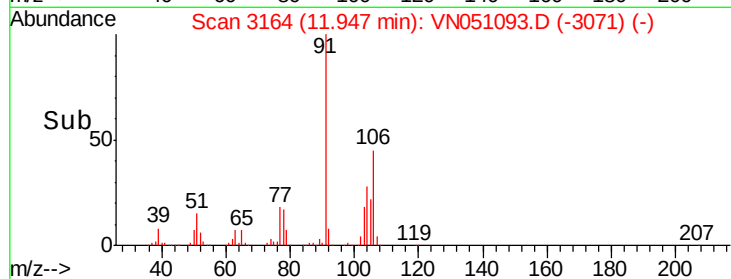
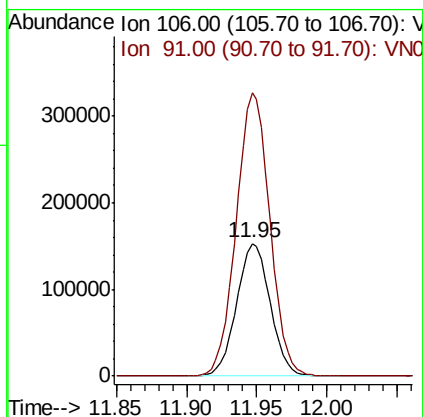
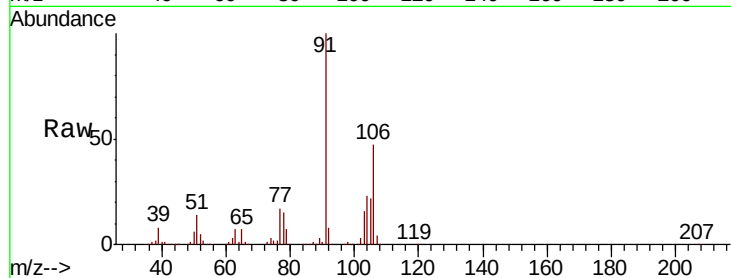




#69
o-Xylene
Concen: 19.71 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

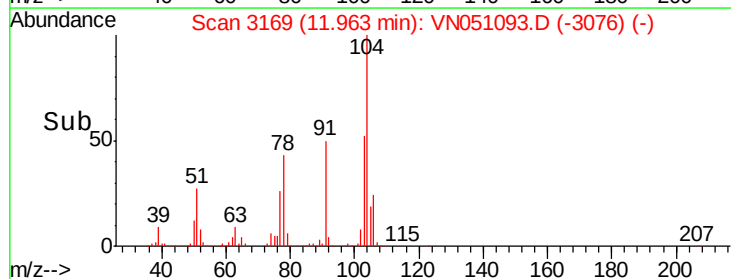
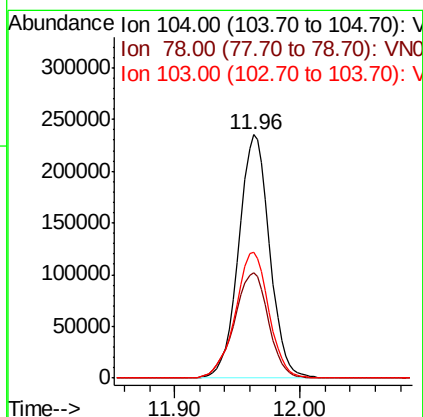
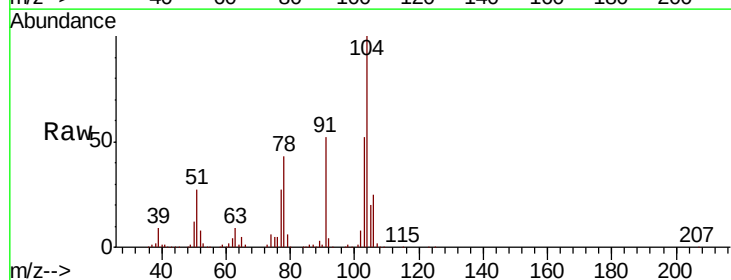
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

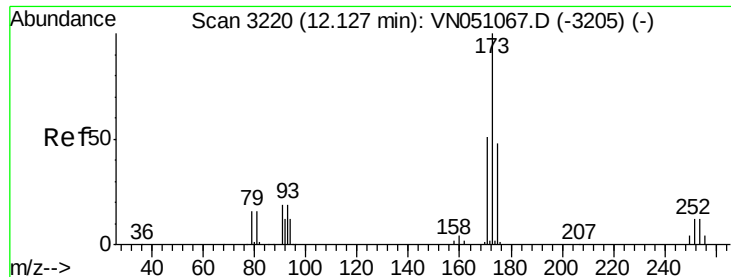
Tot Ion:106 Resp: 255120
Ion Ratio Lower Upper
106 100
91 214.1 105.1 315.1



#70
Styrene
Concen: 20.08 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion:104 Resp: 403215
Ion Ratio Lower Upper
104 100
78 48.3 37.7 56.5
103 56.1 44.6 67.0

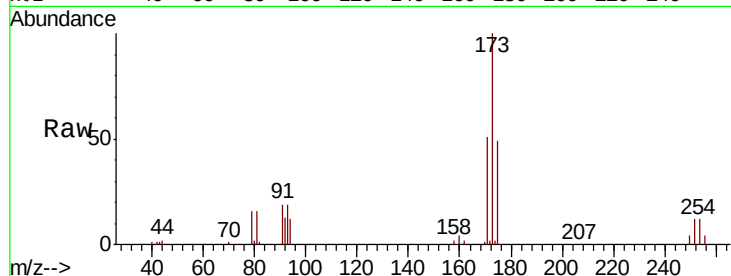




#71
Bromoform
Concen: 19.64 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.0	0.0	0.0

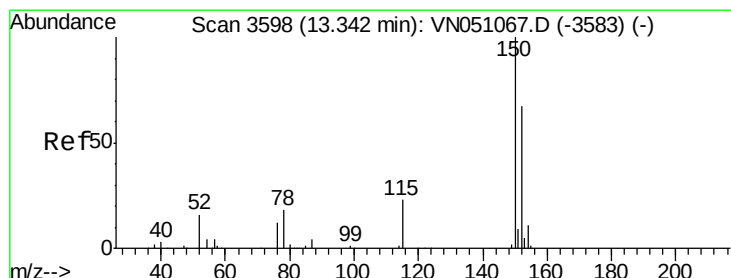
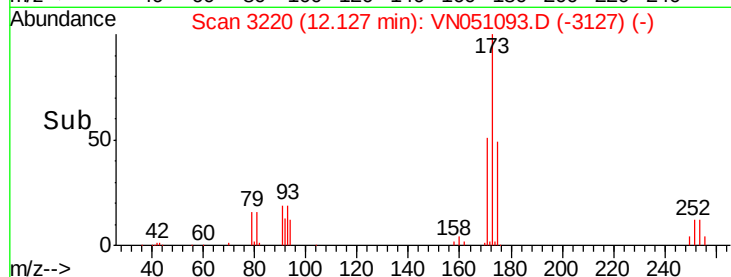
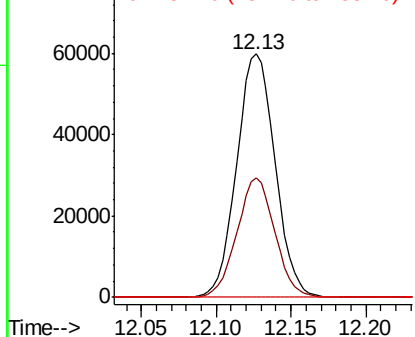


Abundance

Ion 172.70 (172.40 to 173.40): V

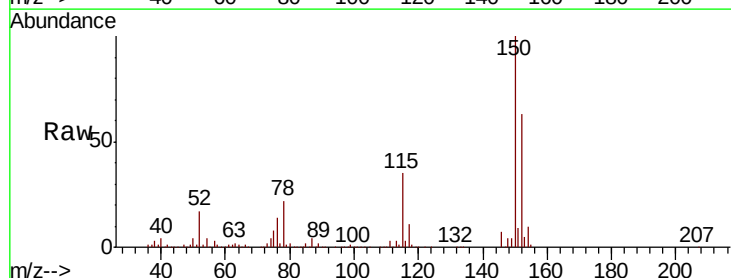
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.2	84.7
150	165.3	0.0	349.0

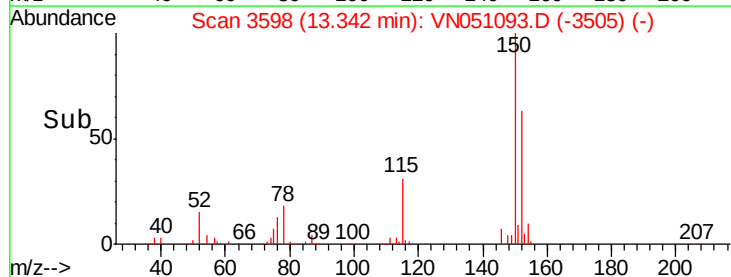
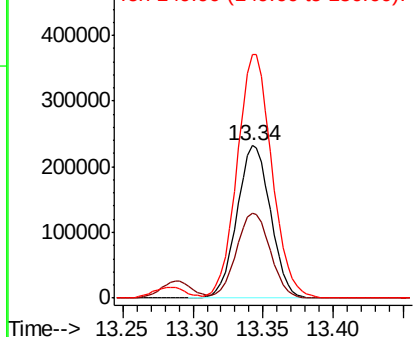


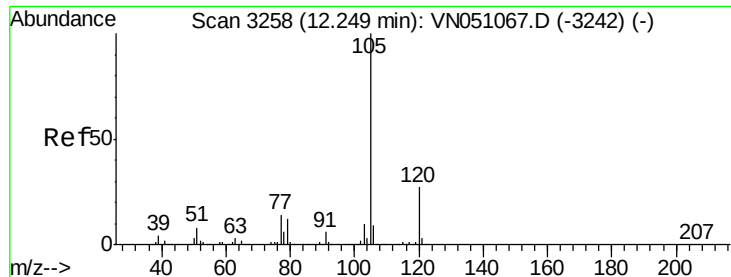
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.75 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

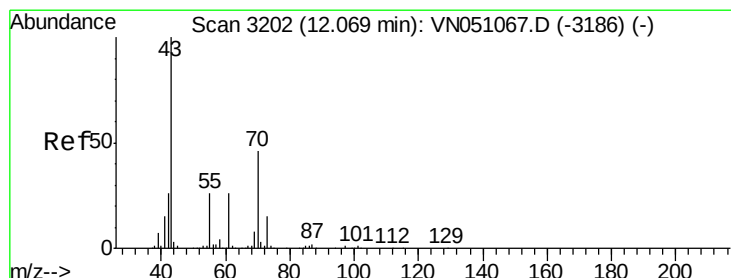
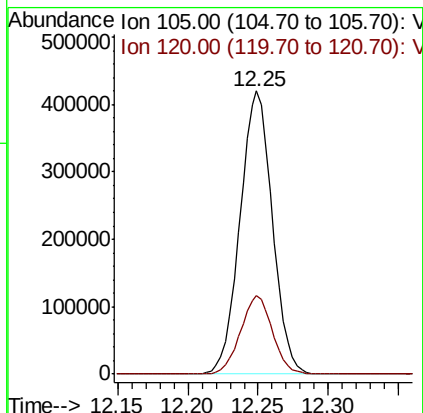
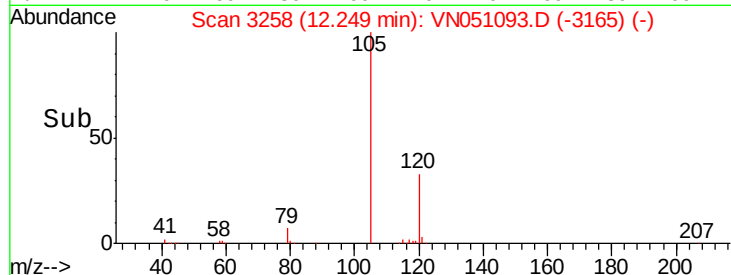
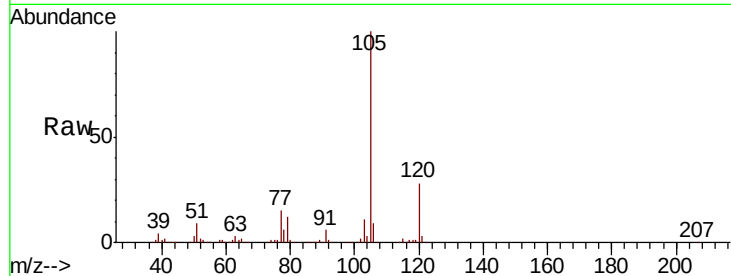
VN0910WBS02

Tot Ion:105 Resp: 674392

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 19.25 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Tgt Ion: 43 Resp: 157399

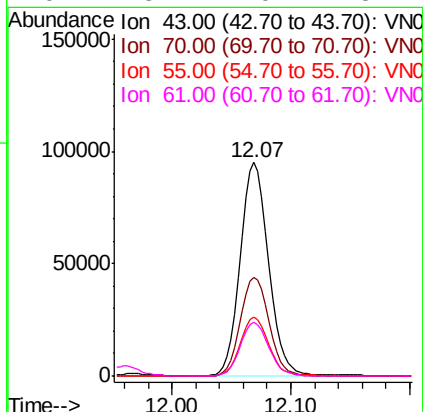
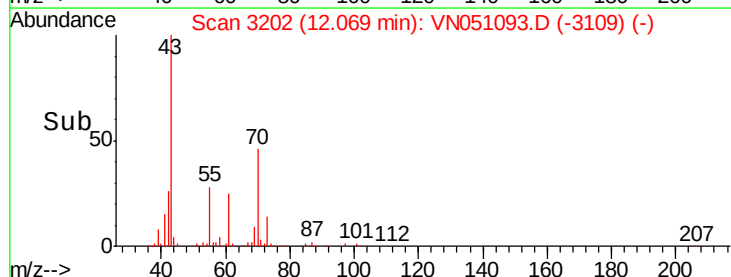
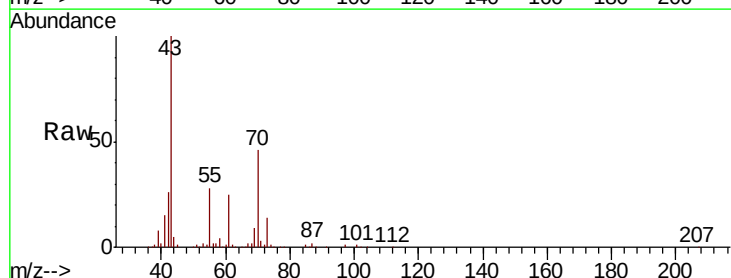
Ion Ratio Lower Upper

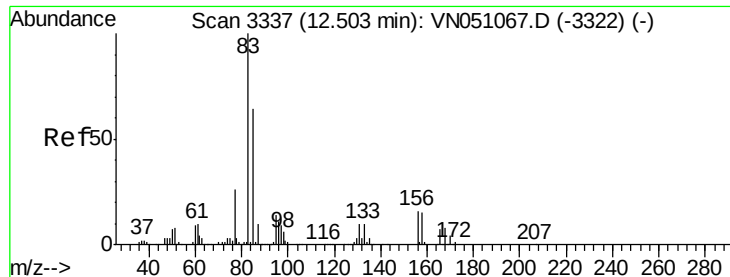
43 100

70 46.5 37.0 55.4

55 27.6 21.3 31.9

61 25.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.50 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

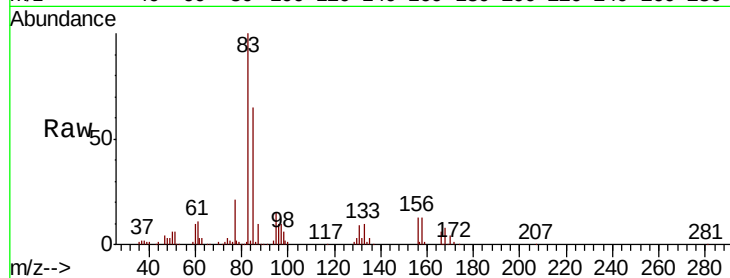
Tot Ion: 83 Resp: 174274

Ion Ratio Lower Upper

83 100

131 10.4 5.3 16.1

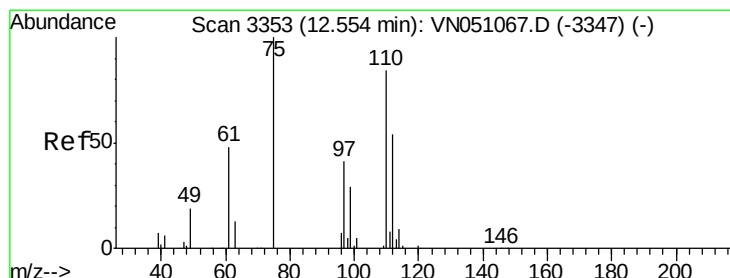
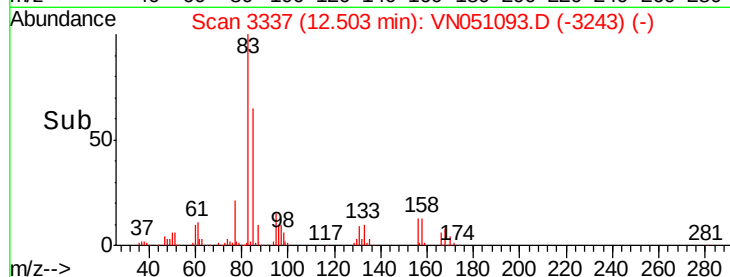
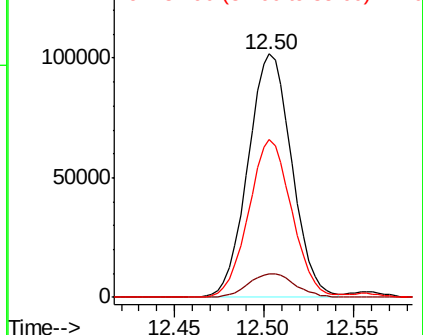
85 63.9 32.3 96.8



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: 31.50 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051093.D

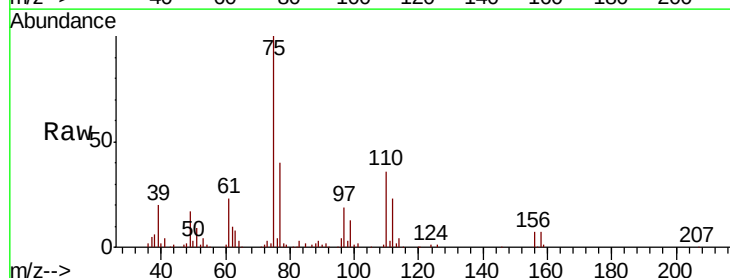
Acq: 10 Sep 2018 22:19

Tgt Ion: 75 Resp: 192507

Ion Ratio Lower Upper

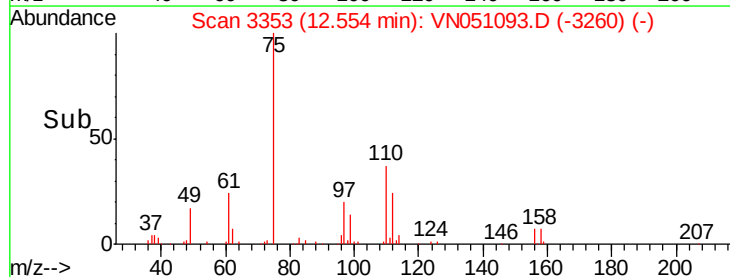
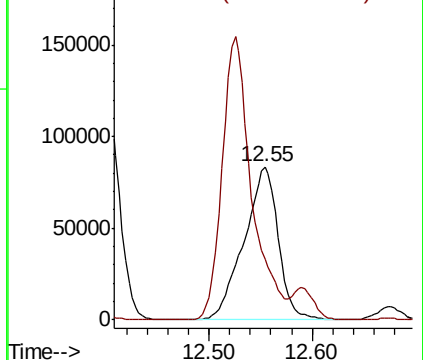
75 100

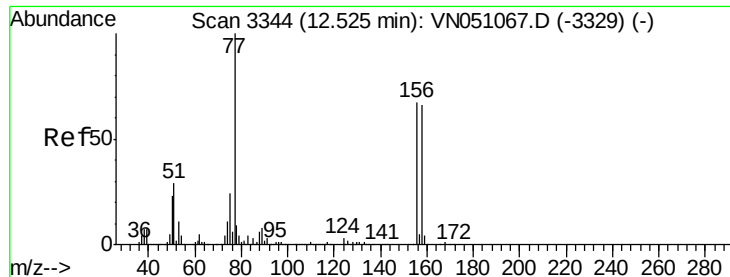
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.27 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

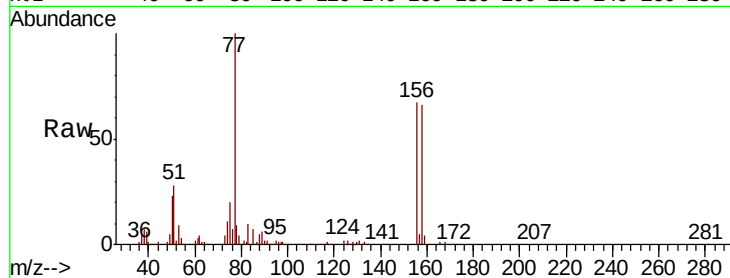
Tot Ion:156 Resp: 176943

Ion Ratio Lower Upper

156 100

77 172.8 87.5 262.6

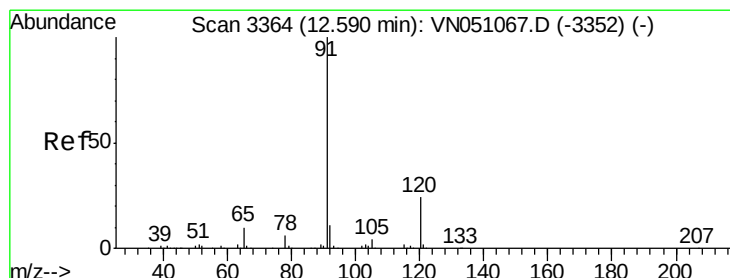
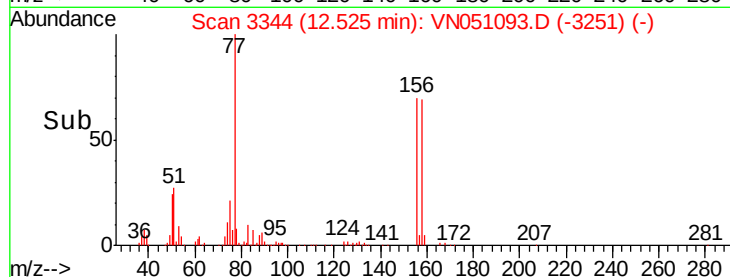
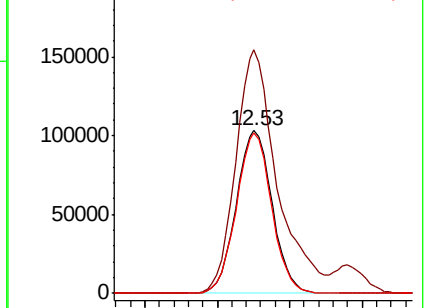
158 96.8 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.55 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051093.D

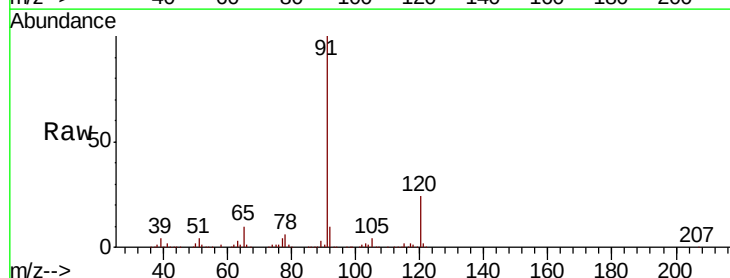
Acq: 10 Sep 2018 22:19

Tgt Ion: 91 Resp: 733954

Ion Ratio Lower Upper

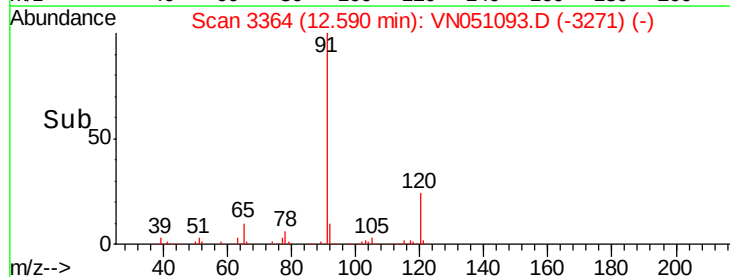
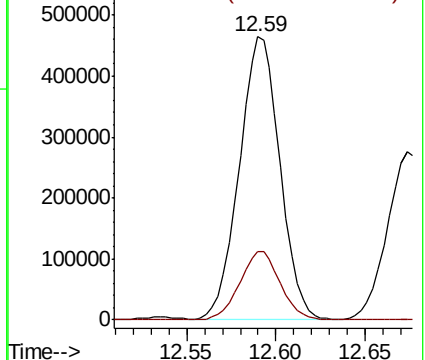
91 100

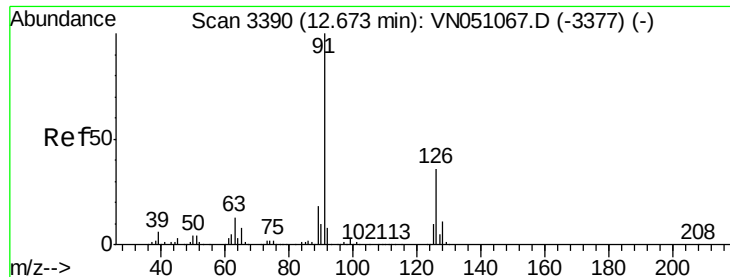
120 24.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.46 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

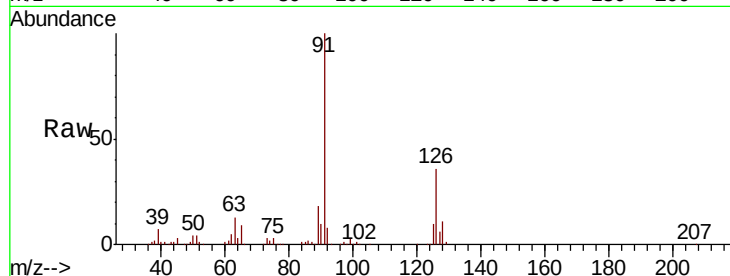
VN0910WBS02

Tot Ion: 91 Resp: 456699

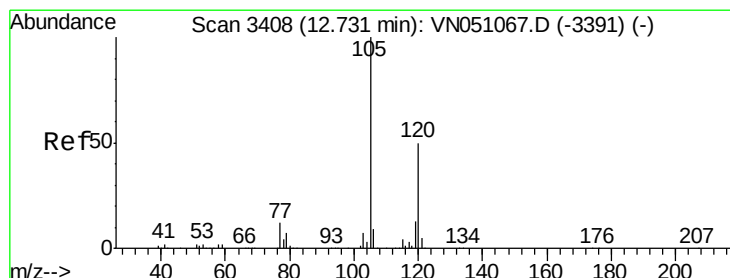
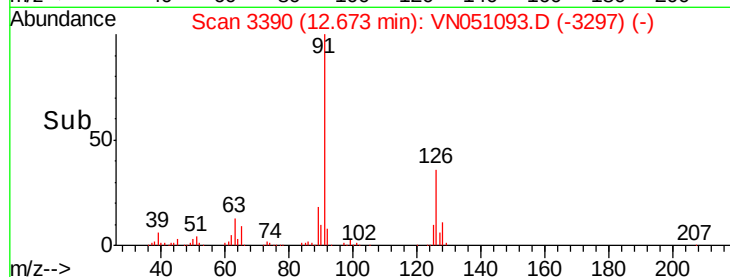
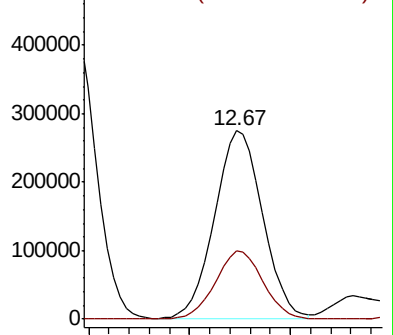
Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.96 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051093.D

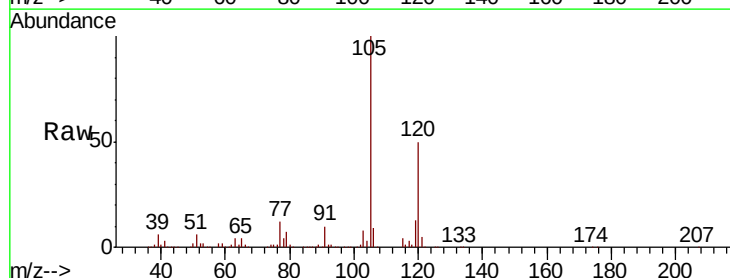
Acq: 10 Sep 2018 22:19

Tgt Ion:105 Resp: 550605

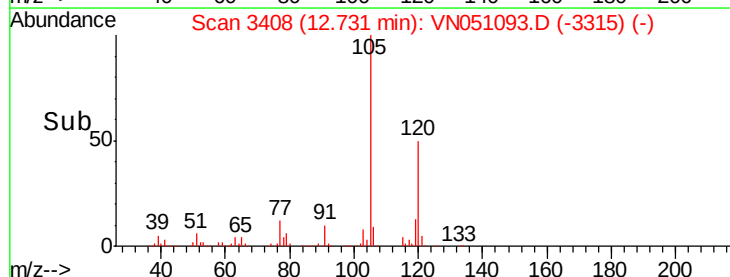
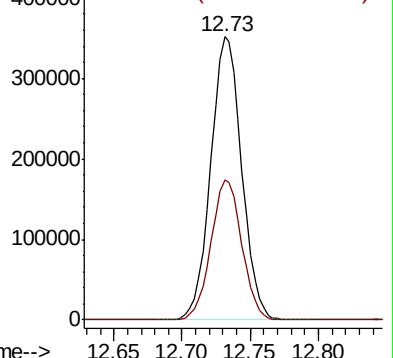
Ion Ratio Lower Upper

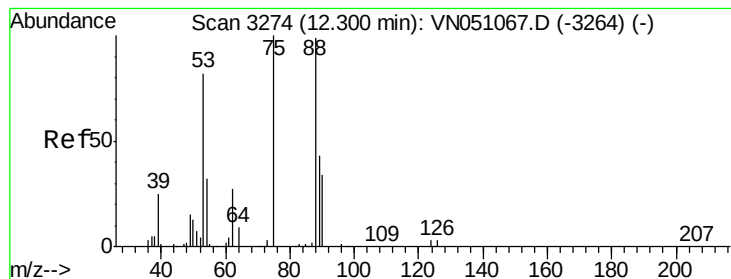
105 100

120 49.5 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.26 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

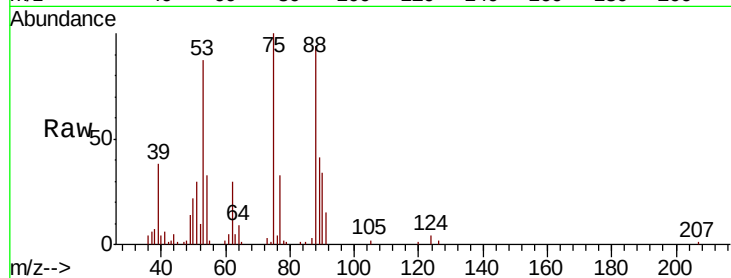
Tot Ion: 75 Resp: 37252

Ion Ratio Lower Upper

75 100

53 91.7 67.8 101.8

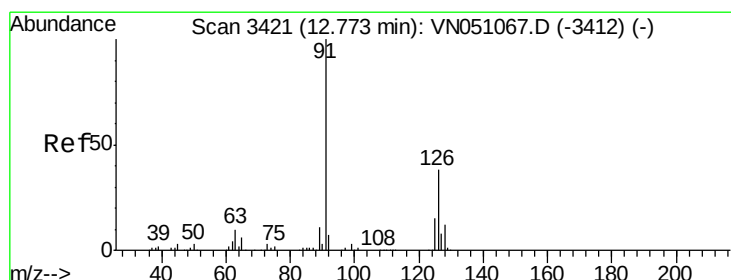
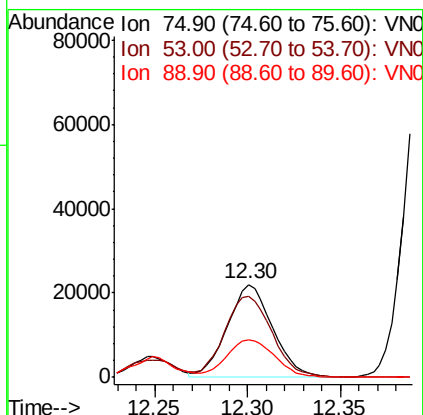
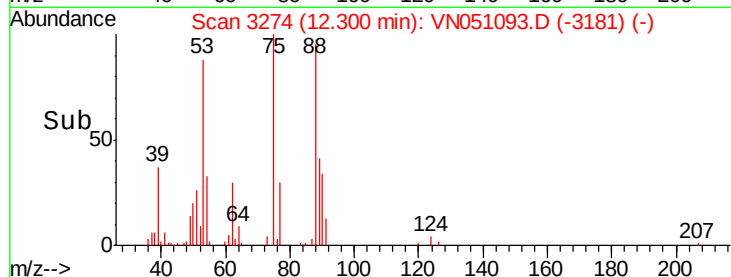
89 42.9 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.99 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051093.D

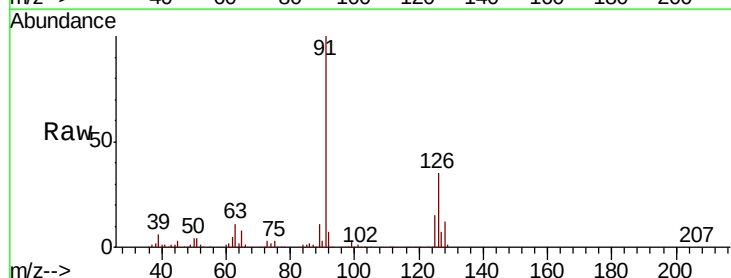
Acq: 10 Sep 2018 22:19

Tgt Ion: 91 Resp: 442899

Ion Ratio Lower Upper

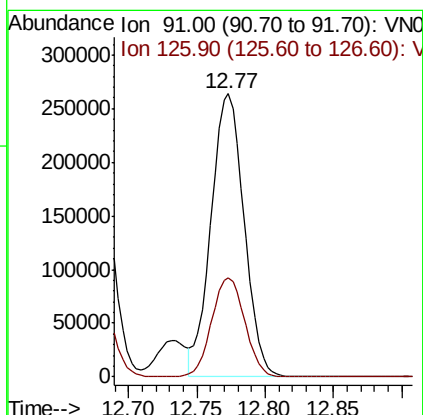
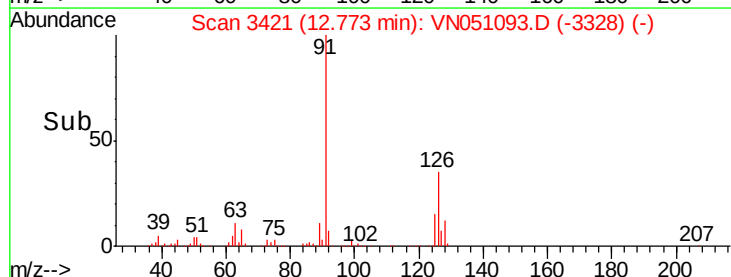
91 100

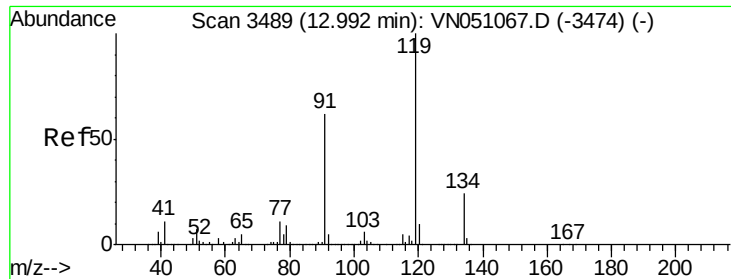
126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

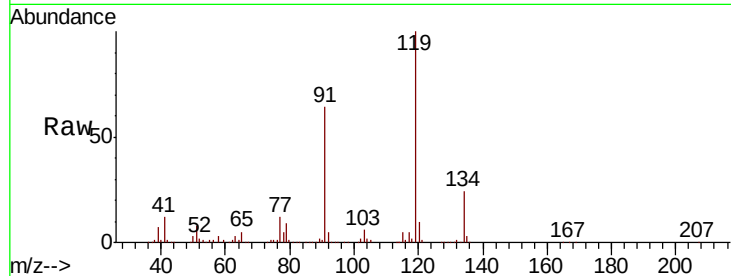




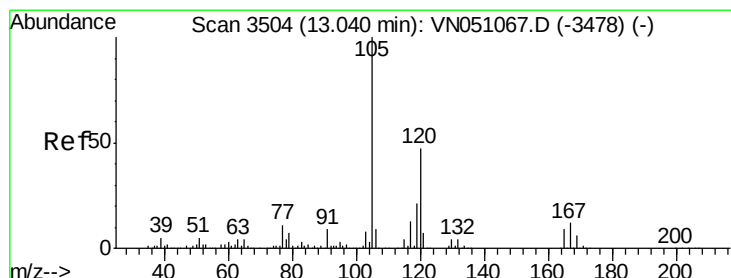
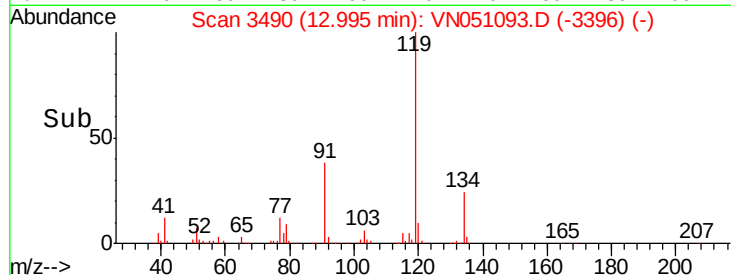
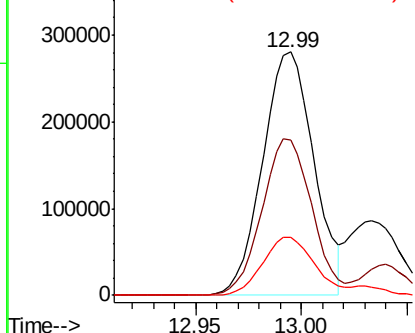
#83
 tert-Butylbenzene
 Concen: 20.48 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion:119 Resp: 475038
 Ion Ratio Lower Upper
 119 100
 91 62.5 30.8 92.3
 134 24.4 13.2 39.6

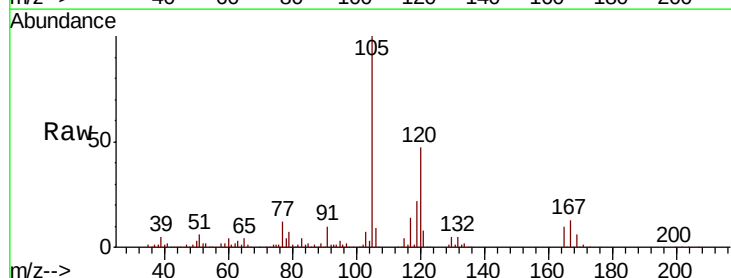


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

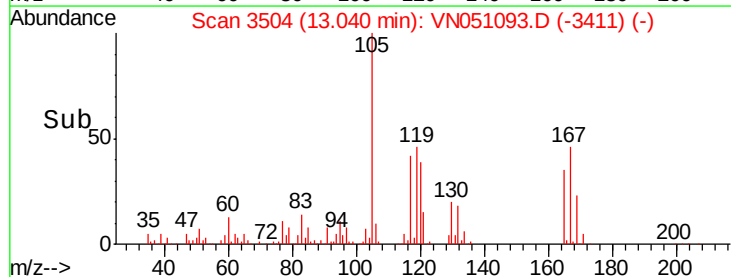
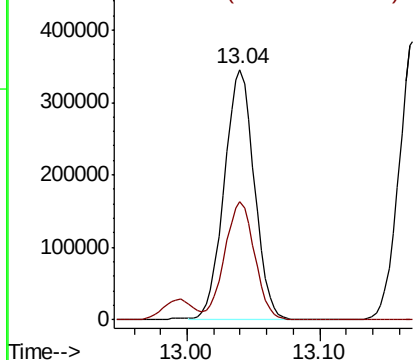


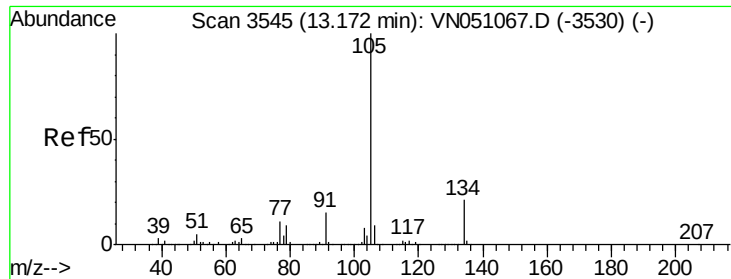
#84
 1,2,4-Trimethylbenzene
 Concen: 21.01 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion:105 Resp: 542587
 Ion Ratio Lower Upper
 105 100
 120 47.4 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: 20.64 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

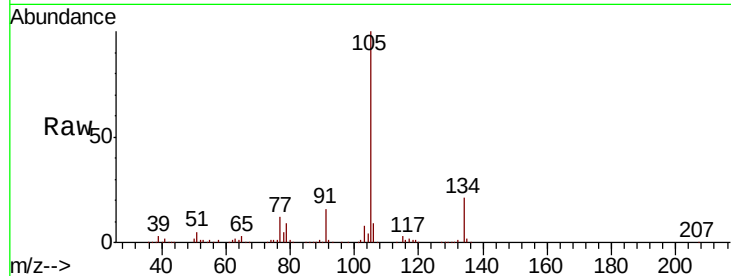
VN0910WBS02

Tot Ion:105 Resp: 613949

Ion Ratio Lower Upper

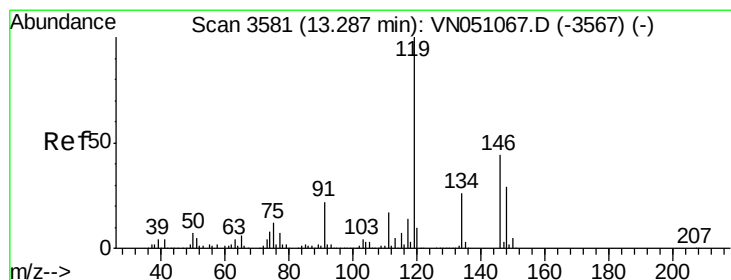
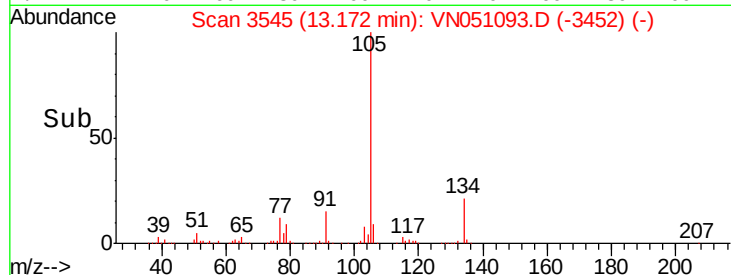
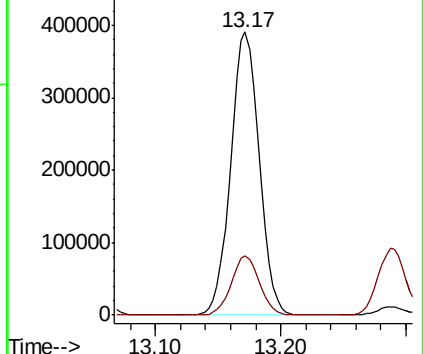
105 100

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: 20.94 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

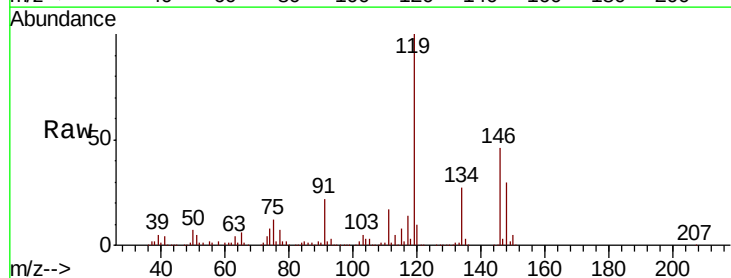
Tgt Ion:119 Resp: 528052

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

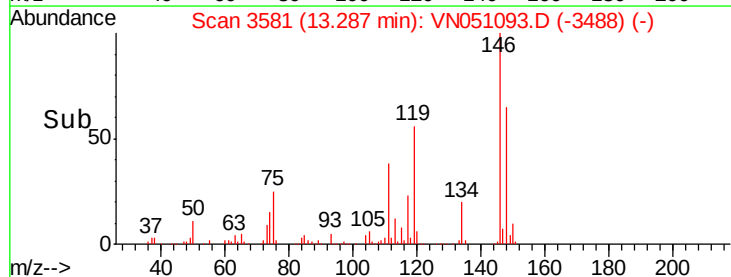
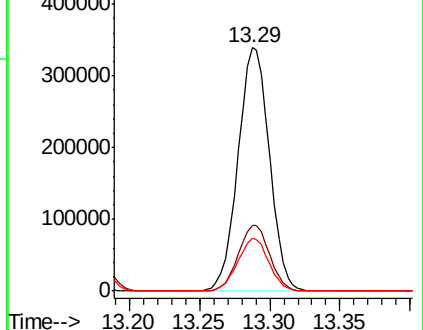
91 21.5 10.9 32.9

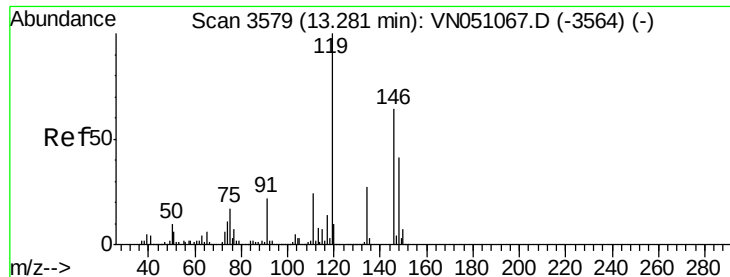


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

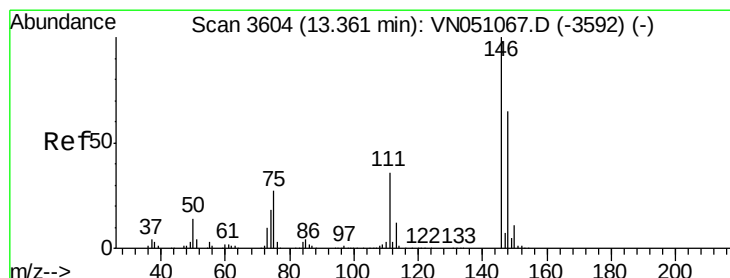
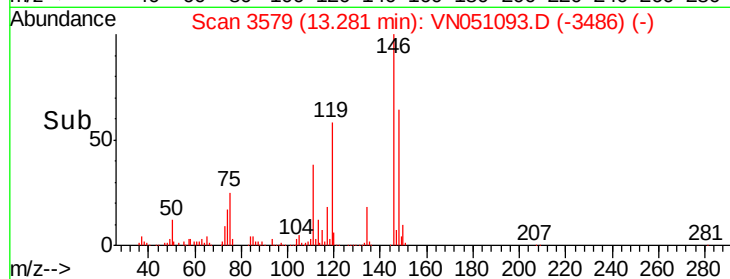
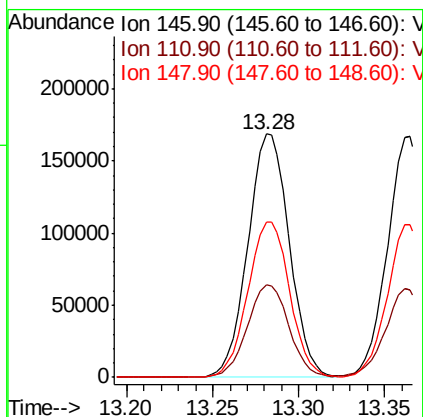
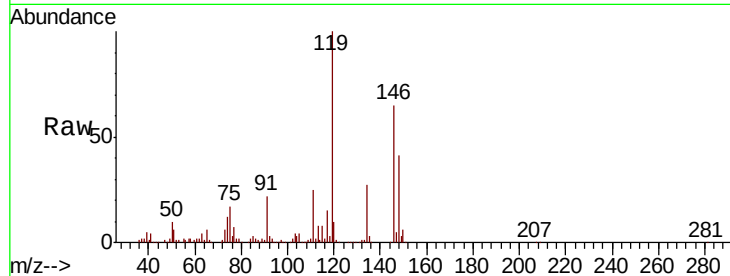




#87
 1,3-Dichlorobenzene
 Concen: 18.99 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

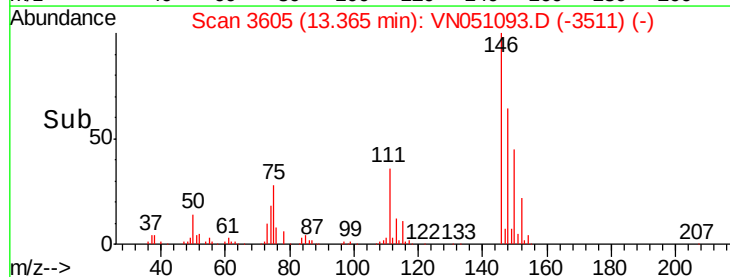
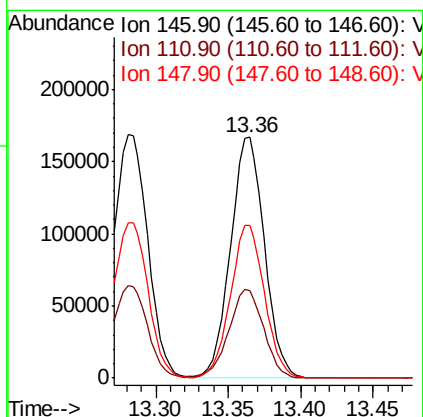
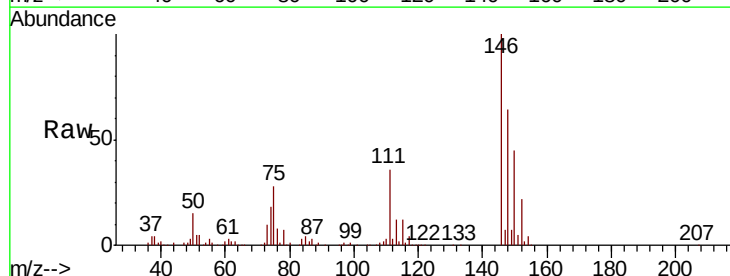
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

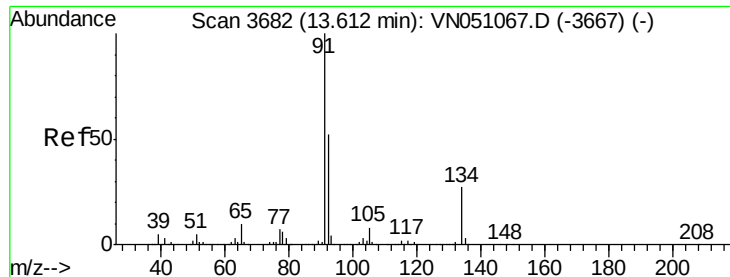
Tot Ion:146 Resp: 281229
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.6 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.97 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion:146 Resp: 271434
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.4 55.0
 148 63.6 32.2 96.6

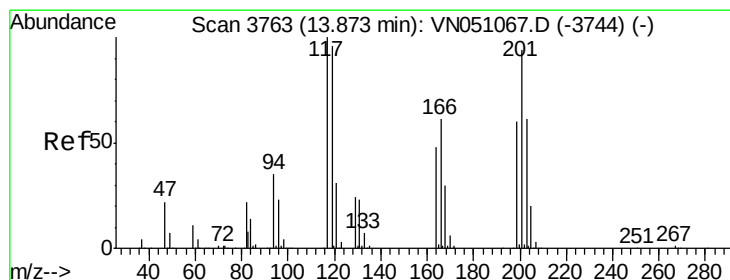
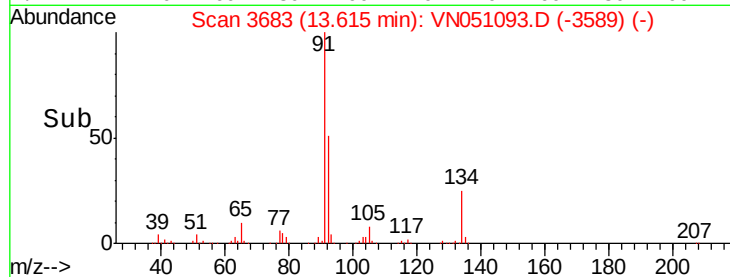
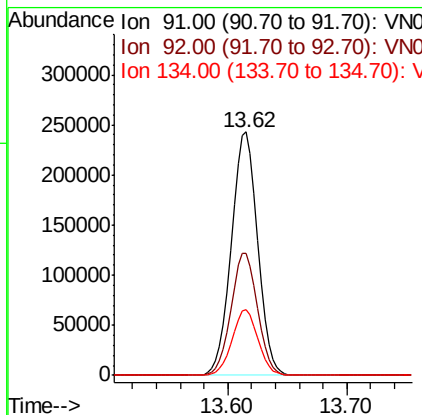
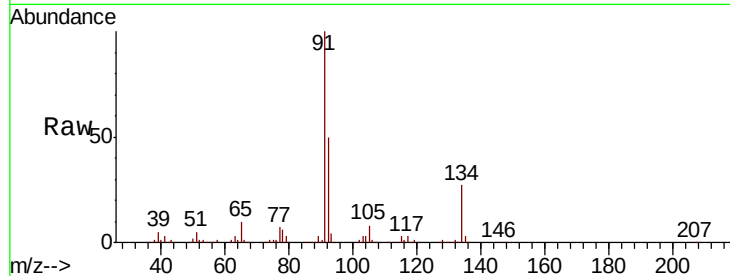




#89
n-Butylbenzene
Concen: 18.89 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

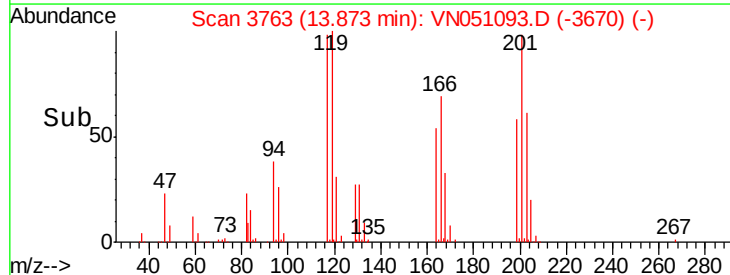
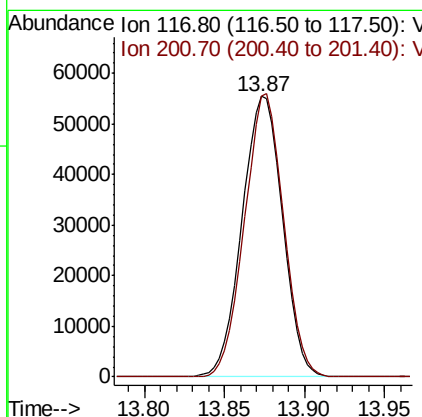
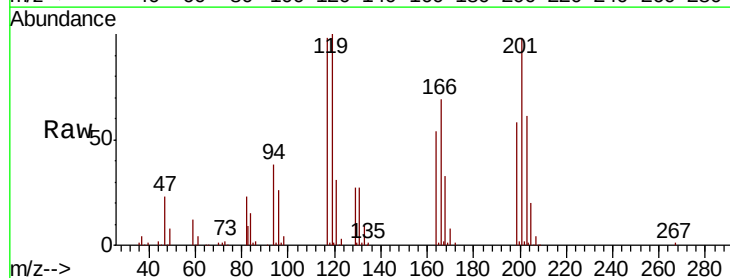
Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

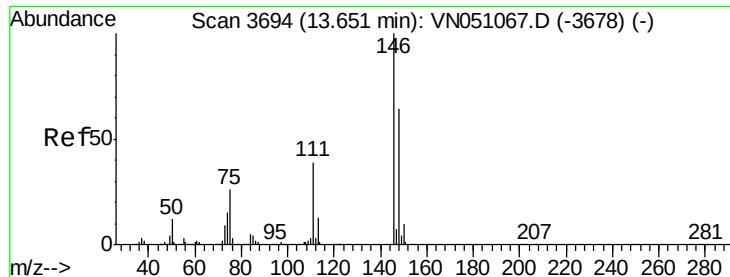
Tot Ion: 91 Resp: 370794
Ion Ratio Lower Upper
91 100
92 50.4 26.2 78.6
134 26.5 13.7 41.1



#90
Hexachloroethane
Concen: 20.58 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 117 Resp: 96158
Ion Ratio Lower Upper
117 100
201 97.3 47.3 142.0





#91

1,2-Dichlorobenzene

Concen: 19.28 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

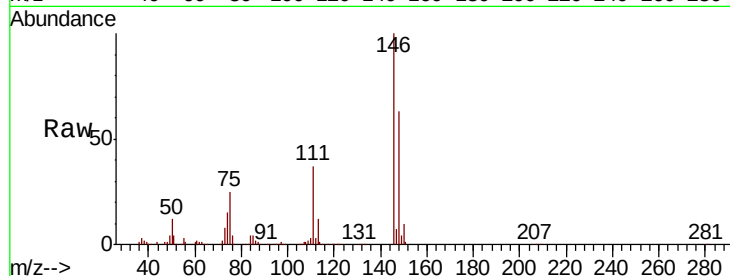
Tot Ion:146 Resp: 278118

Ion Ratio Lower Upper

146 100

111 39.3 19.7 59.0

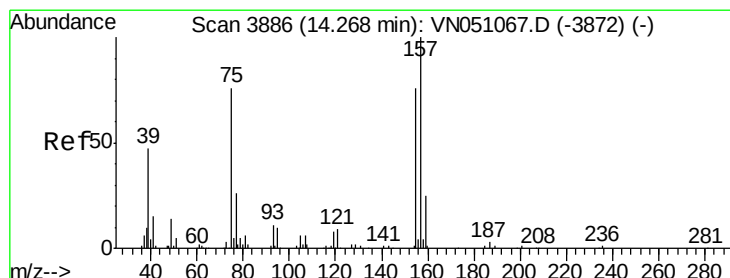
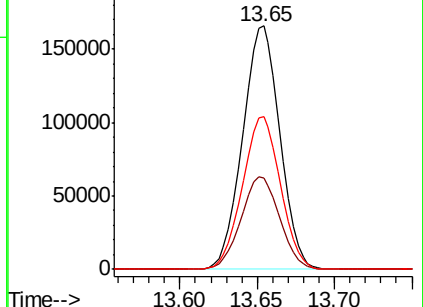
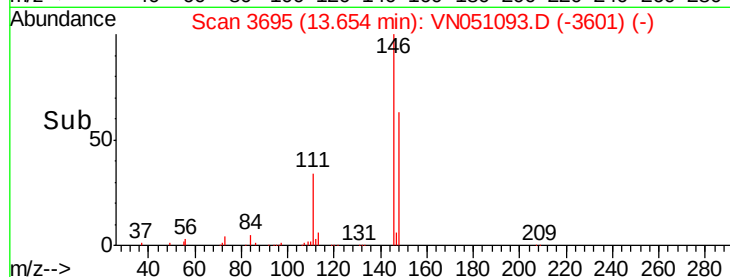
148 64.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.78 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

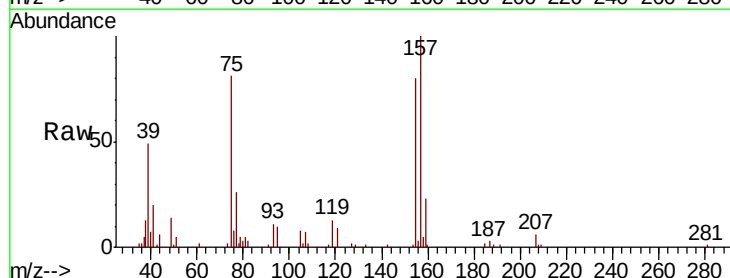
Tgt Ion: 75 Resp: 21509

Ion Ratio Lower Upper

75 100

155 97.8 48.7 146.1

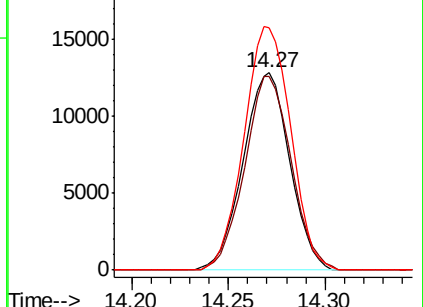
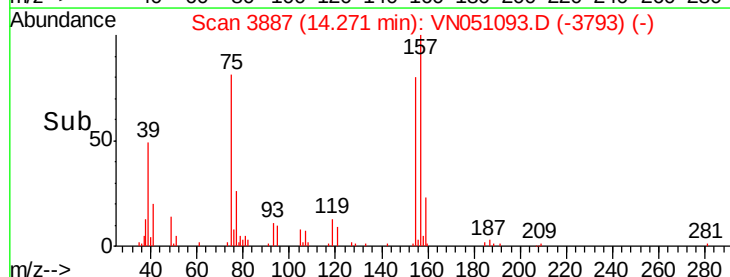
157 123.3 63.6 190.9

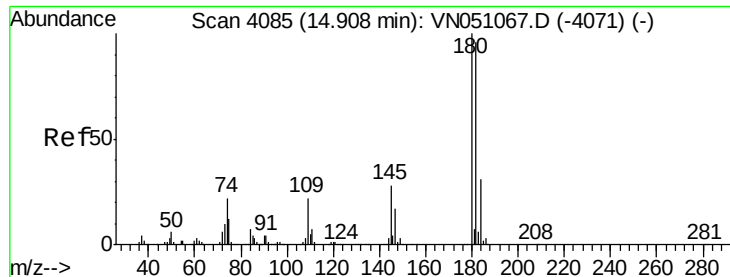


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

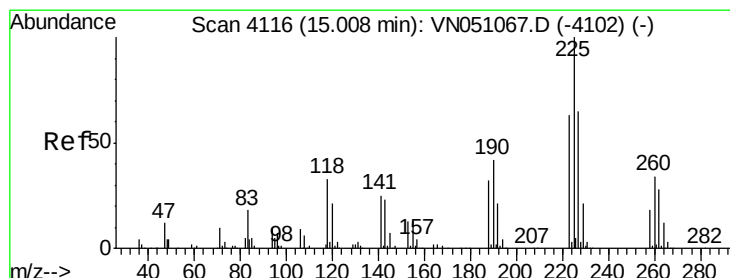
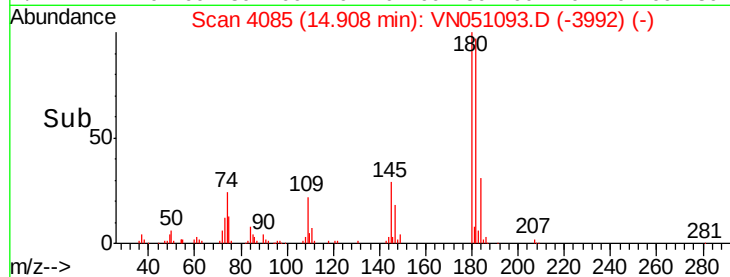
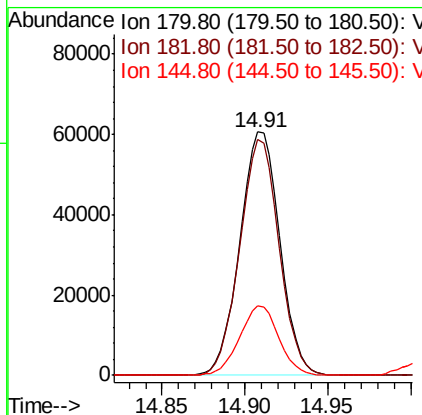
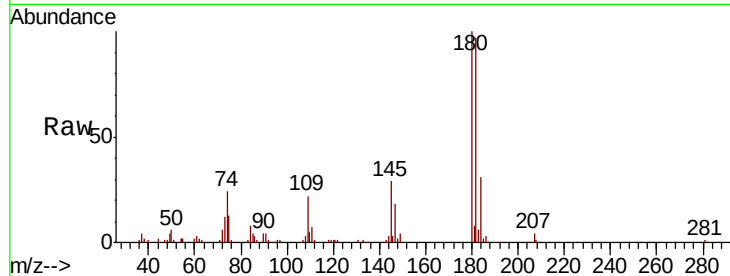




#93
 1,2,4-Trichlorobenzene
 Concen: 17.42 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

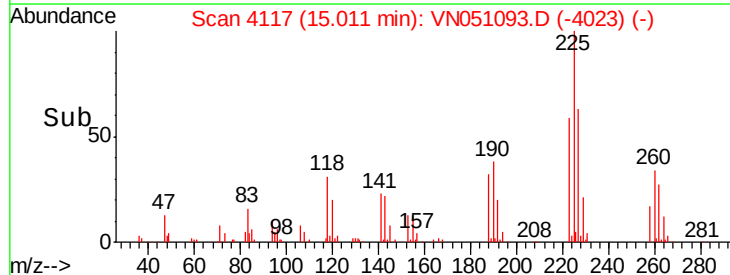
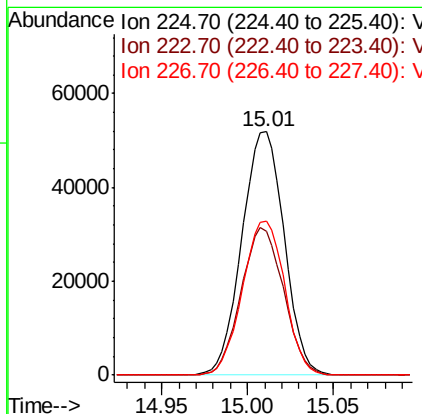
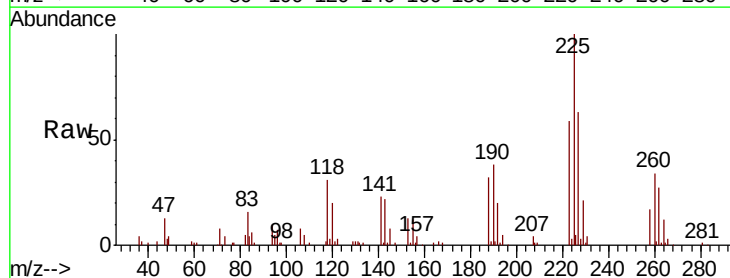
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

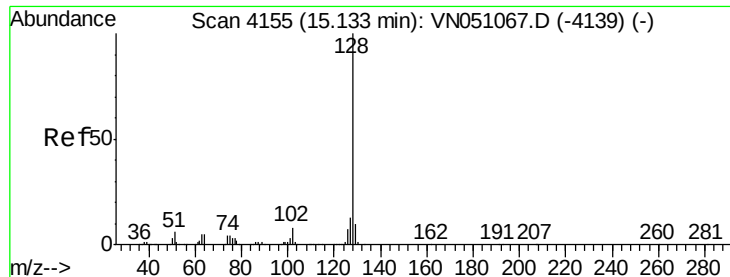
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.8
145	28.0	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 19.99 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.4	94.0
227	63.2	32.1	96.3





#95

Naphthalene

Concen: 17.13 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

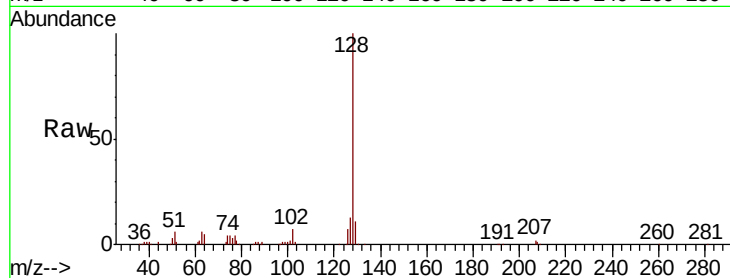
Tot Ion:128 Resp: 192282

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

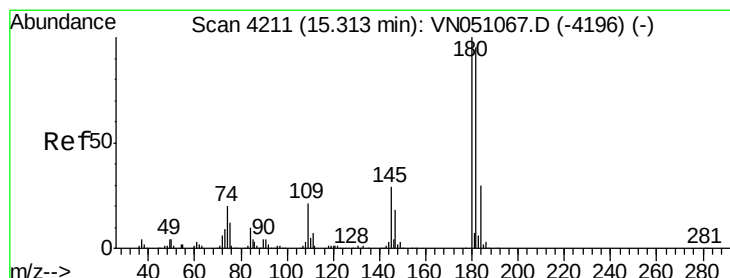
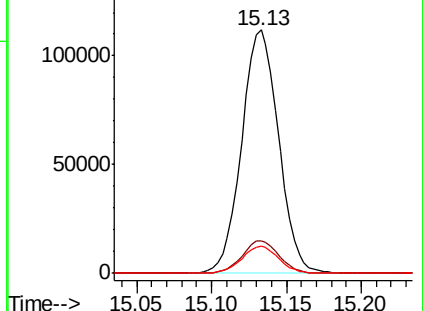
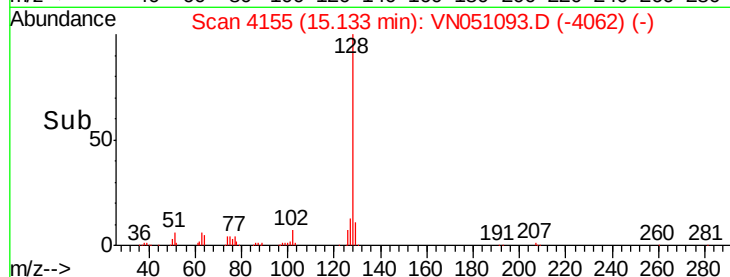
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.21 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

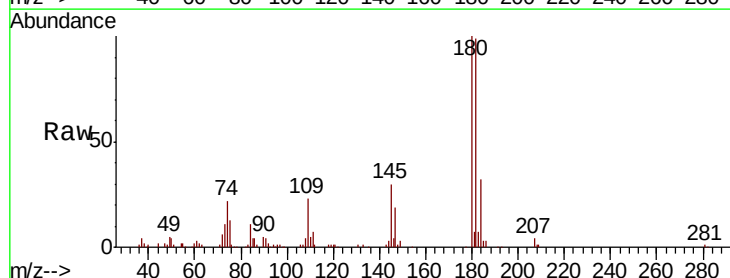
Tgt Ion:180 Resp: 108035

Ion Ratio Lower Upper

180 100

182 97.0 47.8 143.3

145 30.2 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

