

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101118\
 Data File : VN051804.D
 Acq On : 11 Oct 2018 9:11
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Oct 11 10:24:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 11 10:14:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	832595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1232677	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1070612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	388965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	164776	16.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.88%	
35) Dibromofluoromethane	7.59	113	151766	15.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	30.96%	
50) Toluene-d8	10.09	98	547787	14.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.88%	
62) 4-Bromofluorobenzene	12.40	95	157421	12.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	14063	1.26	ug/l	94
3) Chloromethane	2.06	50	16873	1.23	ug/l	99
4) Vinyl Chloride	2.18	62	25322	1.95	ug/l	98
5) Bromomethane	2.57	94	23014	2.75	ug/l	100
6) Chloroethane	2.70	64	19875	2.64	ug/l	98
7) Trichlorofluoromethane	3.02	101	28956	1.74	ug/l	100
8) Diethyl Ether	3.41	74	9403	1.66	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	18740	1.80	ug/l	96
10) Methyl Iodide	3.94	142	19643	2.38	ug/l	99
11) Tert butyl alcohol	4.79	59	4422	6.93	ug/l	98
12) 1,1-Dichloroethene	3.73	96	16541	1.77	ug/l	88
13) Acrolein	3.61	56	62969	180.62	ug/l	97
14) Allyl chloride	4.33	41	20096	1.38	ug/l #	77
15) Acrylonitrile	5.00	53	24292	7.49	ug/l #	92
16) Acetone	3.82	43	23103	8.53	ug/l	98
17) Carbon Disulfide	4.05	76	42063	1.34	ug/l	98
18) Methyl Acetate	4.33	43	16933	1.79	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	52040	2.21	ug/l	94
20) Methylene Chloride	4.55	84	19803	1.75	ug/l	92
21) trans-1,2-Dichloroethene	5.05	96	19602	1.94	ug/l #	81
22) Diisopropyl ether	5.96	45	45815	1.58	ug/l #	84
23) Vinyl Acetate	5.91	43	158098	8.45	ug/l	94
24) 1,1-Dichloroethane	5.85	63	31342	1.68	ug/l	96
25) 2-Butanone	6.85	43	32210	7.97	ug/l	97
26) 2,2-Dichloropropane	6.83	77	31243	2.09	ug/l	79
27) cis-1,2-Dichloroethene	6.83	96	21790	2.00	ug/l	89
28) Bromochloromethane	7.20	49	92061	11.62	ug/l #	71
29) Tetrahydrofuran	7.23	42	21052	9.09	ug/l #	81
30) Chloroform	7.37	83	38257	2.07	ug/l	94
31) Cyclohexane	7.66	56	40999	2.21	ug/l #	56
32) 1,1,1-Trichloroethane	7.57	97	34183	2.16	ug/l	93
36) 1,1-Dichloropropene	7.79	75	25744	1.77	ug/l	98
37) Ethyl Acetate	6.94	43	12959	1.55	ug/l #	94
38) Carbon Tetrachloride	7.77	117	29630	2.02	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	31183	1.98	ug/l	89
40) Benzene	8.04	78	75805	1.73	ug/l	98
41) Methacrylonitrile	7.18	41	5551	1.23	ug/l #	75
42) 1,2-Dichloroethane	8.13	62	25735	1.96	ug/l	96
43) Isopropyl Acetate	8.17	43	20158	1.40	ug/l #	94
44) Trichloroethene	8.84	130	23635	2.04	ug/l	93
45) 1,2-Dichloropropane	9.12	63	17990	1.56	ug/l #	88
46) Dibromomethane	9.21	93	14191	2.10	ug/l	93
47) Bromodichloromethane	9.41	83	26662	1.88	ug/l	98
48) Methyl methacrylate	9.20	41	11524	1.57	ug/l #	79
49) 1,4-Dioxane	9.20	88	3749	37.56	ug/l #	88
51) 4-Methyl-2-Pentanone	9.99	43	67705	7.90	ug/l	96
52) Toluene	10.16	92	50894	1.96	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	25123	1.78	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	27657	1.71	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	18535	1.92	ug/l	97
56) Ethyl methacrylate	10.43	69	21059	1.93	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	27050	1.70	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	351965	75.36	ug/l #	89
59) 2-Hexanone	10.75	43	45069	7.90	ug/l	98
60) Dibromochloromethane	10.90	129	19247	1.78	ug/l	95
61) 1,2-Dibromoethane	11.01	107	19107	2.05	ug/l	96
64) Tetrachloroethene	10.63	164	22397	2.20	ug/l	98
65) Chlorobenzene	11.44	112	54763	1.96	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	19968	1.95	ug/l	94
67) Ethyl Benzene	11.51	91	92094	2.02	ug/l	96
68) m/p-Xylenes	11.62	106	70370	4.08	ug/l	95
69) o-Xylene	11.95	106	35062	2.11	ug/l	97
70) Styrene	11.96	104	48837	1.88	ug/l	97
71) Bromoform	12.13	173	11517	1.64	ug/l #	99
73) Isopropylbenzene	12.25	105	93030	2.89	ug/l	100
74) N-amyl acetate	12.07	43	17036	2.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	19752	2.28	ug/l	92
76) 1,2,3-Trichloropropane	12.55	75	23089	3.39	ug/l #	100
77) Bromobenzene	12.53	156	21142	2.42	ug/l	94
78) n-propylbenzene	12.59	91	90443	2.51	ug/l	96
79) 2-Chlorotoluene	12.68	91	55765	2.49	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	71108	2.74	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	4658	2.31	ug/l	93
82) 4-Chlorotoluene	12.78	91	54074	2.44	ug/l	97
83) tert-Butylbenzene	12.99	119	68145	3.03	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	67962	2.60	ug/l	100
85) sec-Butylbenzene	13.17	105	85145	2.89	ug/l	99
86) p-Isopropyltoluene	13.29	119	69585	2.77	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	33779	2.27	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	32130	2.20	ug/l	89
89) n-Butylbenzene	13.62	91	44475	2.21	ug/l	98
90) Hexachloroethane	13.88	117	12438	2.39	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	32439	2.26	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2568	2.22	ug/l	91

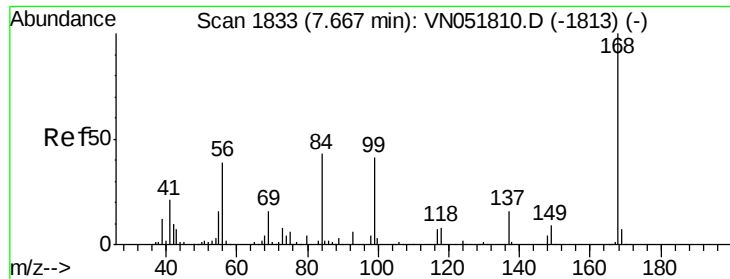
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	10617	1.70	ug/l	93
94) Hexachlorobutadiene	15.01	225	11370	2.43	ug/l	98
95) Naphthalene	15.14	128	24196	1.97	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	12609	2.08	ug/l	91

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

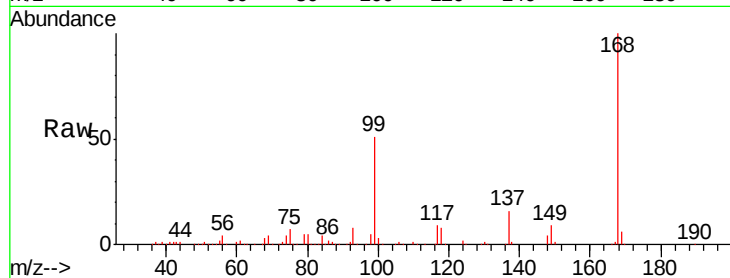
VSTDIC020

Tgt Ion: 168 Resp: 832595

Ion Ratio Lower Upper

168 100

99 50.5 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN051810.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051810.D (-1813) (-)

7.67

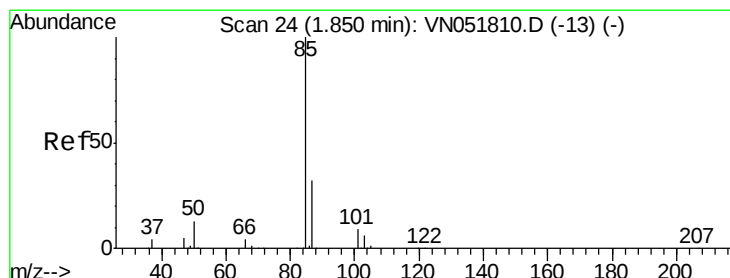
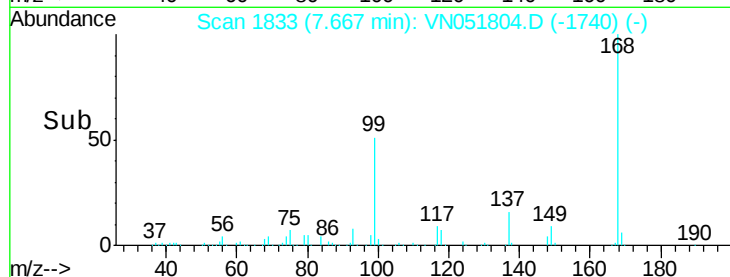
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.26 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051804.D

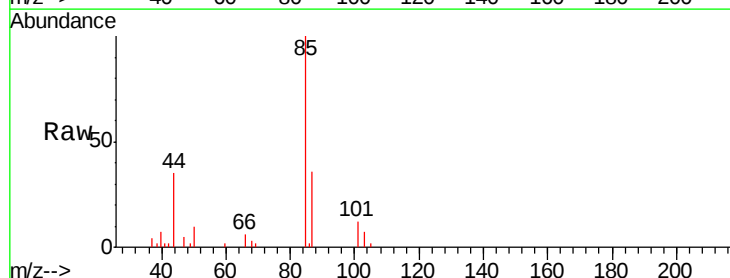
Acq: 11 Oct 2018 9:11

Tgt Ion: 85 Resp: 14063

Ion Ratio Lower Upper

85 100

87 36.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN051810.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051810.D (-13) (-)

1.85

12000

10000

8000

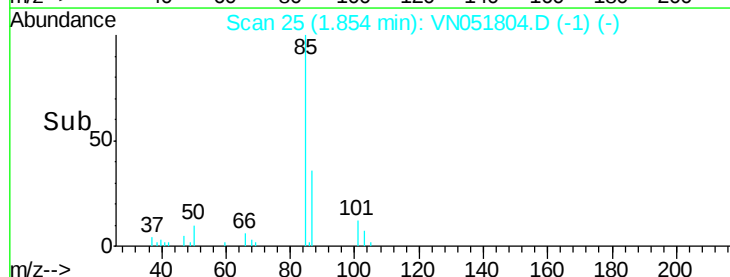
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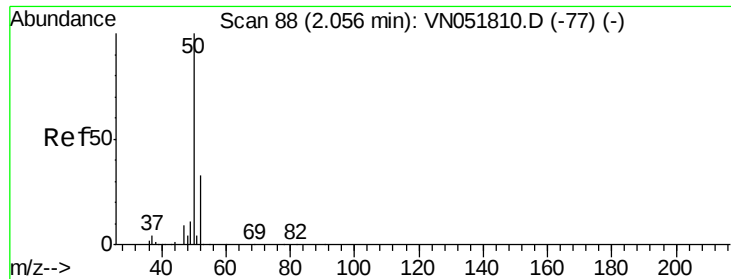
4000

2000

0

Time-->





#3

Chloromethane

Concen: 1.23 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampled :

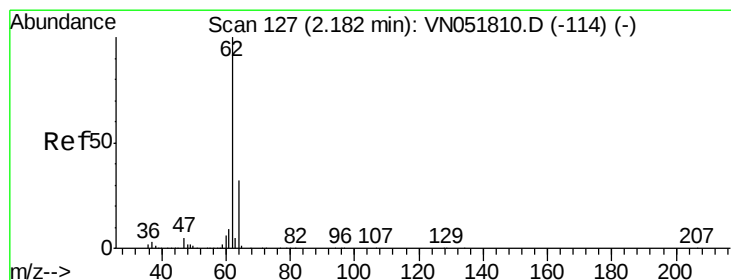
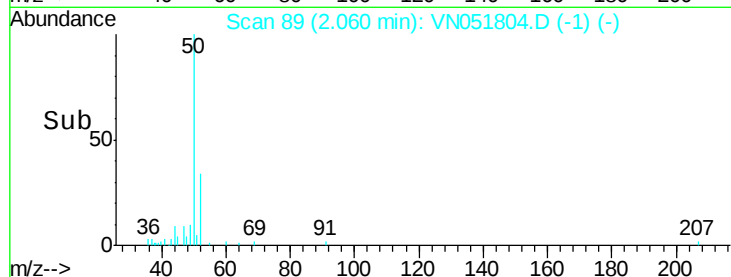
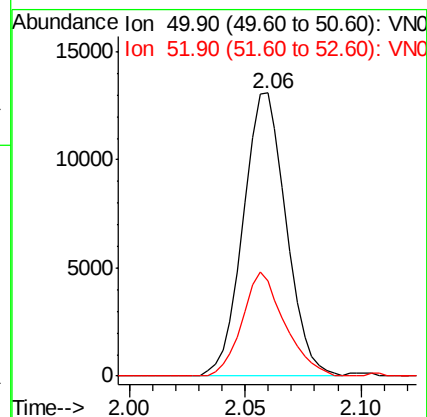
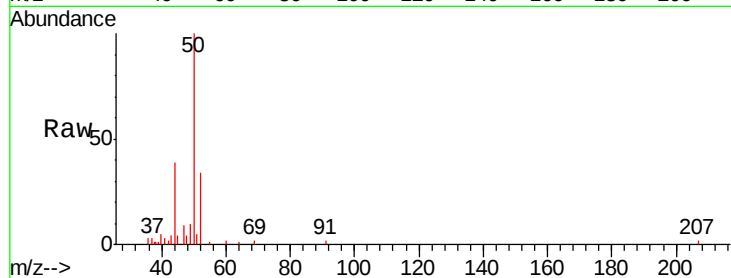
VSTDIC020

Tgt Ion: 50 Resp: 16873

Ion Ratio Lower Upper

50 100

52 33.7 26.3 39.5



#4

Vinyl Chloride

Concen: 1.95 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051804.D

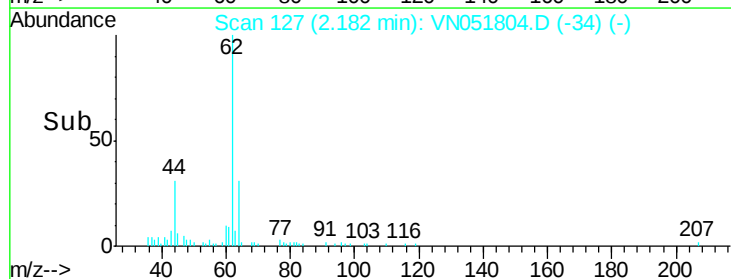
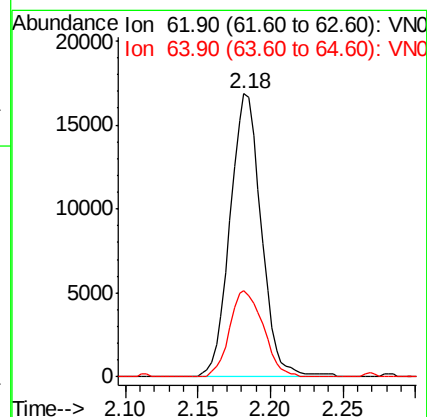
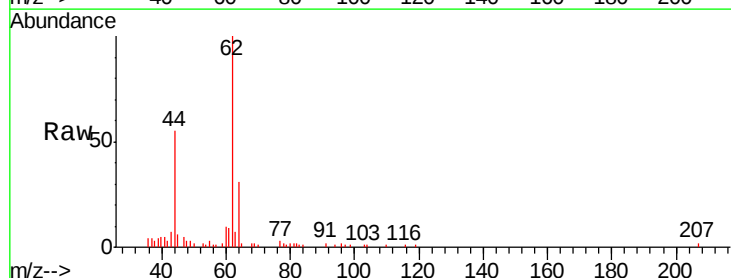
Acq: 11 Oct 2018 9:11

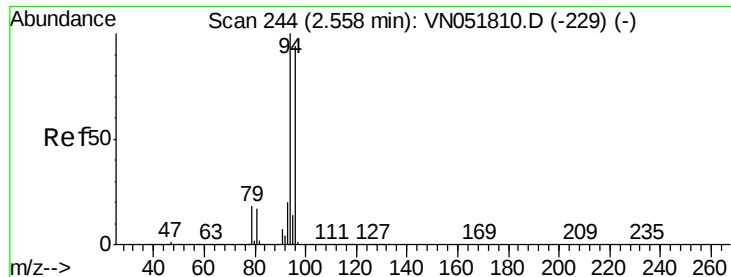
Tgt Ion: 62 Resp: 25322

Ion Ratio Lower Upper

62 100

64 30.6 25.4 38.2





#5

Bromomethane

Concen: 2.75 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

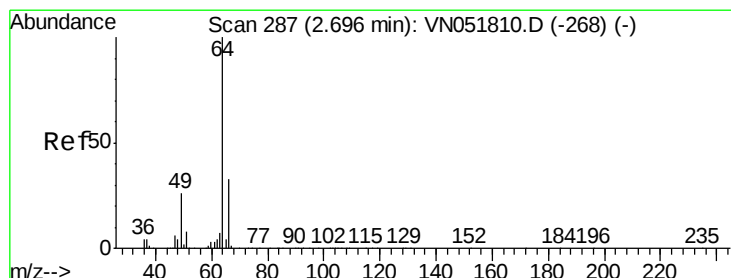
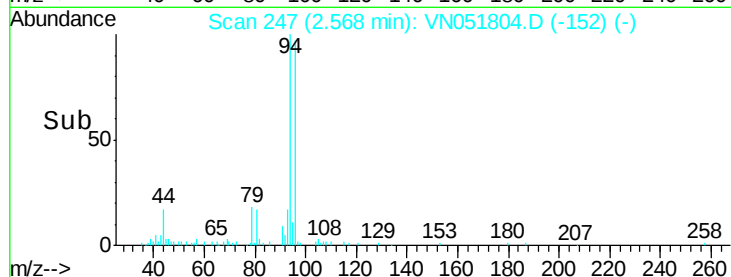
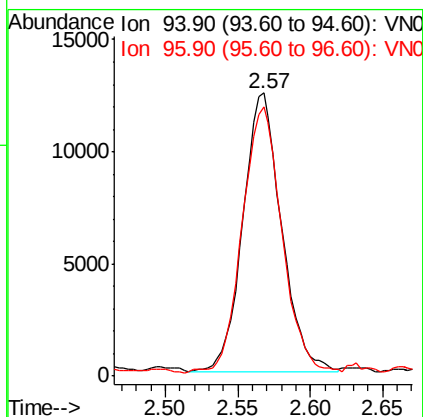
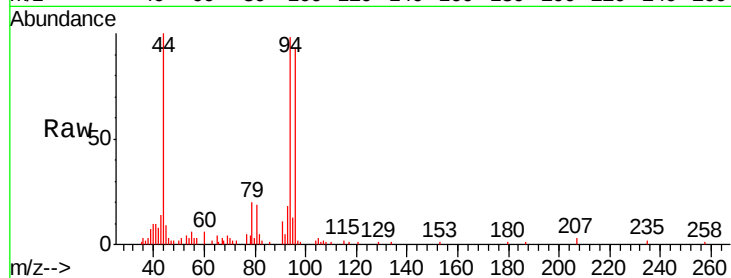
VSTDIC020

Tgt Ion: 94 Resp: 23014

Ion Ratio Lower Upper

94 100

96 95.1 76.2 114.2



#6

Chloroethane

Concen: 2.64 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051804.D

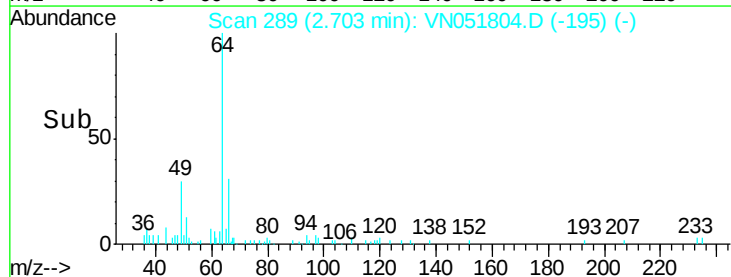
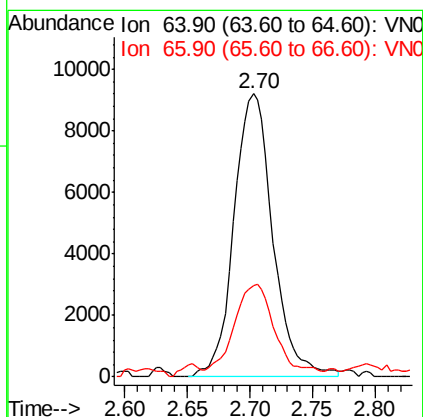
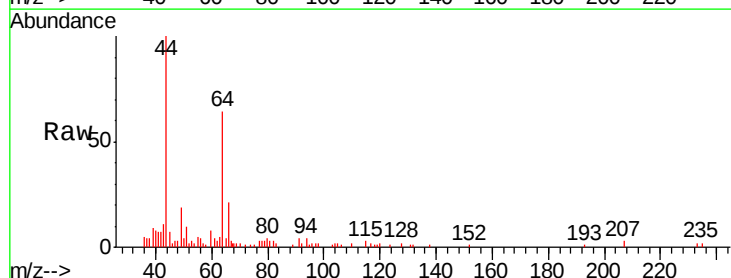
Acq: 11 Oct 2018 9:11

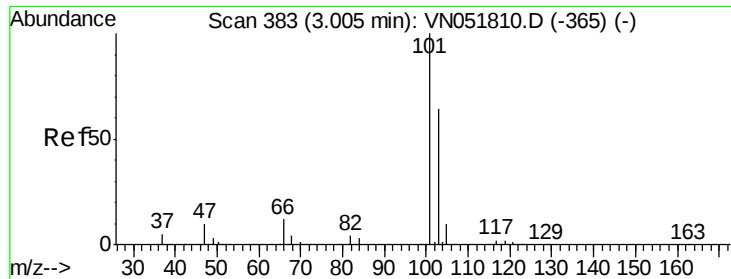
Tgt Ion: 64 Resp: 19875

Ion Ratio Lower Upper

64 100

66 30.2 25.3 37.9





#7

Trichlorofluoromethane

Concen: 1.74 ug/l

RT: 3.02 min Scan# 387

Delta R.T. 0.01 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

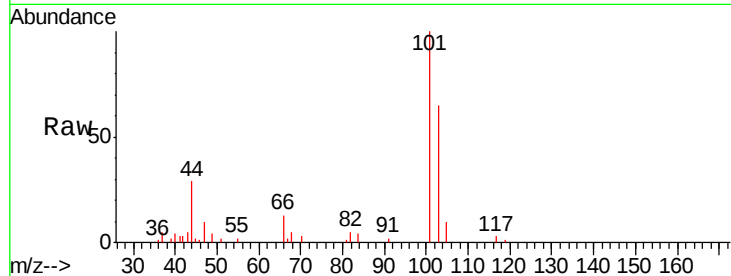
VSTDIC020

Tgt Ion:101 Resp: 28956

Ion Ratio Lower Upper

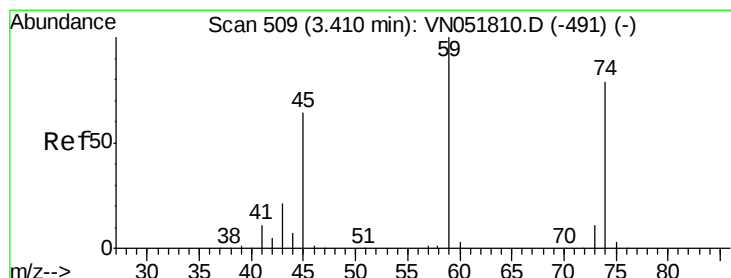
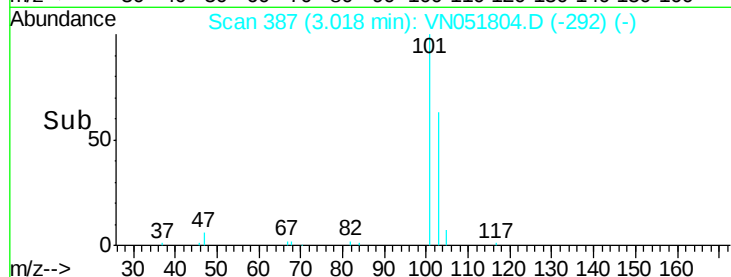
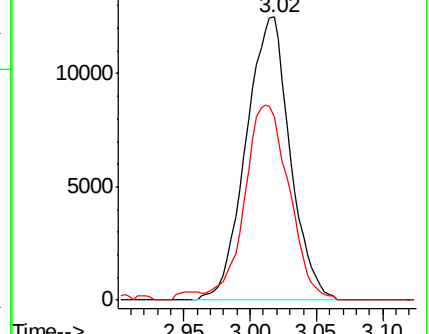
101 100

103 64.7 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.66 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN051804.D

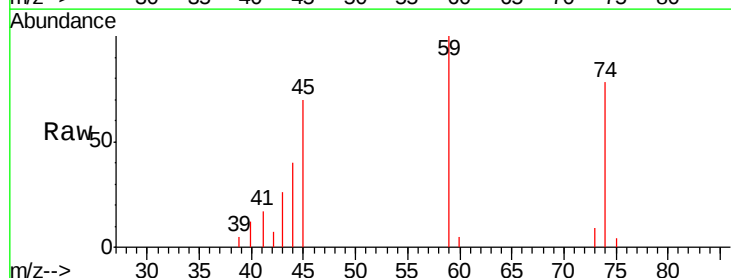
Acq: 11 Oct 2018 9:11

Tgt Ion: 74 Resp: 9403

Ion Ratio Lower Upper

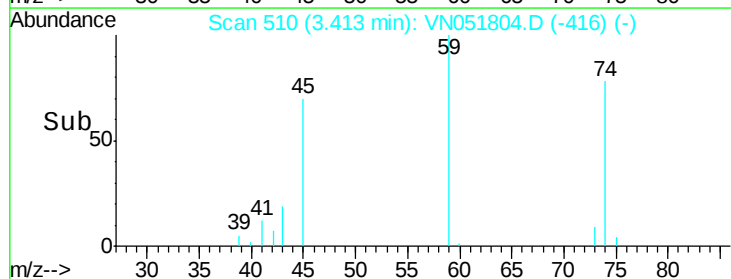
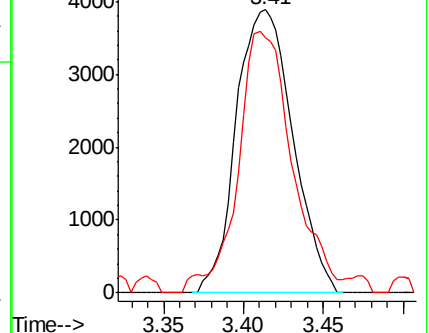
74 100

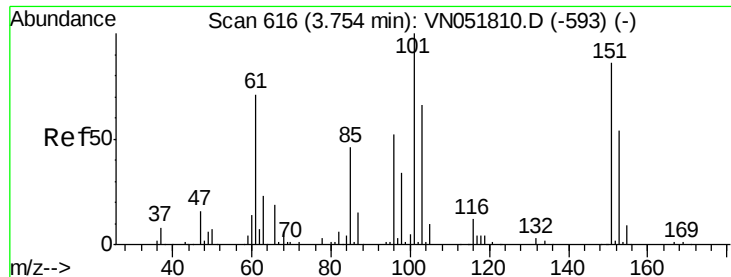
45 88.7 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.80 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

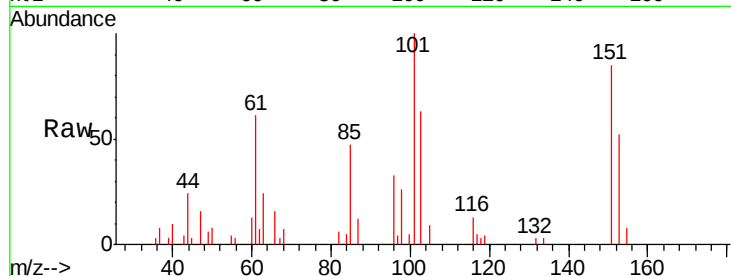
Tgt Ion:101 Resp: 18740

Ion Ratio Lower Upper

101 100

85 43.2 33.7 50.5

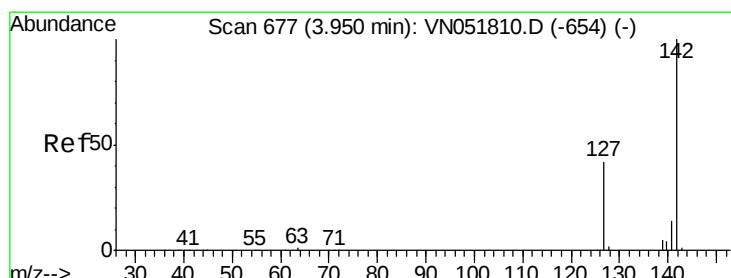
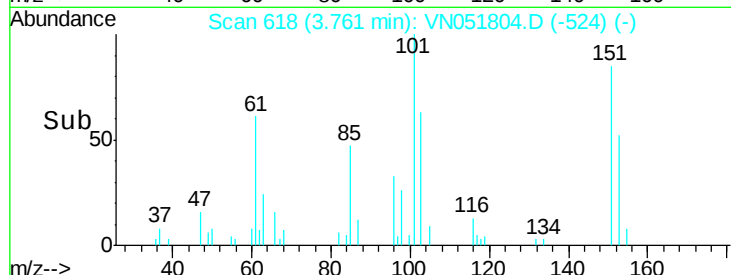
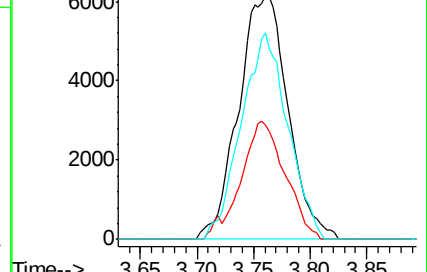
151 79.5 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.38 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.01 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

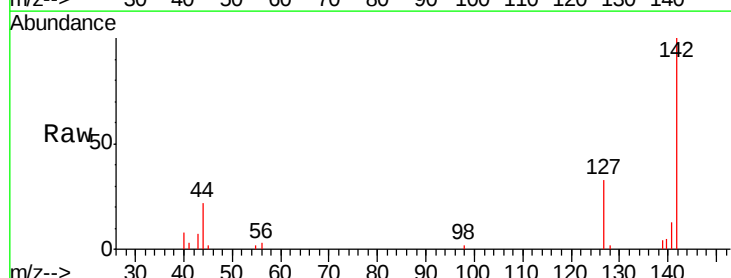
Tgt Ion:142 Resp: 19643

Ion Ratio Lower Upper

142 100

127 39.9 31.7 47.5

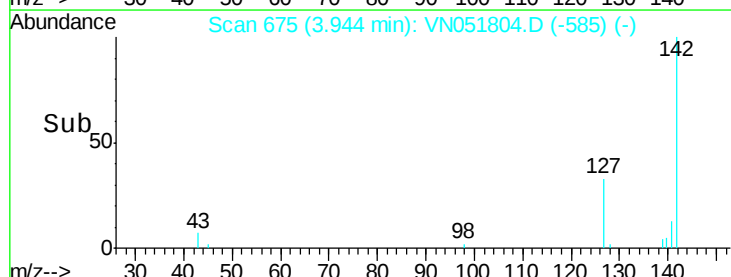
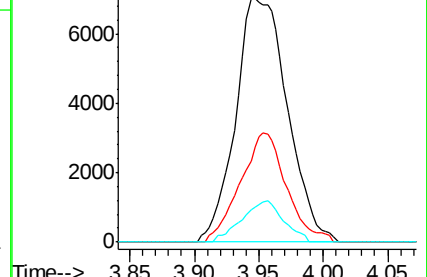
141 13.6 11.4 17.0

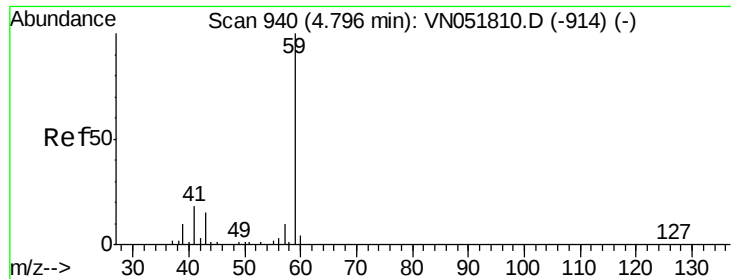


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



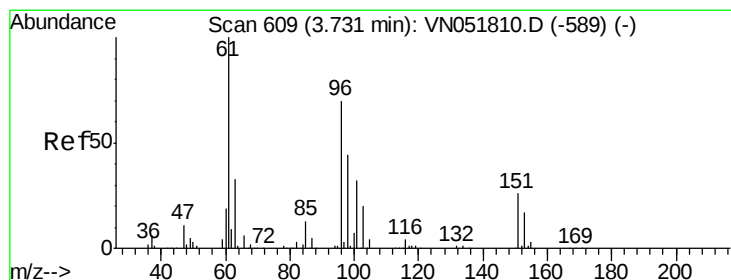
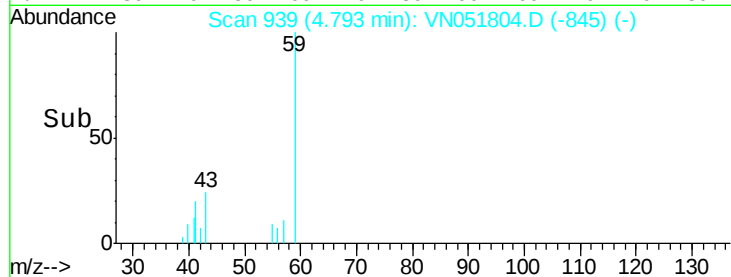
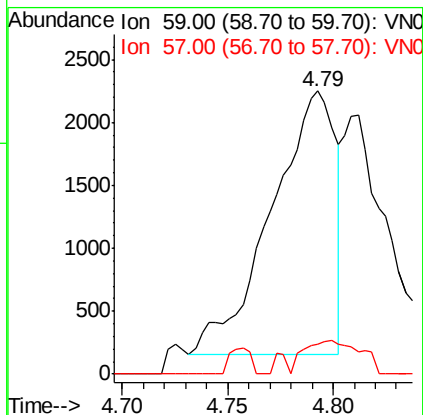
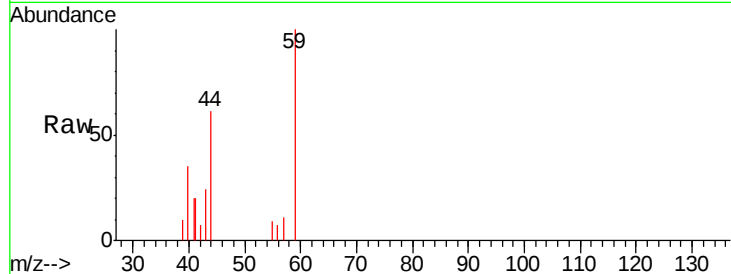


#11

Tert butyl alcohol
 Concen: 6.93 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

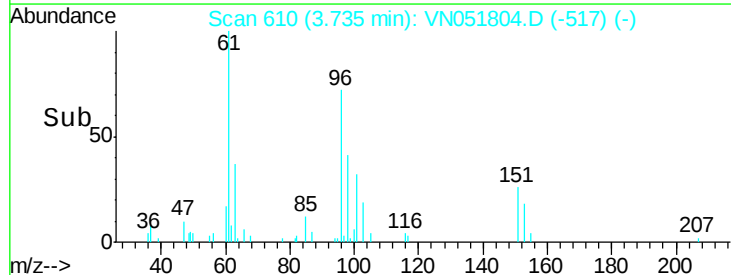
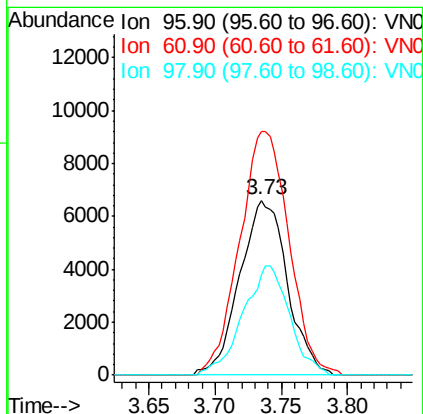
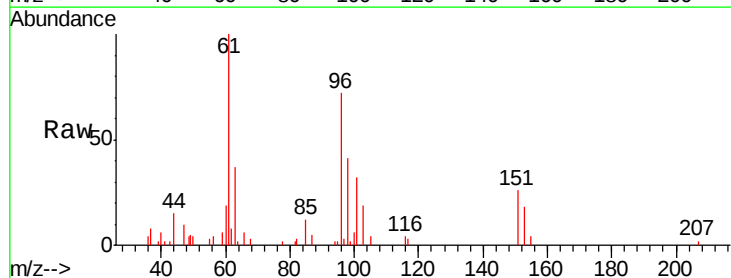
Tgt Ion: 59 Resp: 4422
 Ion Ratio Lower Upper
 59 100
 57 11.3 8.3 12.5

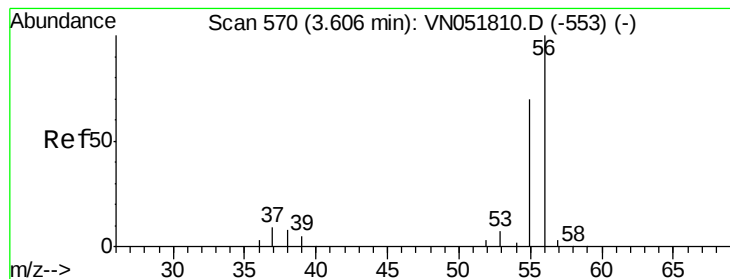


#12

1,1-Dichloroethene
 Concen: 1.77 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Tgt Ion: 96 Resp: 16541
 Ion Ratio Lower Upper
 96 100
 61 139.6 124.9 187.3
 98 57.2 51.1 76.7





#13

Acrolein

Concen: 180.62 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

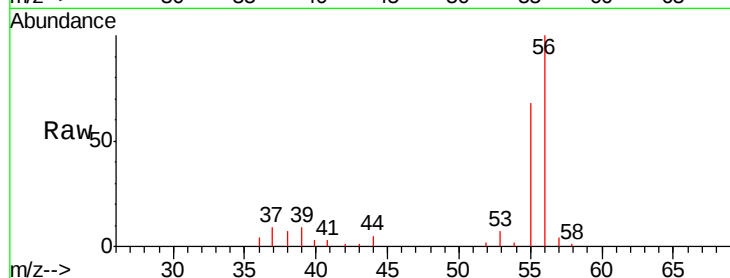
VSTDIC020

Tgt Ion: 56 Resp: 62969

Ion Ratio Lower Upper

56 100

55 69.7 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

25000

20000

15000

10000

5000

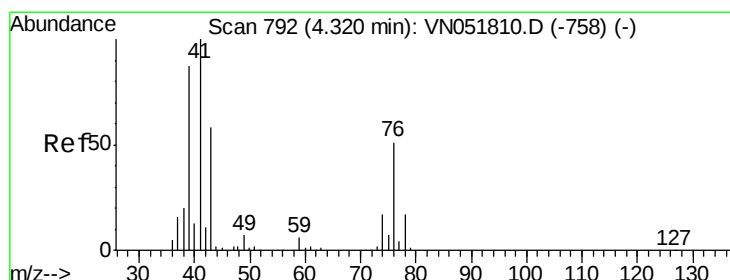
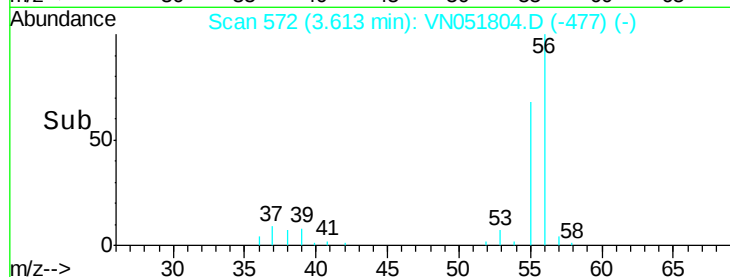
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 1.38 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

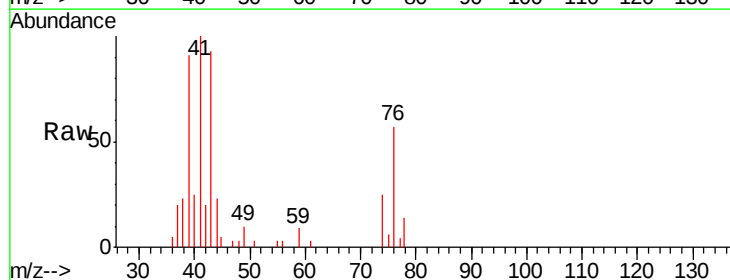
Tgt Ion: 41 Resp: 20096

Ion Ratio Lower Upper

41 100

39 82.6 50.2 75.2#

76 47.7 29.8 44.8#



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

4.33

8000

6000

4000

2000

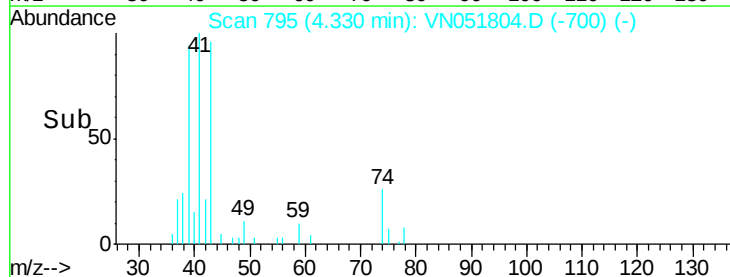
0

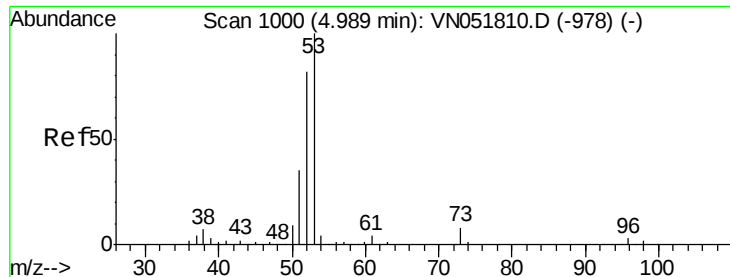
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 7.49 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

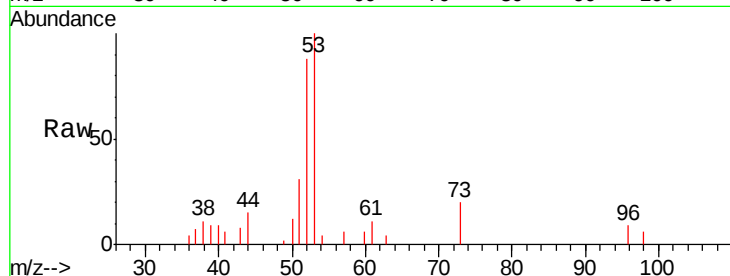
Tgt Ion: 53 Resp: 24292

Ion Ratio Lower Upper

53 100

52 82.9 65.9 98.9

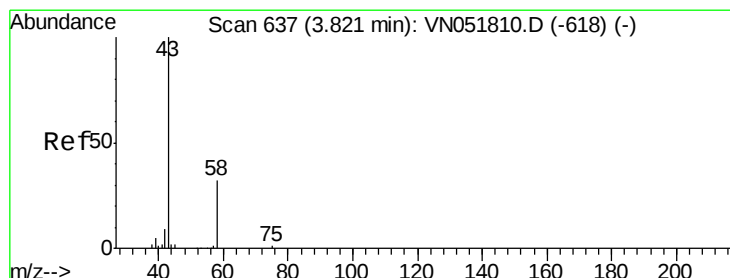
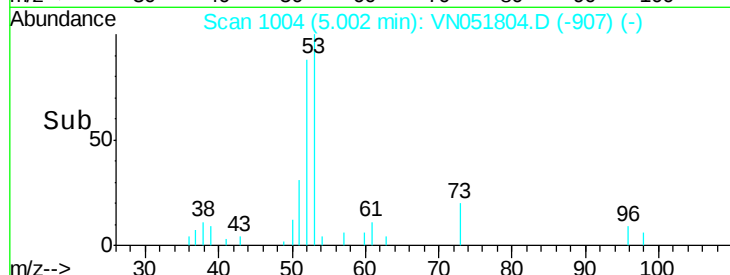
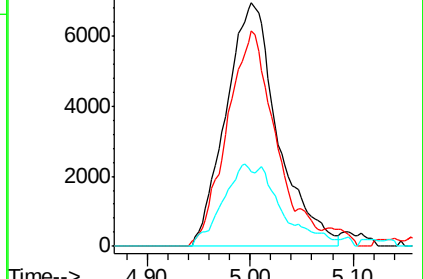
51 20.4 28.6 43.0#



Abundance Ion 53.00 (52.70 to 53.70): VN051810.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN051810.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN051810.D (-978) (-)



#16

Acetone

Concen: 8.53 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051804.D

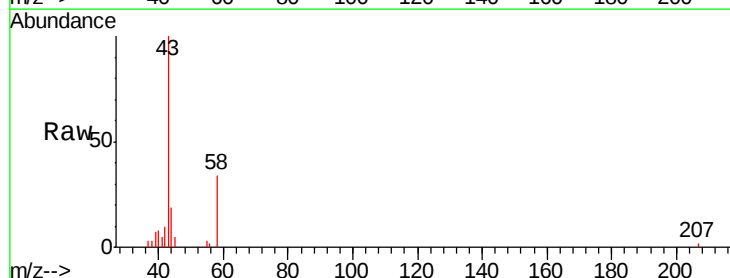
Acq: 11 Oct 2018 9:11

Tgt Ion: 43 Resp: 23103

Ion Ratio Lower Upper

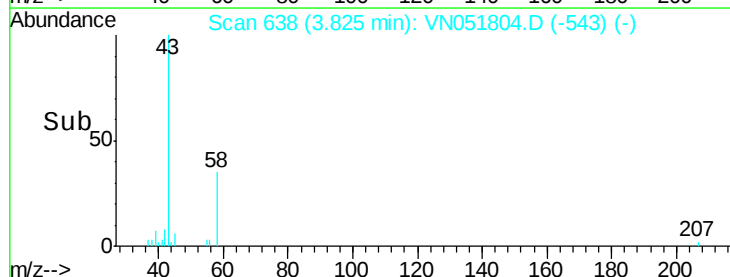
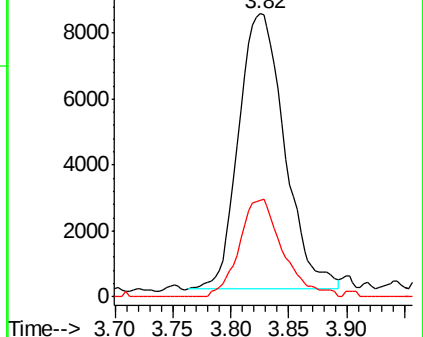
43 100

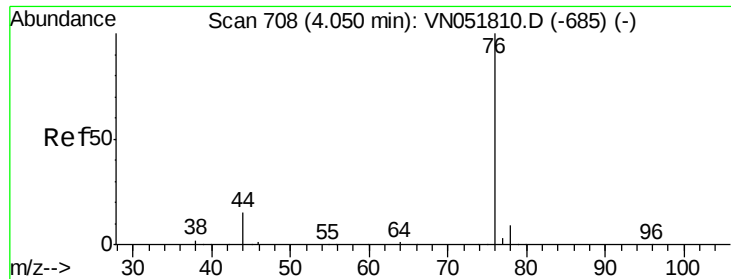
58 35.1 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN051810.D (-618) (-)

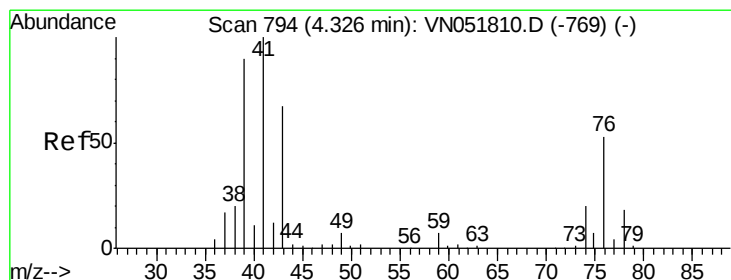
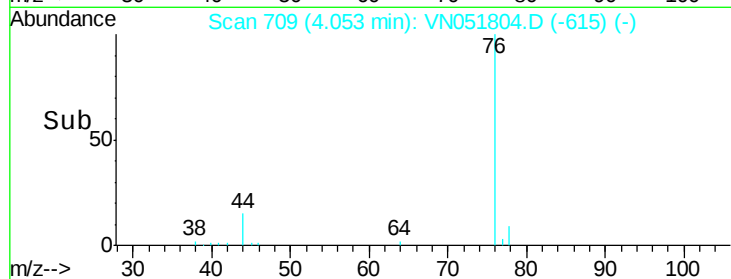
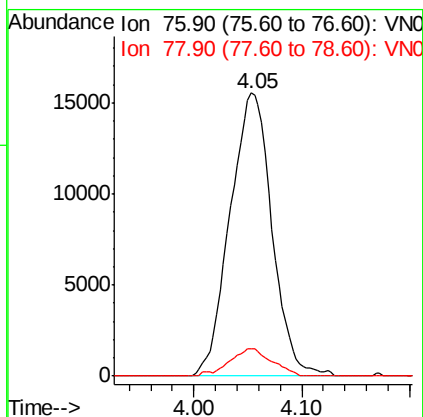
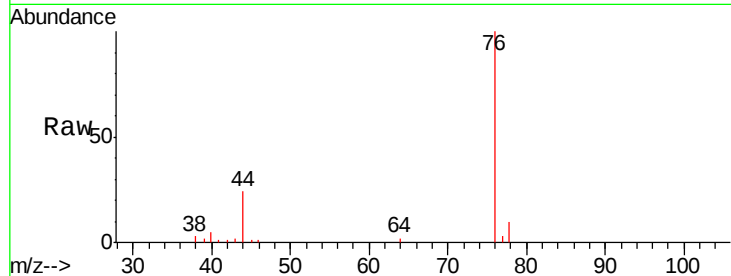




#17
Carbon Disulfide
Concen: 1.34 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

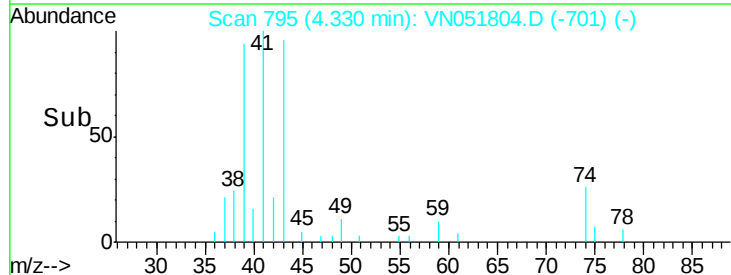
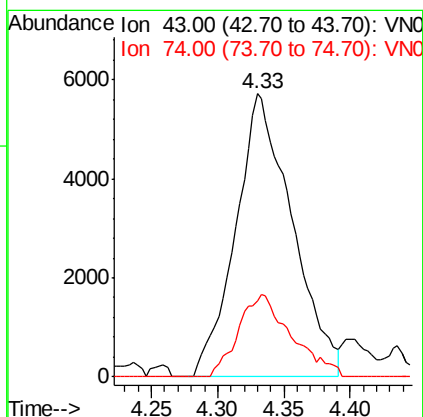
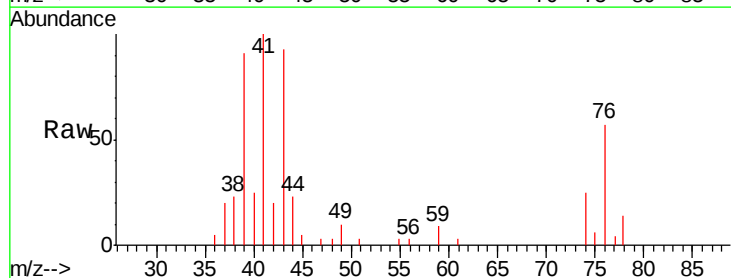
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

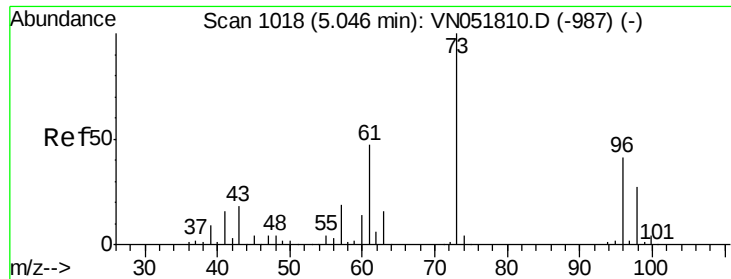
Tgt Ion: 76 Resp: 42063
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9



#18
Methyl Acetate
Concen: 1.79 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Tgt Ion: 43 Resp: 16933
Ion Ratio Lower Upper
43 100
74 27.3 19.8 29.8

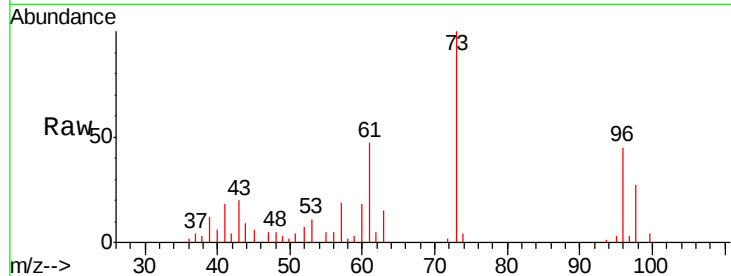




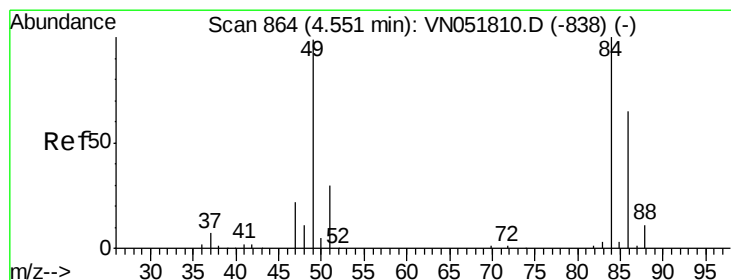
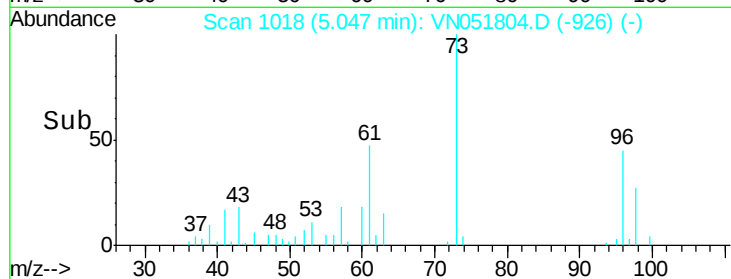
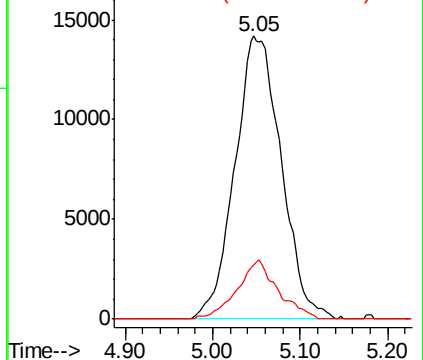
#19
Methyl tert-butyl Ether
Concen: 2.21 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 52040
Ion Ratio Lower Upper
73 100
57 19.3 17.8 26.8

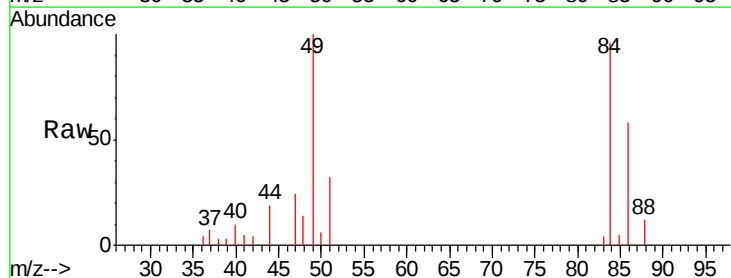


Abundance Ion 73.00 (72.70 to 73.70): VN051810.D (-987) (-)
Ion 57.00 (56.70 to 57.70): VN051810.D (-987) (-)

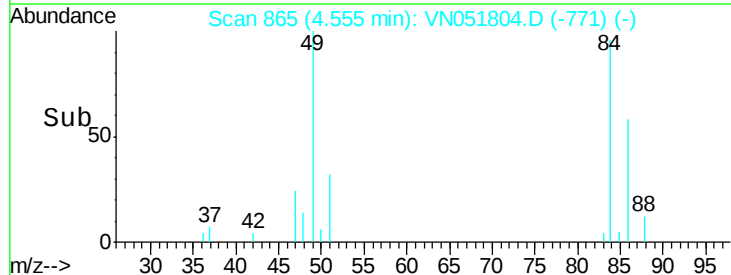
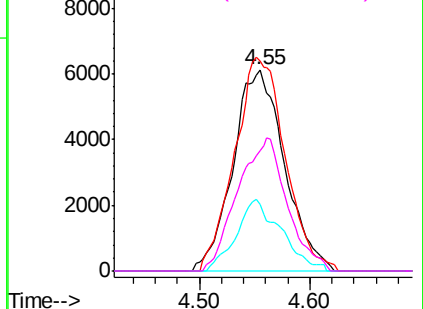


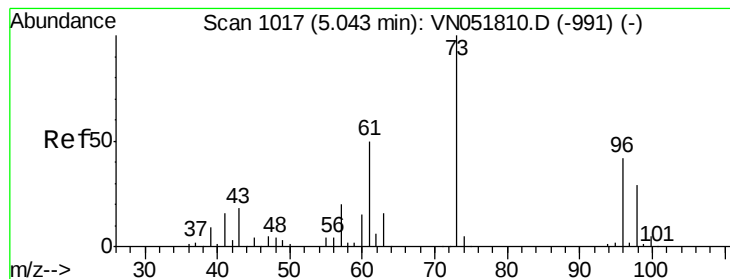
#20
Methylene Chloride
Concen: 1.75 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Tgt Ion: 84 Resp: 19803
Ion Ratio Lower Upper
84 100
49 104.1 93.2 139.8
51 33.2 29.0 43.6
86 60.0 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VN051810.D (-838) (-)
Ion 48.90 (48.60 to 49.60): VN051810.D (-838) (-)
Ion 50.90 (50.60 to 51.60): VN051810.D (-838) (-)
Ion 85.90 (85.60 to 86.60): VN051810.D (-838) (-)





#21

trans-1,2-Dichloroethene

Concen: 1.94 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

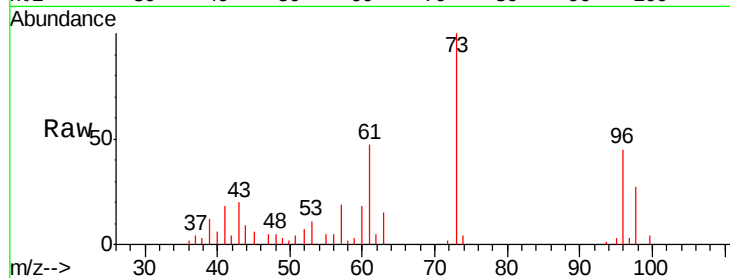
Tgt Ion: 96 Resp: 19602

Ion Ratio Lower Upper

96 100

61 104.0 107.4 161.0#

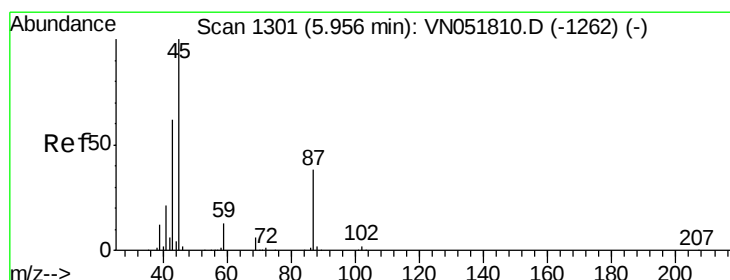
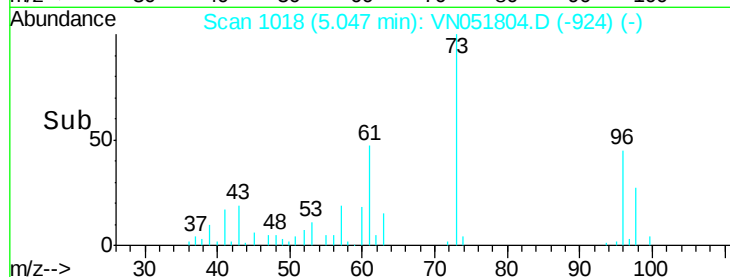
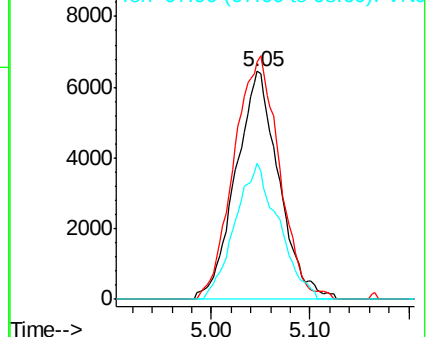
98 59.6 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 1.58 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Tgt Ion: 45 Resp: 45815

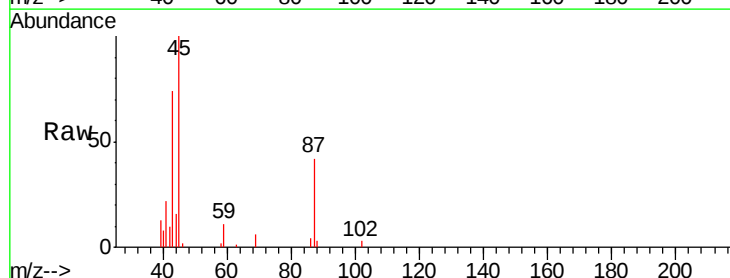
Ion Ratio Lower Upper

45 100

43 68.2 45.9 68.9

87 42.0 22.7 34.1#

59 11.2 9.3 13.9

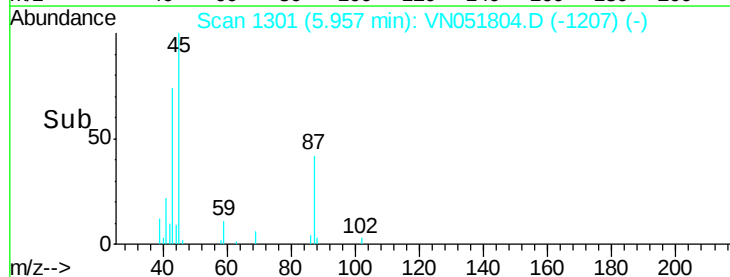
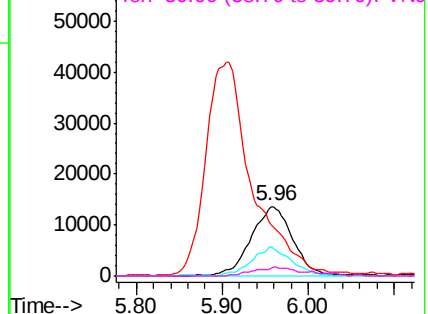


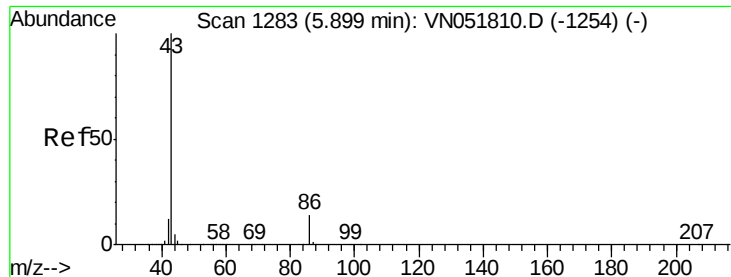
Abundance Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 8.45 ug/l

RT: 5.91 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

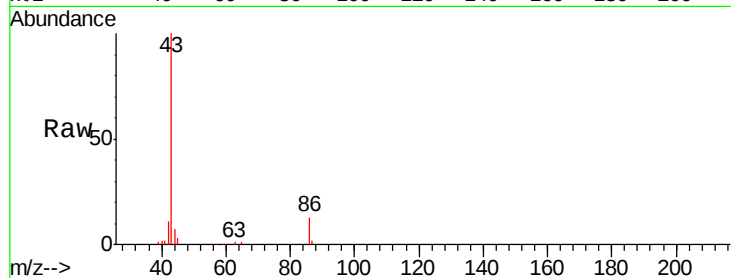
VSTDIC020

Tgt Ion: 43 Resp: 158098

Ion Ratio Lower Upper

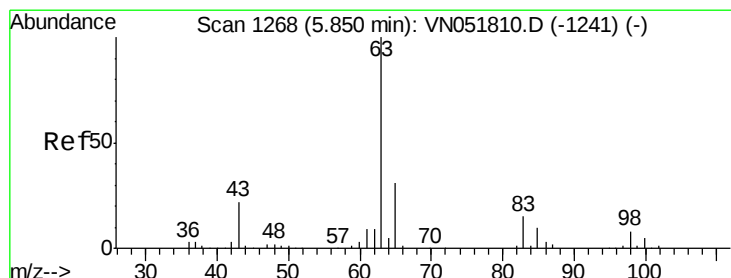
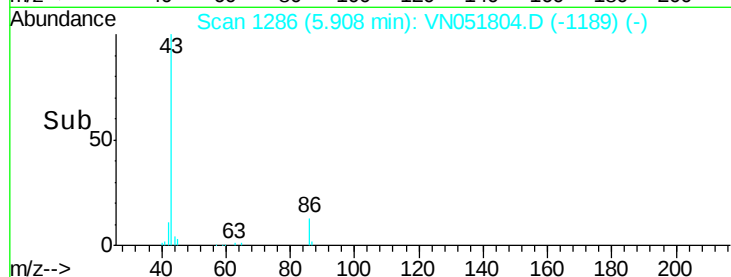
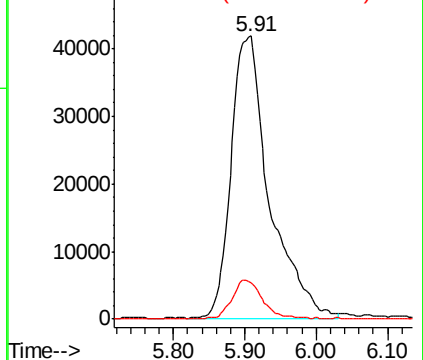
43 100

86 13.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 1.68 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

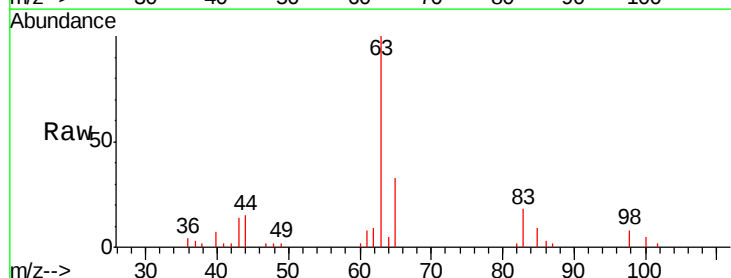
Tgt Ion: 63 Resp: 31342

Ion Ratio Lower Upper

63 100

98 8.0 3.3 9.8

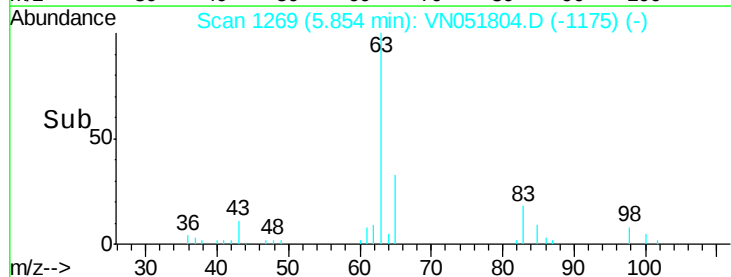
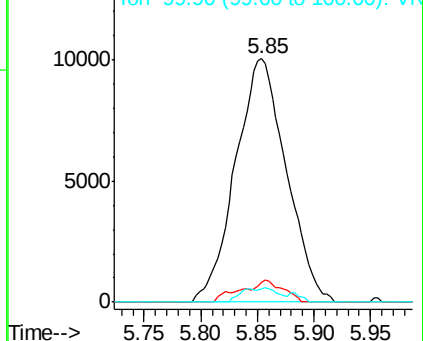
100 5.4 2.1 6.5

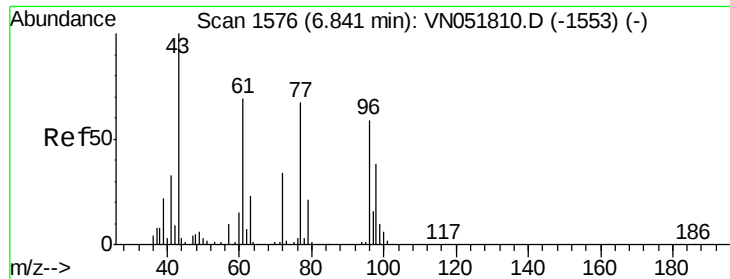


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

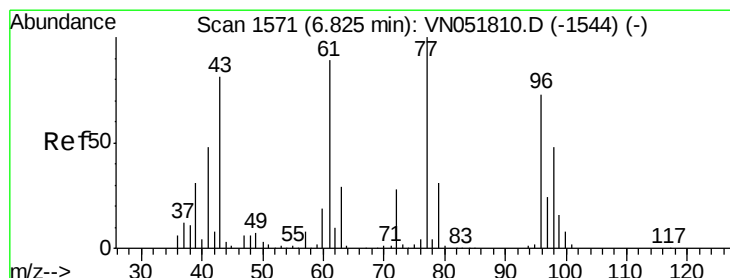
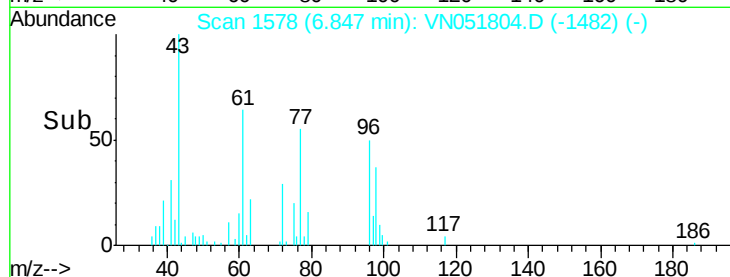
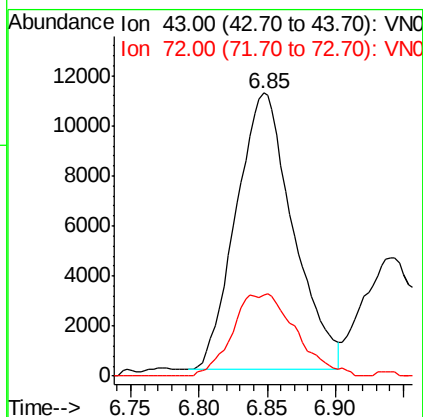
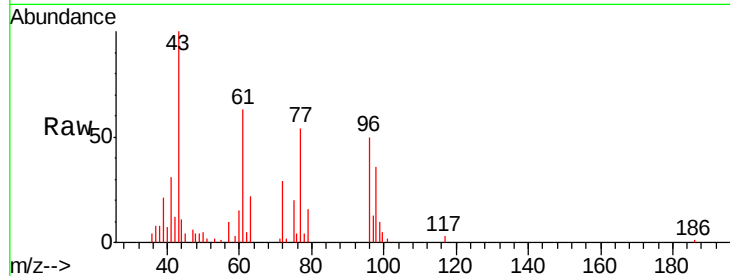




#25
 2-Butanone
 Concen: 7.97 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

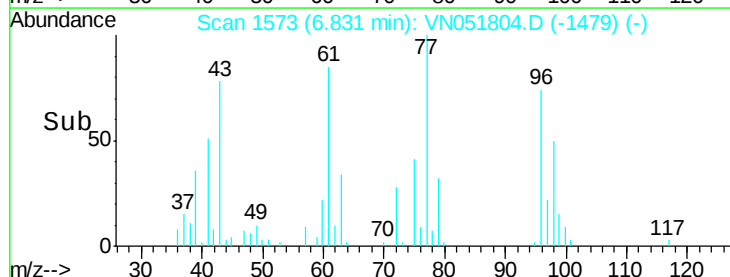
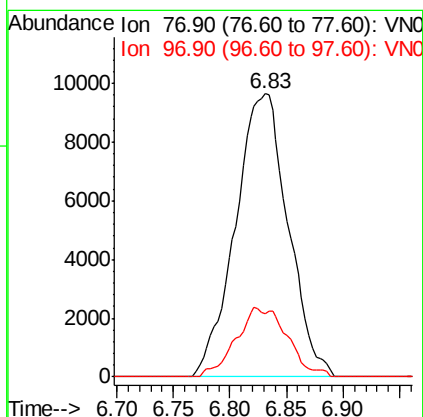
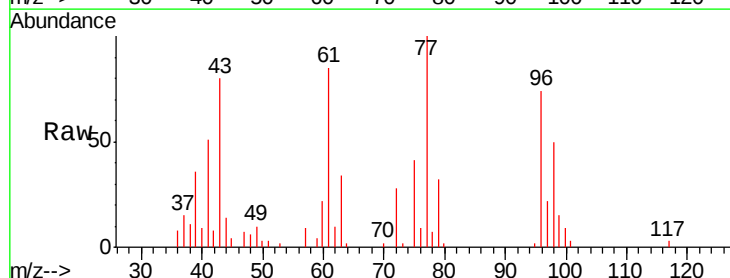
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

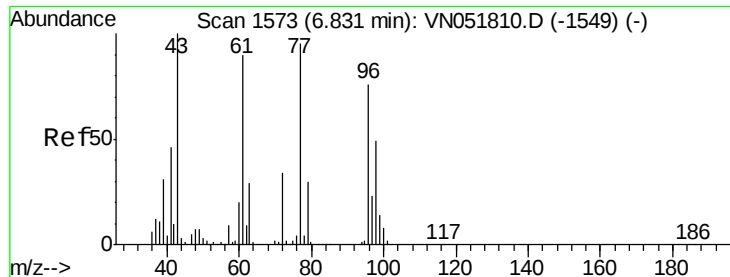
Tgt Ion: 43 Resp: 32210
 Ion Ratio Lower Upper
 43 100
 72 29.4 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 2.09 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Tgt Ion: 77 Resp: 31243
 Ion Ratio Lower Upper
 77 100
 97 13.7 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 2.00 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

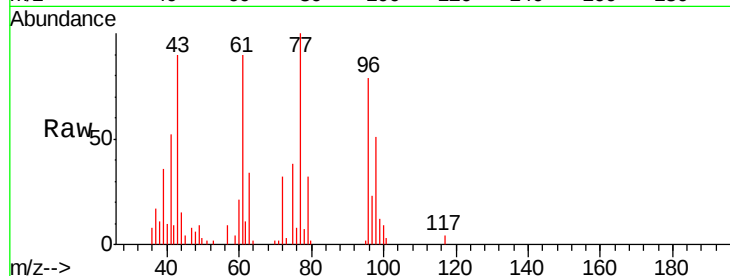
Tgt Ion: 96 Resp: 21790

Ion Ratio Lower Upper

96 100

61 122.0 0.0 283.4

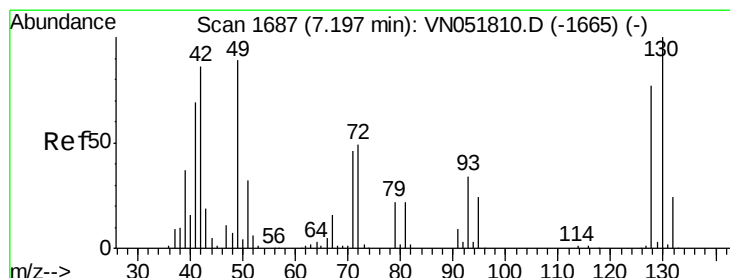
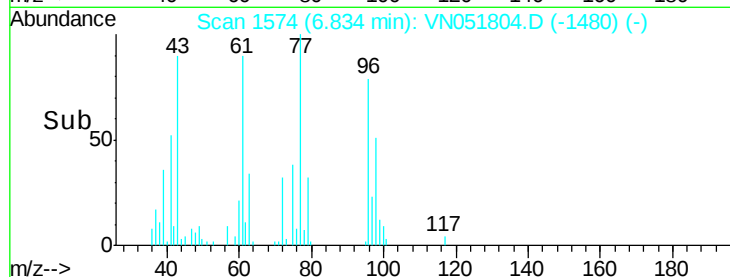
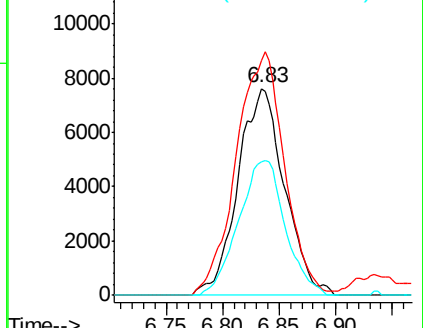
98 65.1 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN051810.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN051810.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN051810.D (-1549) (-)



#28

Bromochloromethane

Concen: 11.62 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

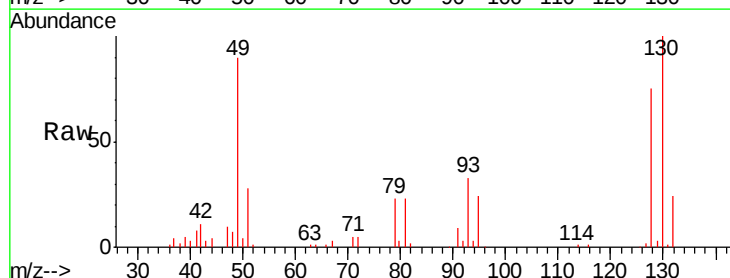
Tgt Ion: 49 Resp: 92061

Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.2

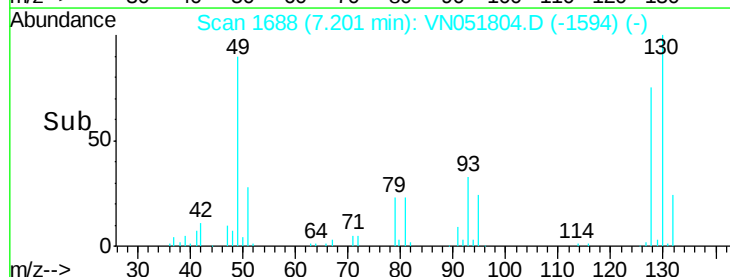
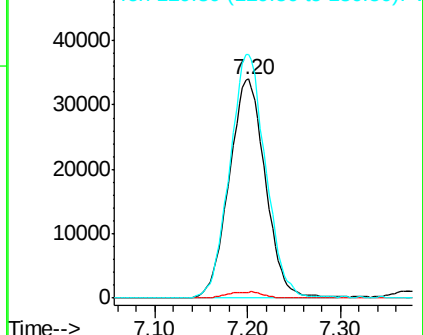
130 110.6 67.1 100.7#

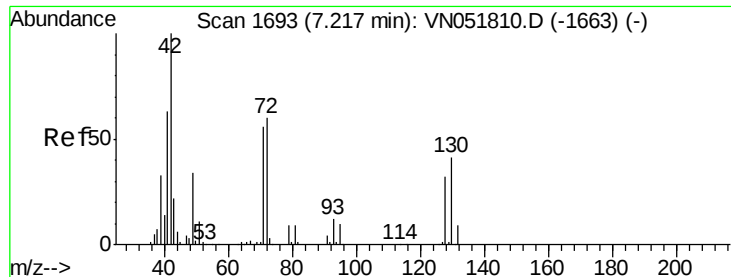


Abundance Ion 48.90 (48.60 to 49.60): VN051810.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051810.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051810.D (-1665) (-)

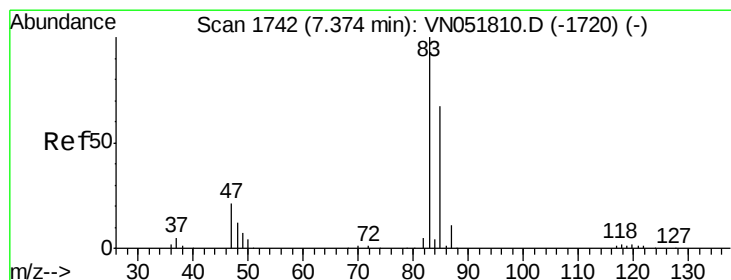
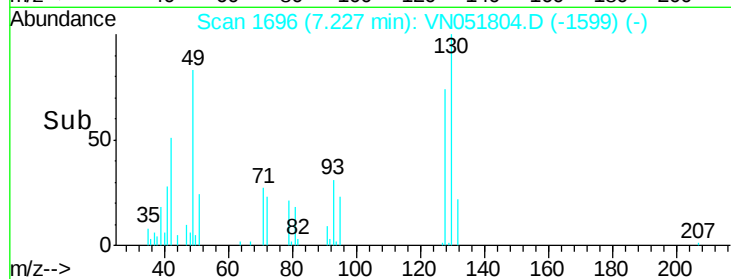
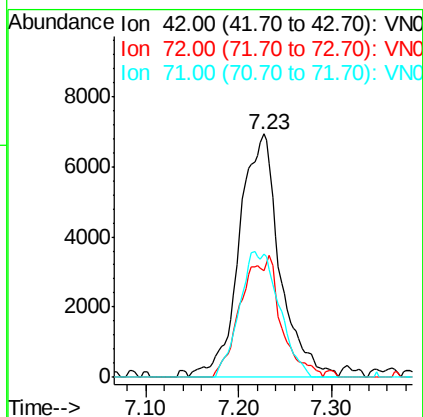
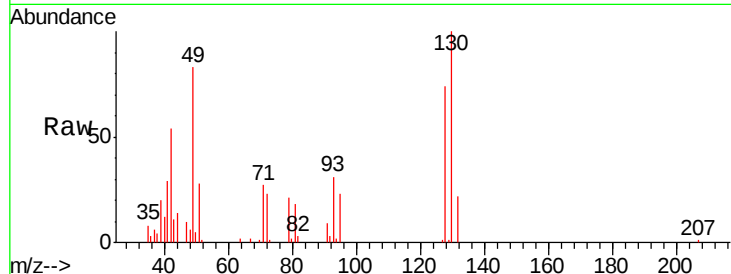




#29
Tetrahydrofuran
Concen: 9.09 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

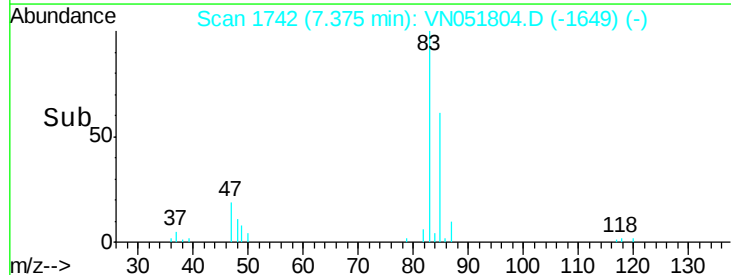
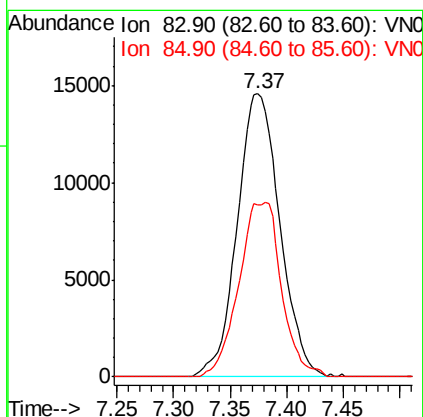
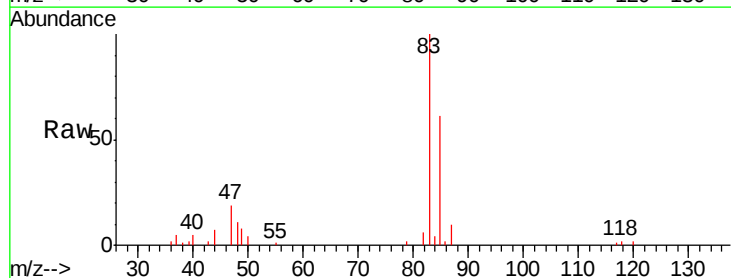
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

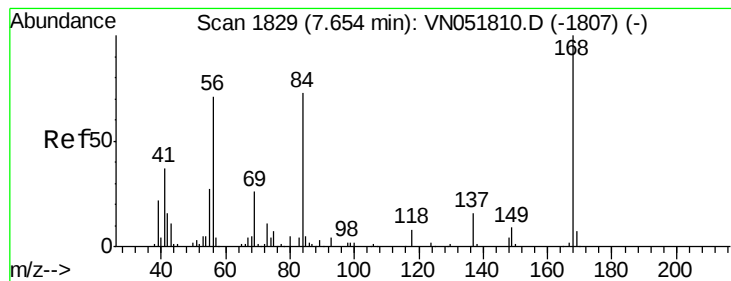
Tgt Ion: 42 Resp: 21052
Ion Ratio Lower Upper
42 100
72 28.8 35.5 53.3#
71 50.7 33.7 50.5#



#30
Chloroform
Concen: 2.07 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Tgt Ion: 83 Resp: 38257
Ion Ratio Lower Upper
83 100
85 60.8 52.2 78.4





#31

Cyclohexane

Concen: 2.21 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

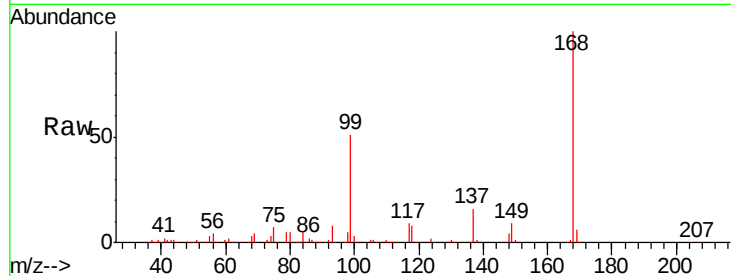
Tgt Ion: 56 Resp: 40999

Ion Ratio Lower Upper

56 100

69 91.2 26.2 39.4#

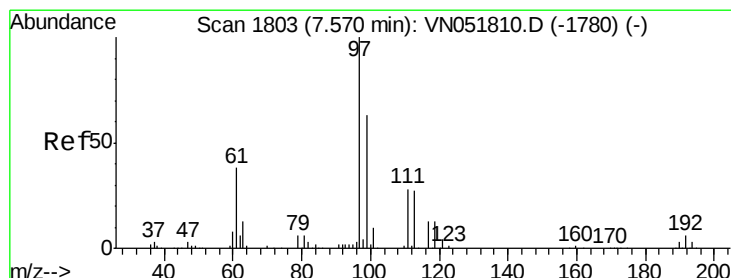
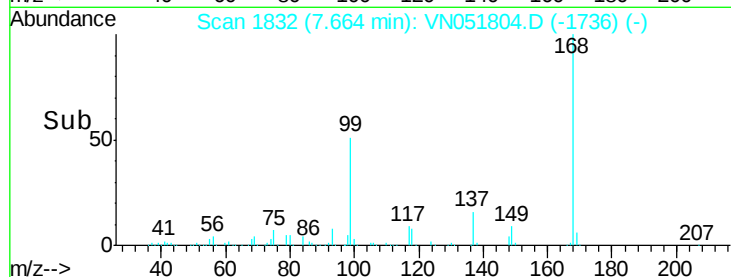
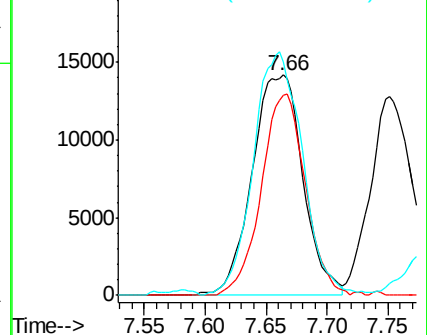
84 104.5 68.3 102.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 2.16 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

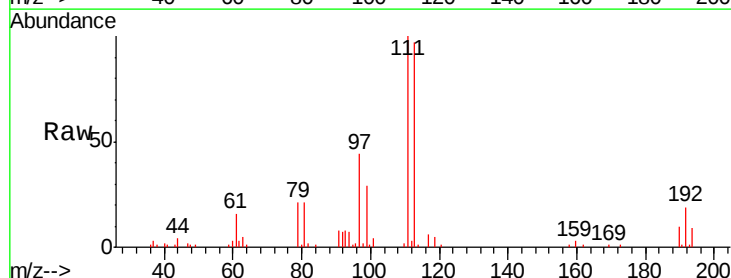
Tgt Ion: 97 Resp: 34183

Ion Ratio Lower Upper

97 100

99 68.1 51.8 77.6

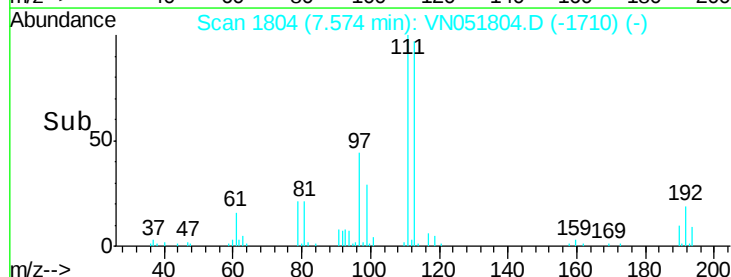
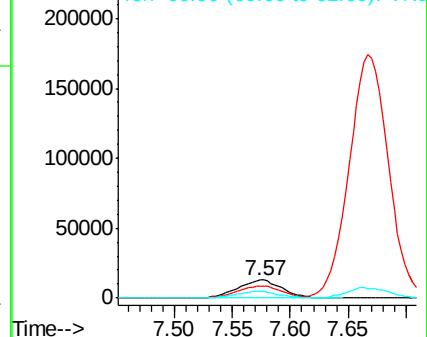
61 35.7 34.9 52.3

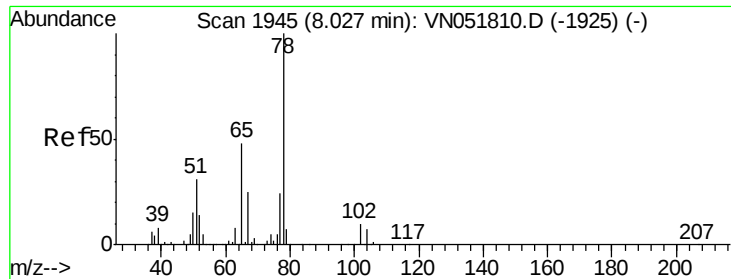


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 2.16 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

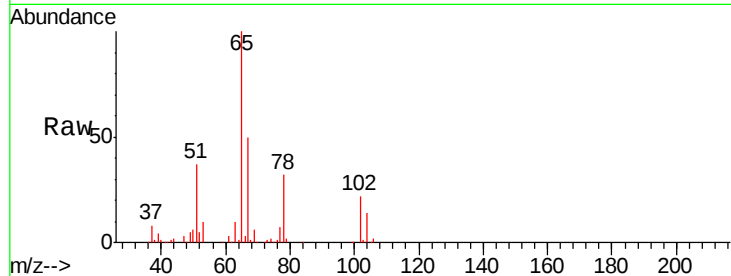
VSTDIC020

Tgt Ion: 65 Resp: 164776

Ion Ratio Lower Upper

65 100

67 50.4 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN051810.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN051810.D (-1925) (-)

8.03

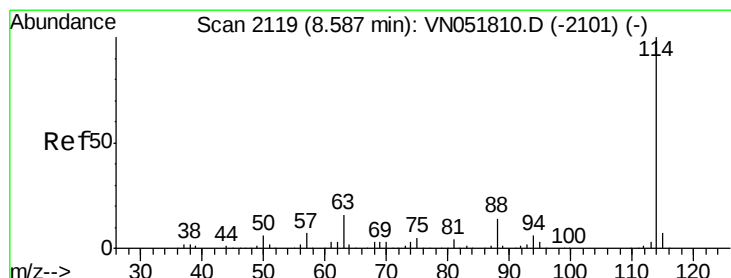
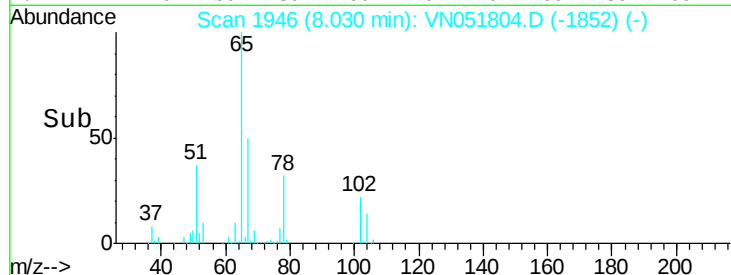
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

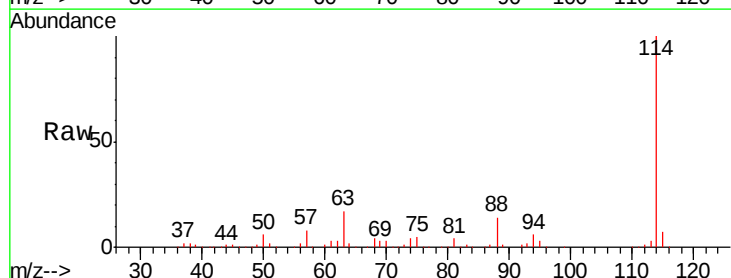
Tgt Ion: 114 Resp: 1232677

Ion Ratio Lower Upper

114 100

63 17.4 0.0 38.6

88 14.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VN051810.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051810.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051810.D (-2101) (-)

8.59

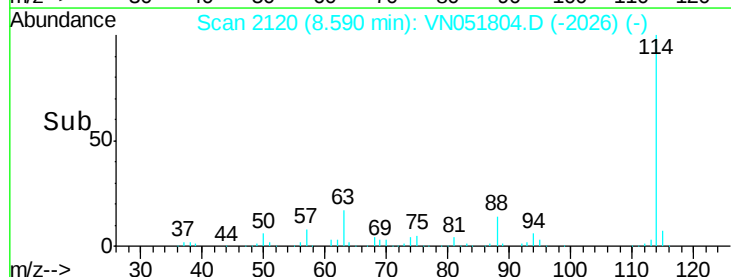
600000

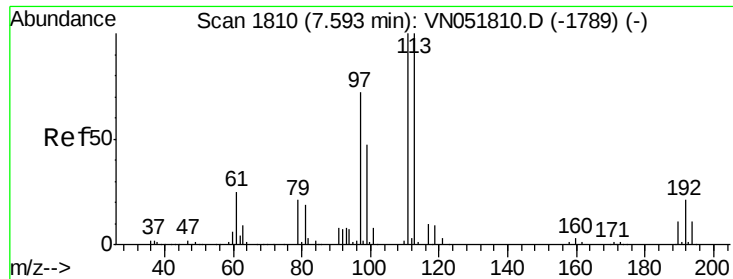
400000

200000

0

Time--> 8.50 8.60 8.70

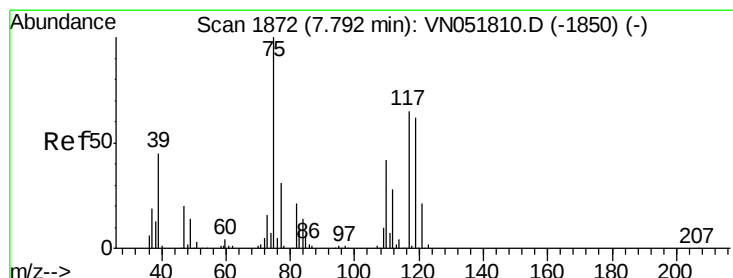
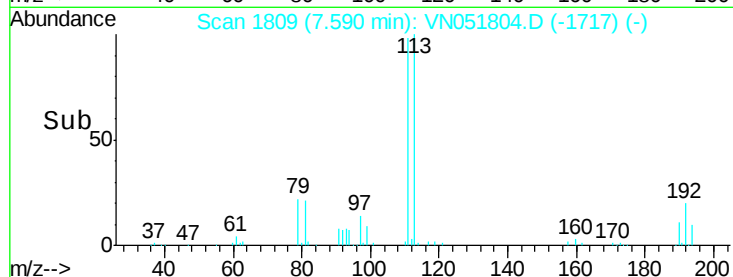
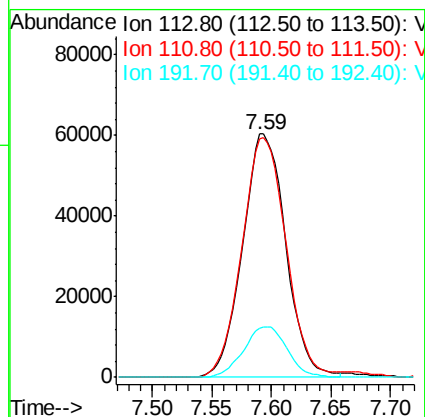
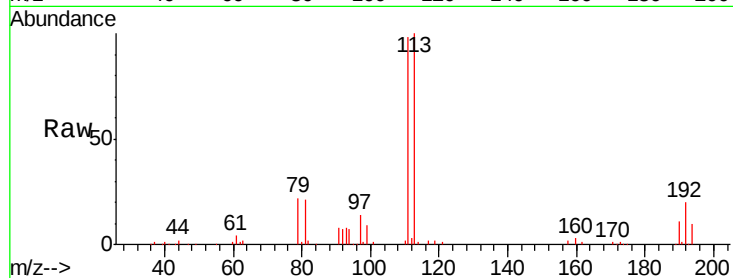




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

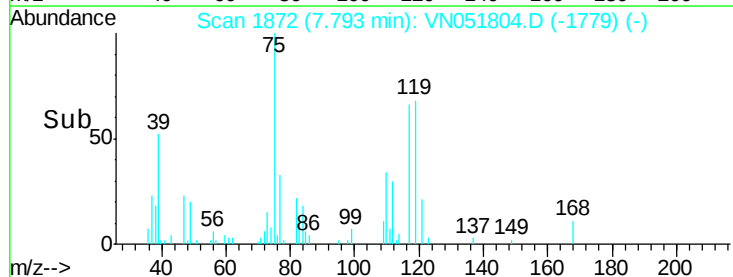
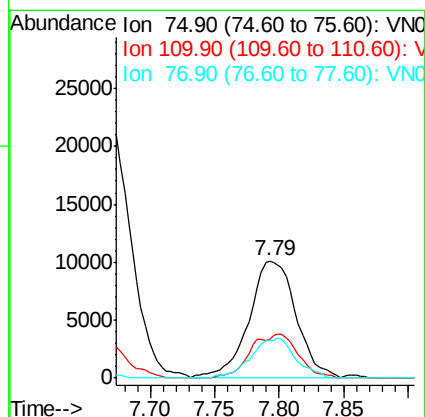
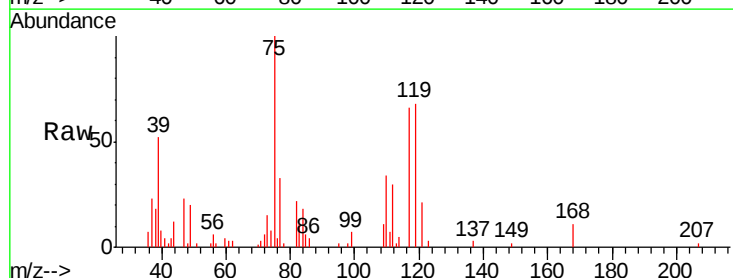
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

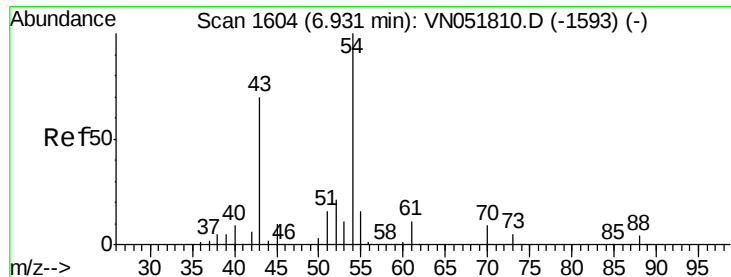
Tgt Ion: 113 Resp: 151766
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.6 123.8
 192 21.0 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 1.77 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Tgt Ion: 75 Resp: 25744
 Ion Ratio Lower Upper
 75 100
 110 37.8 18.1 54.4
 77 32.2 24.8 37.2

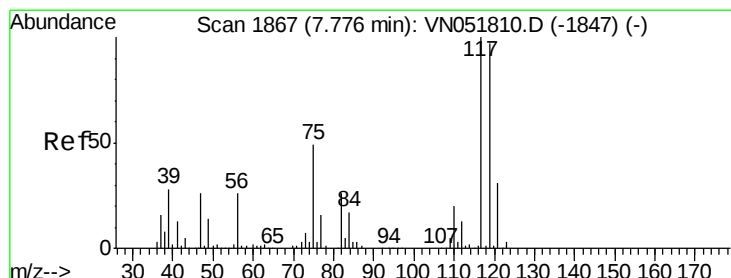
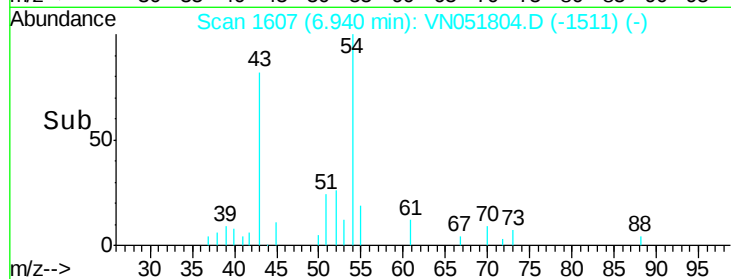
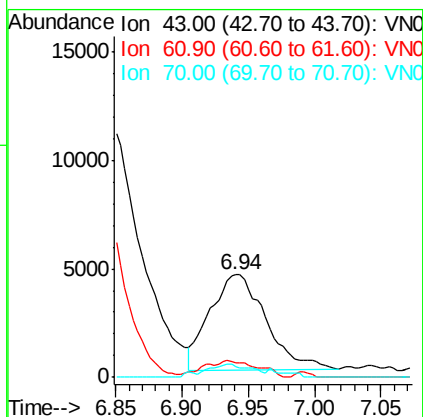
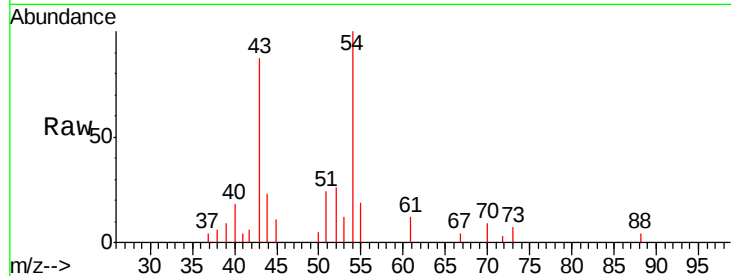




#37
Ethyl Acetate
Concen: 1.55 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

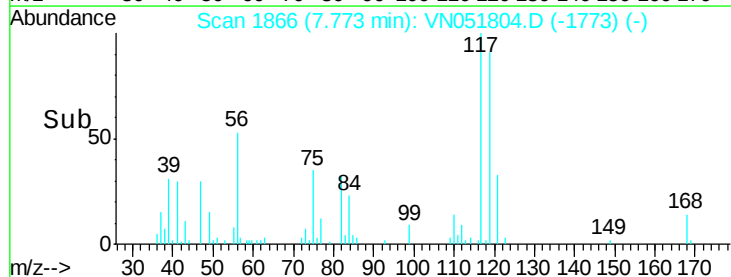
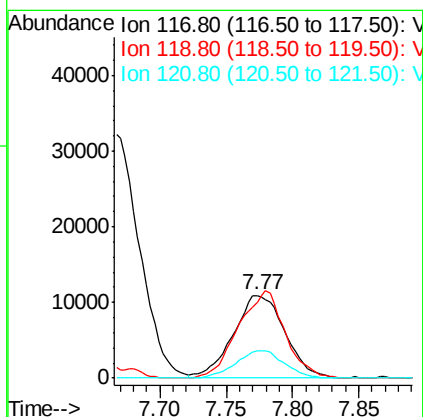
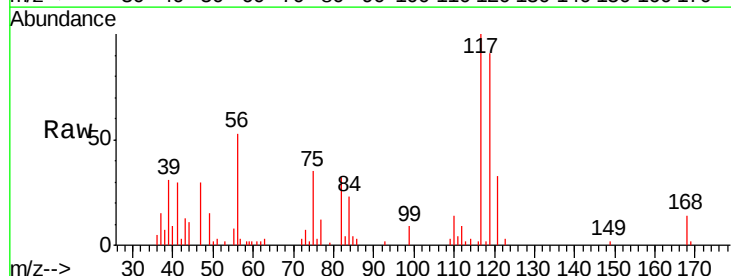
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

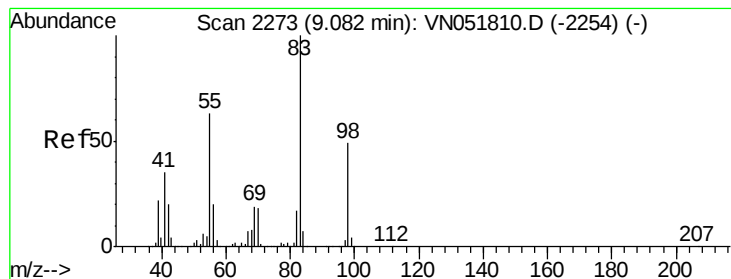
Tgt Ion: 43 Resp: 12959
Ion Ratio Lower Upper
43 100
61 17.0 12.0 18.0
70 8.1 8.6 13.0#



#38
Carbon Tetrachloride
Concen: 2.02 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Tgt Ion: 117 Resp: 29630
Ion Ratio Lower Upper
117 100
119 91.2 76.3 114.5
121 33.3 24.6 36.8





#39

Methylcyclohexane

Concen: 1.98 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

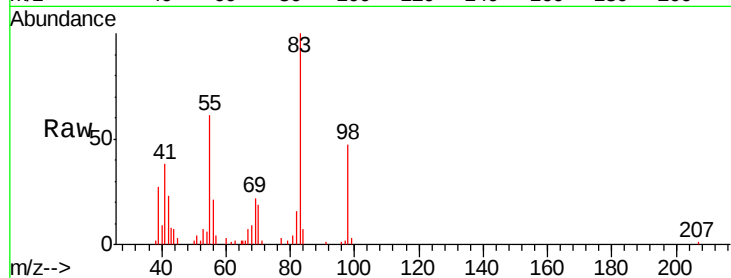
Tgt Ion: 83 Resp: 31183

Ion Ratio Lower Upper

83 100

55 61.2 61.0 91.4

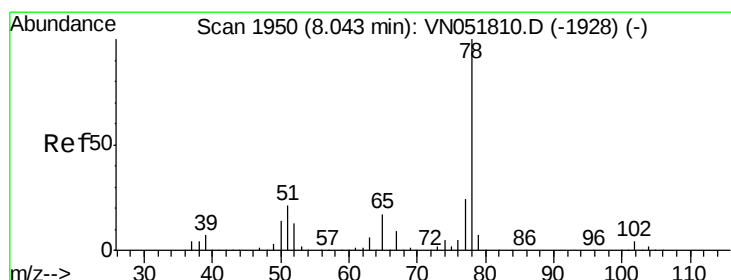
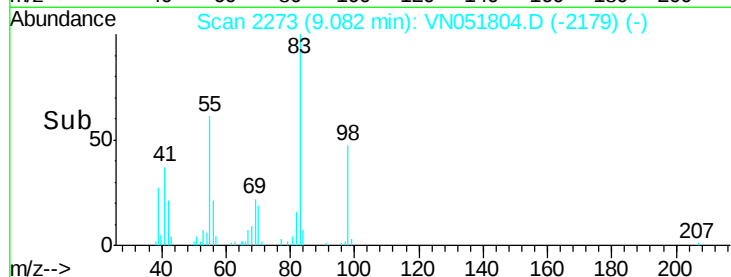
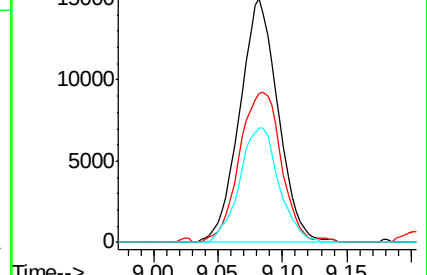
98 46.8 37.5 56.3



Abundance Ion 83.00 (82.70 to 83.70): VN051810.D (-2254) (-)

Ion 55.00 (54.70 to 55.70): VN051810.D (-2254) (-)

Ion 98.00 (97.70 to 98.70): VN051810.D (-2254) (-)



#40

Benzene

Concen: 1.73 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051804.D

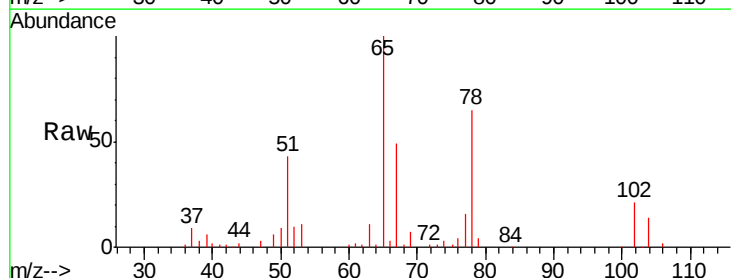
Acq: 11 Oct 2018 9:11

Tgt Ion: 78 Resp: 75805

Ion Ratio Lower Upper

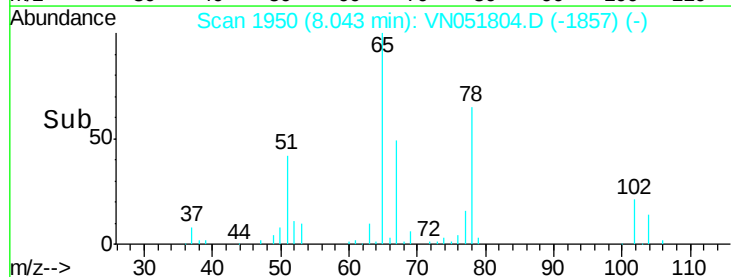
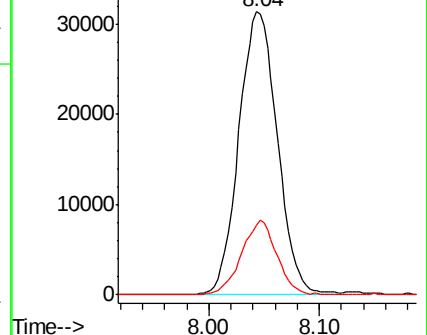
78 100

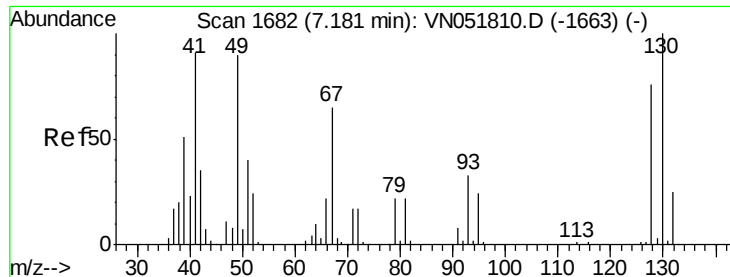
77 24.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN051810.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN051810.D (-1928) (-)





#41

Methacrylonitrile

Concen: 1.23 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 5551

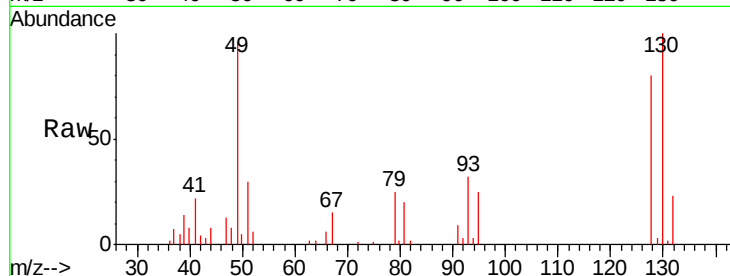
Ion Ratio Lower Upper

41 100

39 73.9 45.4 68.0#

67 121.7 70.6 106.0#

52 33.6 27.1 40.7

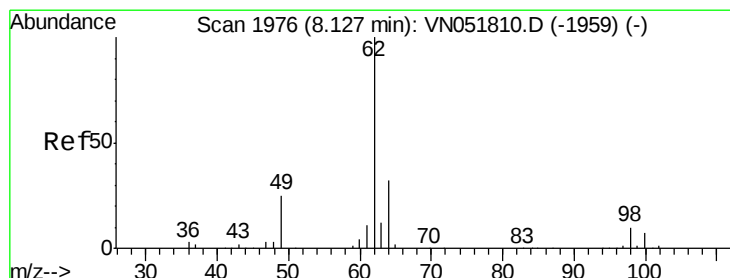
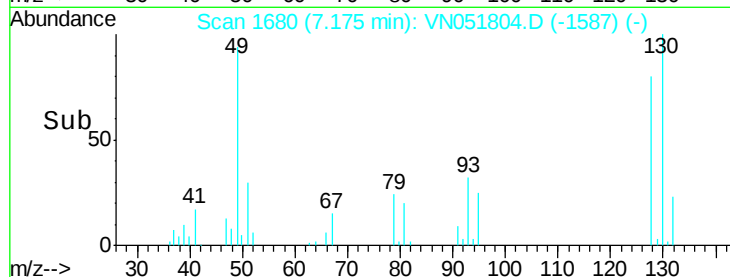
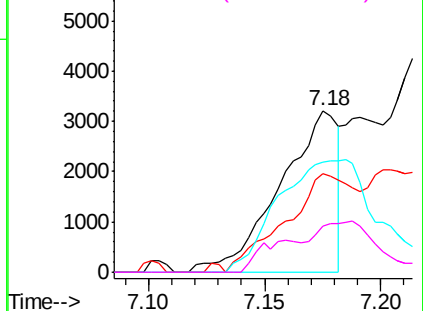


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 1.96 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN051804.D

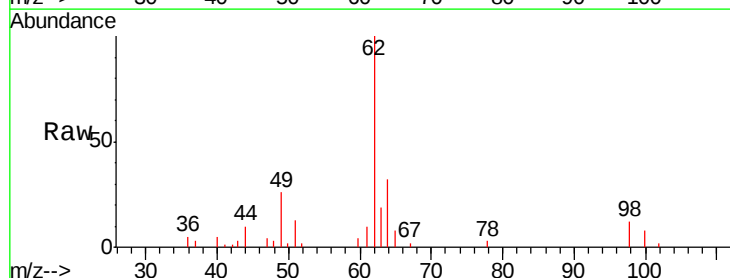
Acq: 11 Oct 2018 9:11

Tgt Ion: 62 Resp: 25735

Ion Ratio Lower Upper

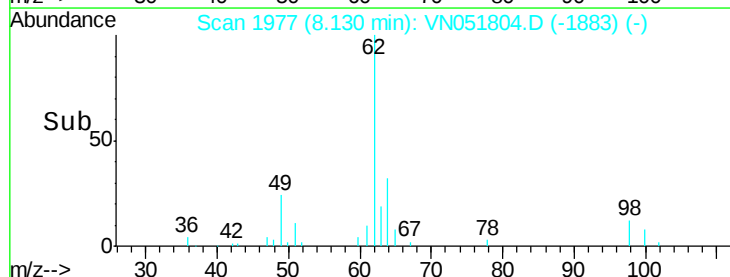
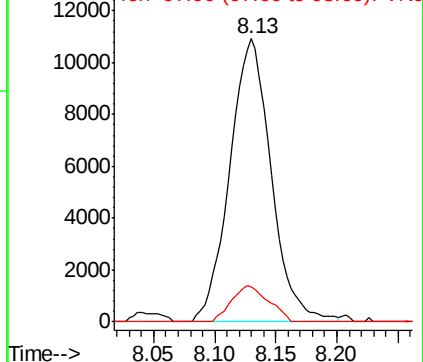
62 100

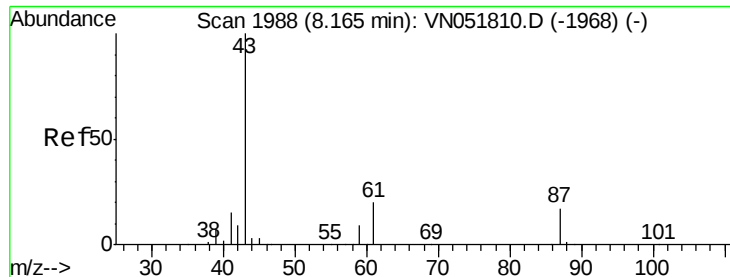
98 11.3 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 1.40 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

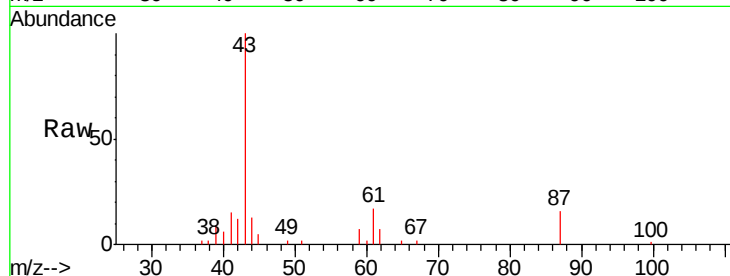
Tgt Ion: 43 Resp: 20158

Ion Ratio Lower Upper

43 100

61 22.7 17.5 26.3

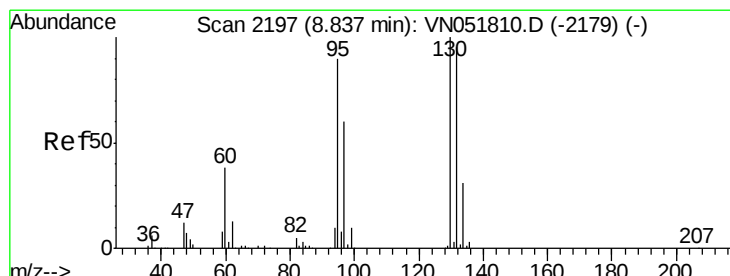
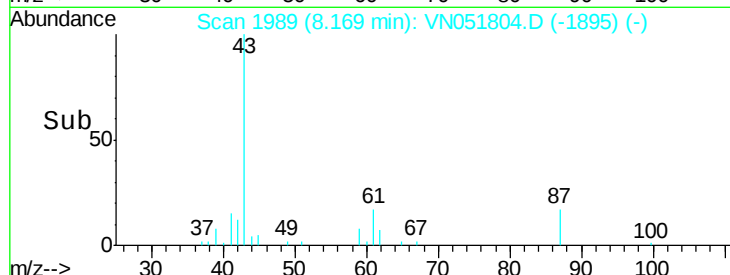
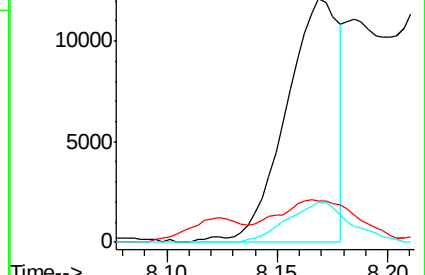
87 19.6 11.3 16.9#



Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN051810.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN051810.D (-1968) (-)



#44

Trichloroethene

Concen: 2.04 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051804.D

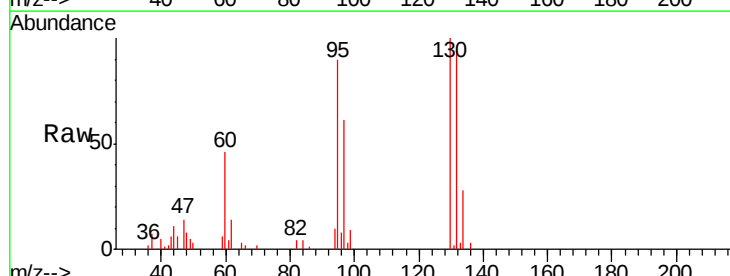
Acq: 11 Oct 2018 9:11

Tgt Ion: 130 Resp: 23635

Ion Ratio Lower Upper

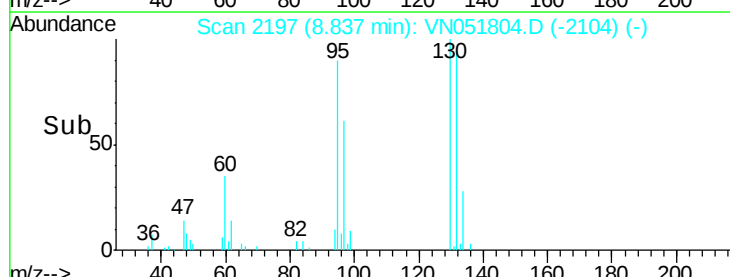
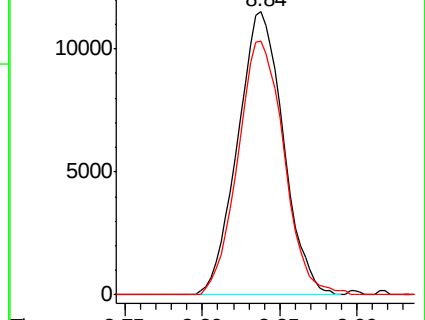
130 100

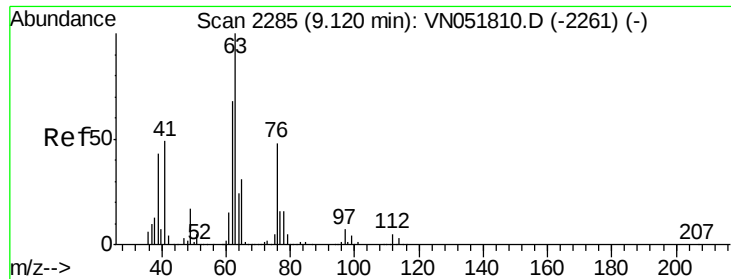
95 89.6 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN051810.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051810.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 1.56 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

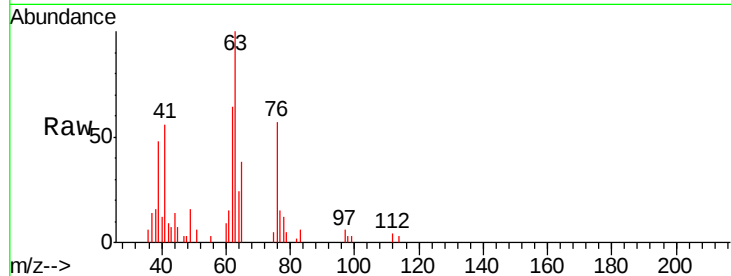
VSTDIC020

Tgt Ion: 63 Resp: 17990

Ion Ratio Lower Upper

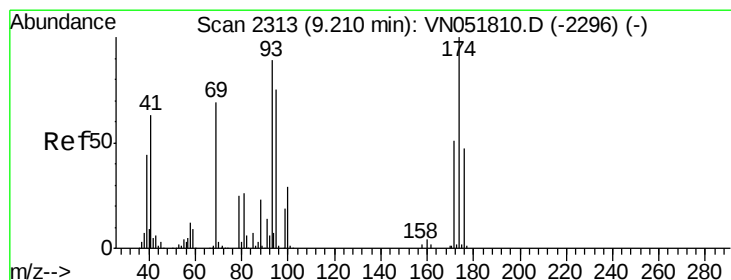
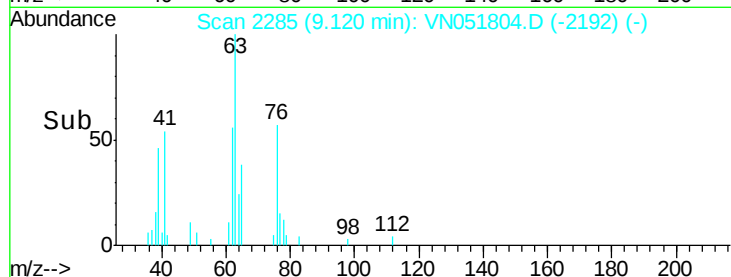
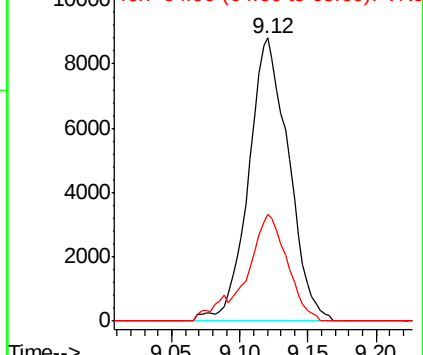
63 100

65 37.7 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 2.10 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

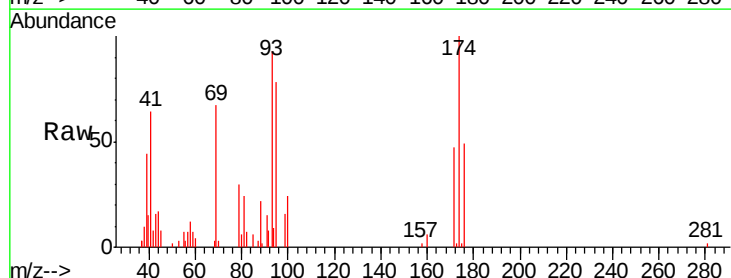
Tgt Ion: 93 Resp: 14191

Ion Ratio Lower Upper

93 100

95 80.3 66.7 100.1

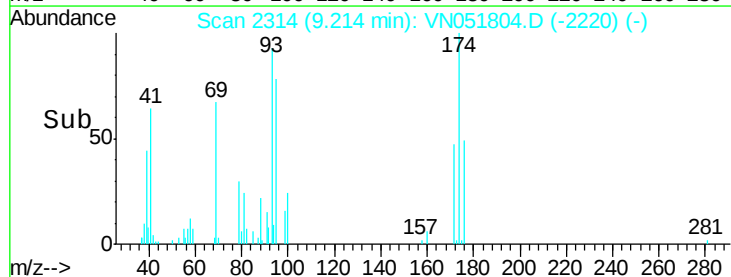
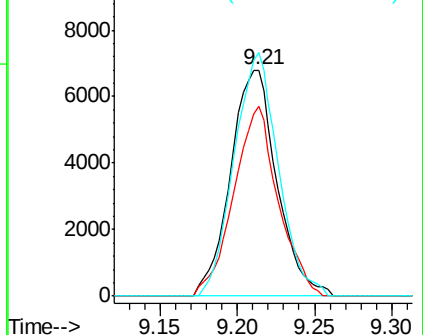
174 102.5 89.8 134.6

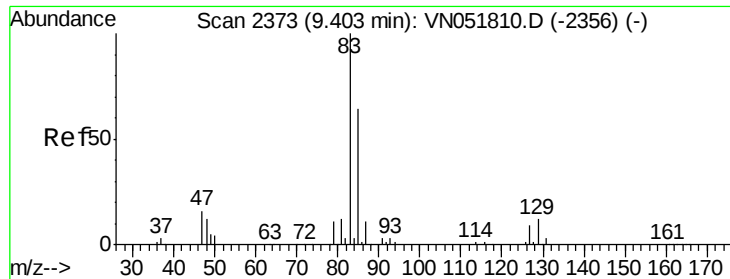


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.88 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

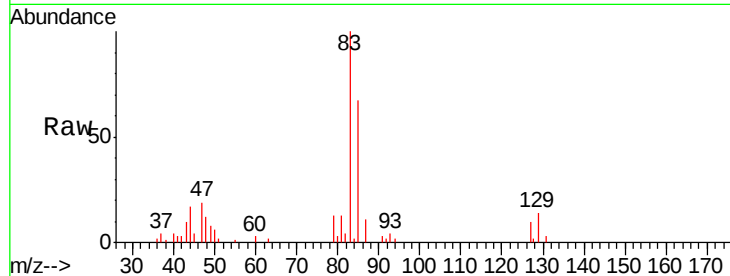
Tgt Ion: 83 Resp: 26662

Ion Ratio Lower Upper

83 100

85 67.0 52.6 78.8

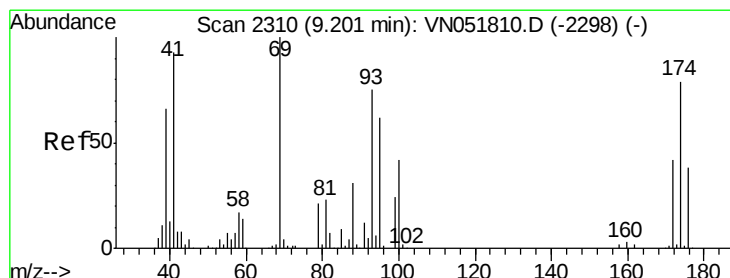
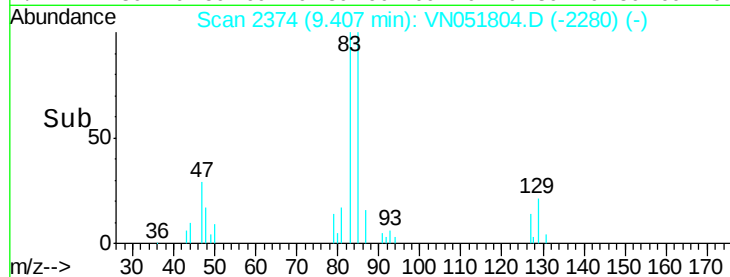
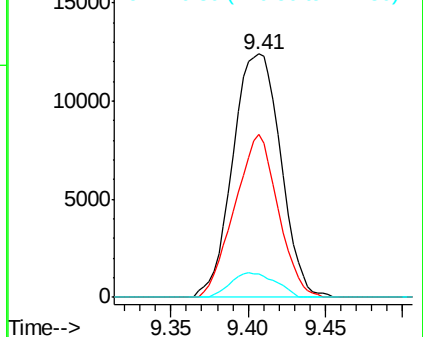
127 9.7 7.2 10.8



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): VN0



#48

Methyl methacrylate

Concen: 1.57 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

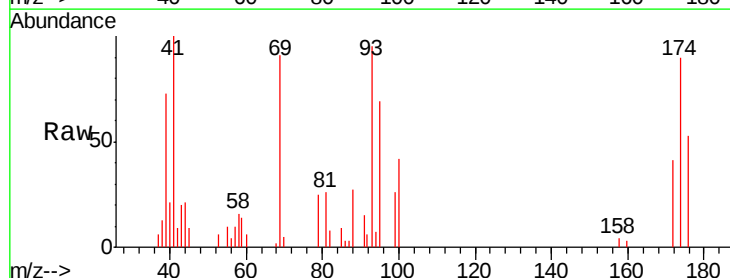
Tgt Ion: 41 Resp: 11524

Ion Ratio Lower Upper

41 100

69 108.0 74.7 112.1

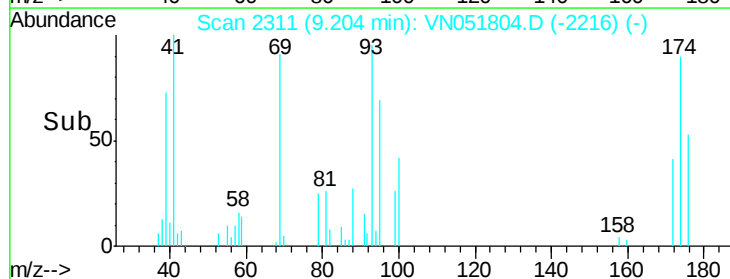
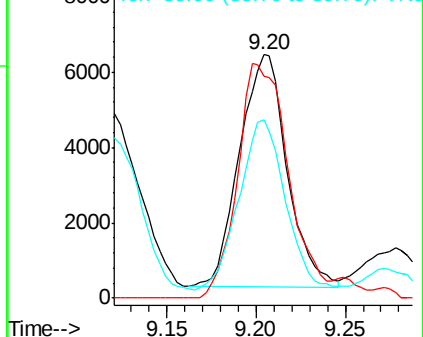
39 74.8 42.2 63.2#

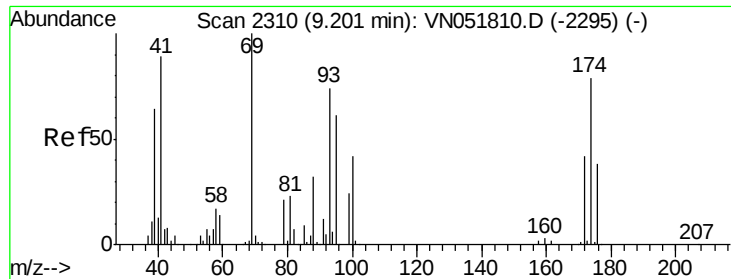


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

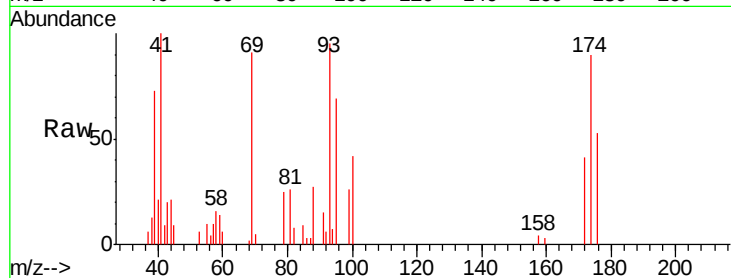




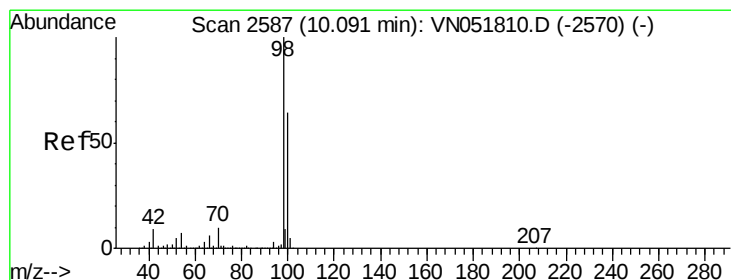
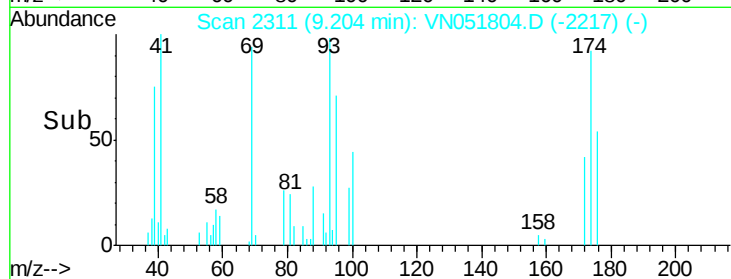
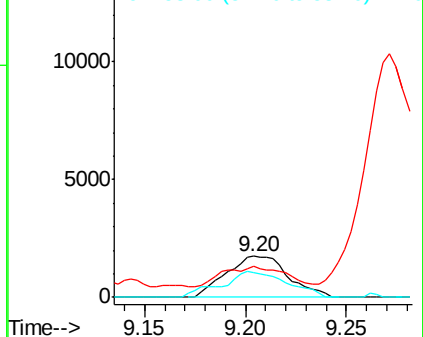
#49
1,4-Dioxane
Concen: 37.56 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 88 Resp: 3749
Ion Ratio Lower Upper
88 100
43 50.1 25.9 38.9#
58 66.1 55.0 82.4

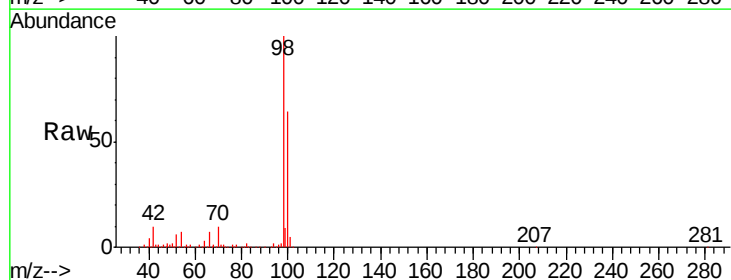


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

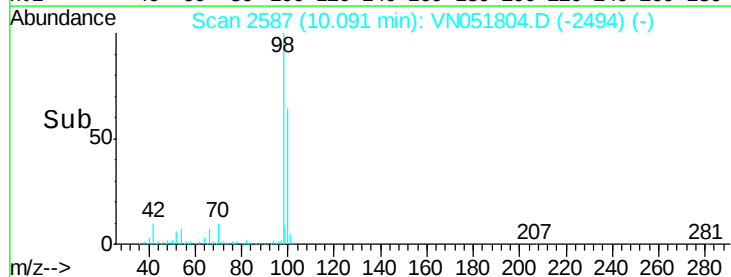
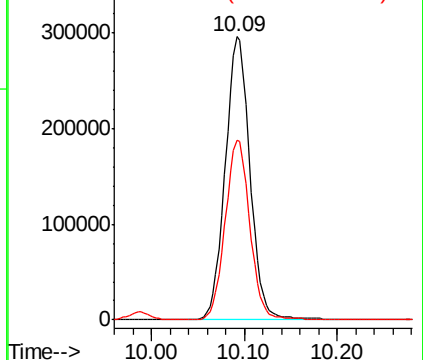


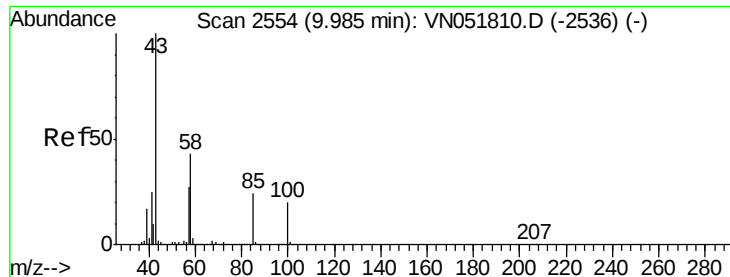
#50
Toluene-d8
Concen: 37.56 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Tgt Ion: 98 Resp: 547787
Ion Ratio Lower Upper
98 100
100 63.4 51.5 77.3



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





#51

4-Methyl-2-Pentanone

Concen: 7.90 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

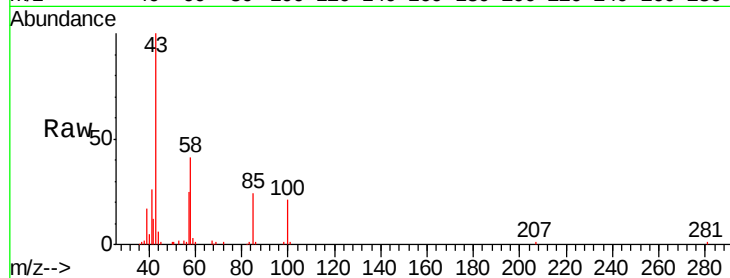
VSTDIC020

Tgt Ion: 43 Resp: 67705

Ion Ratio Lower Upper

43 100

58 43.0 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN051810.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051810.D (-2536) (-)

9.99

40000

30000

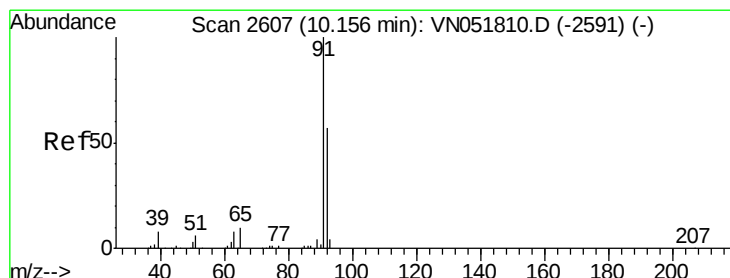
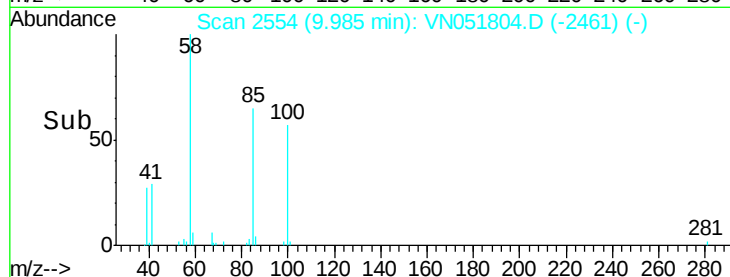
20000

10000

0

9.90 9.95 10.00 10.05

Time-->



#52

Toluene

Concen: 1.96 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN051804.D

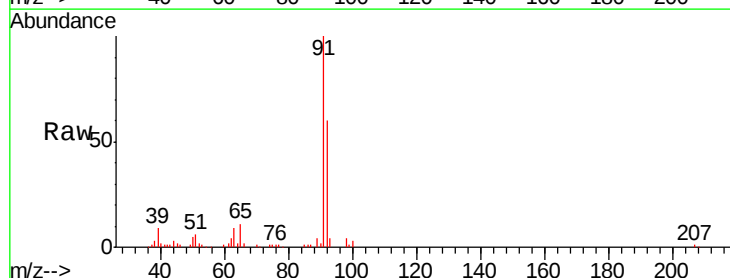
Acq: 11 Oct 2018 9:11

Tgt Ion: 92 Resp: 50894

Ion Ratio Lower Upper

92 100

91 169.6 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN051810.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN051810.D (-2591) (-)

10.16

50000

40000

30000

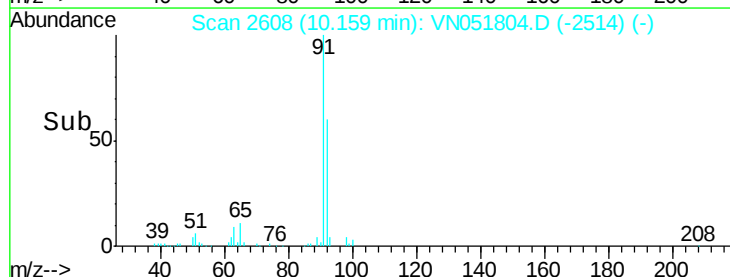
20000

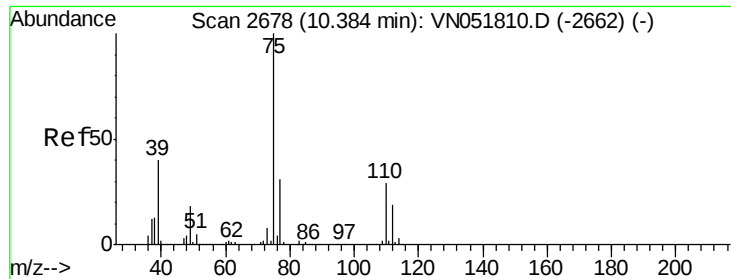
10000

0

10.10 10.15 10.20

Time-->

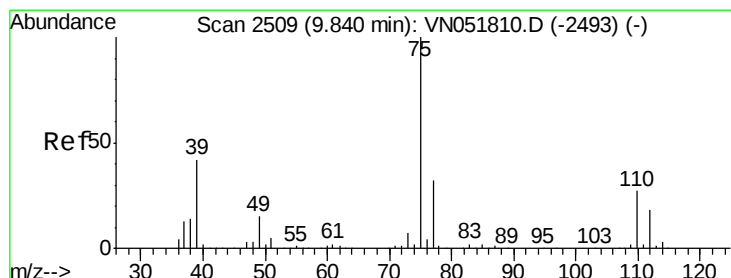
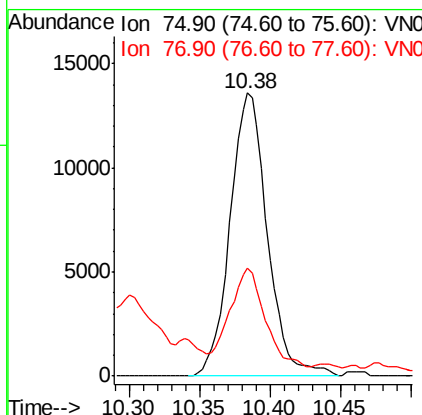
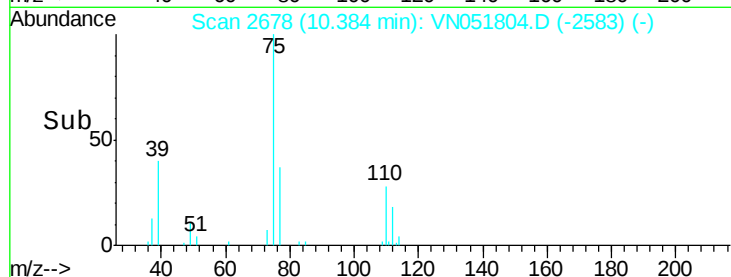
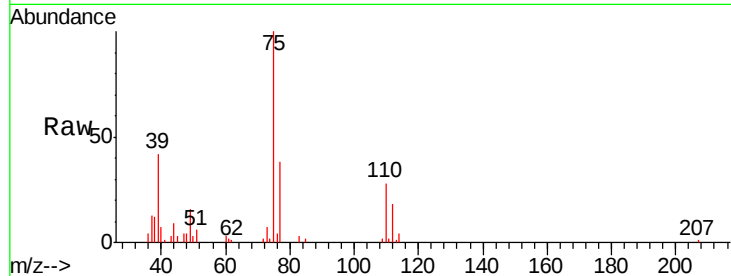




#53
 t-1,3-Dichloropropene
 Concen: 1.78 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

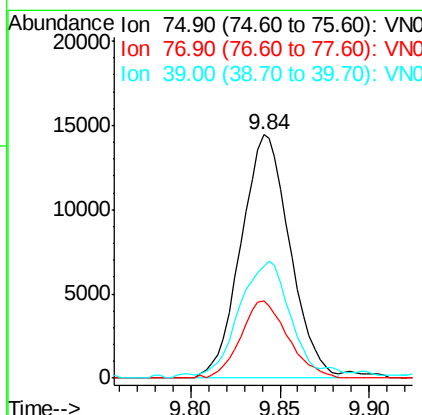
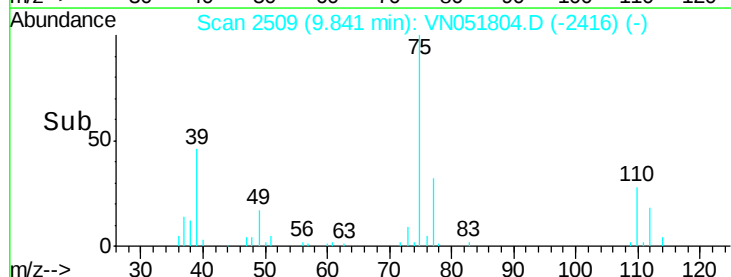
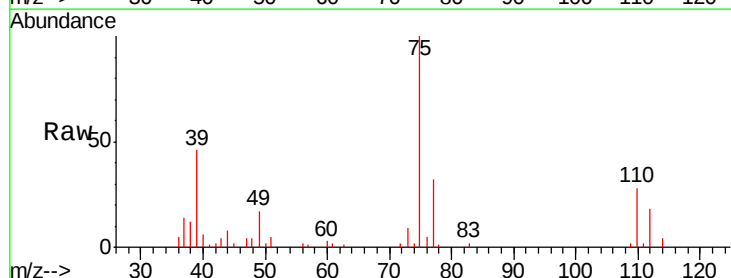
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

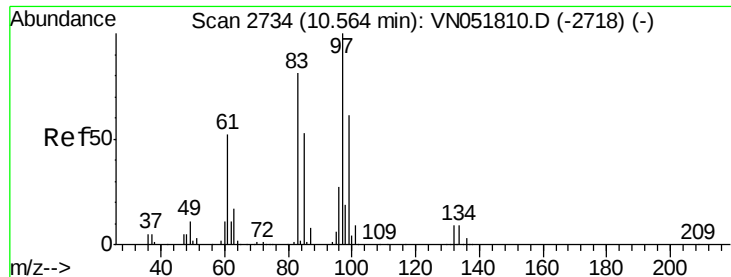
Tgt Ion: 75 Resp: 25123
 Ion Ratio Lower Upper
 75 100
 77 34.7 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 1.71 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Tgt Ion: 75 Resp: 27657
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2
 39 44.5 33.0 49.4

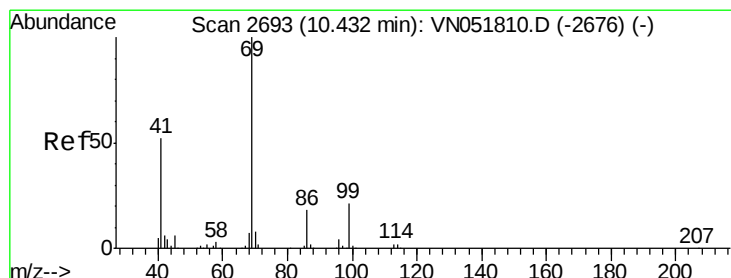
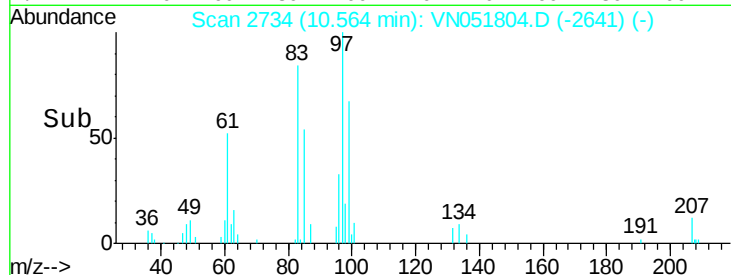
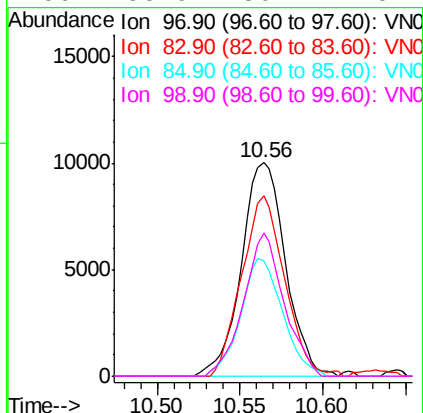
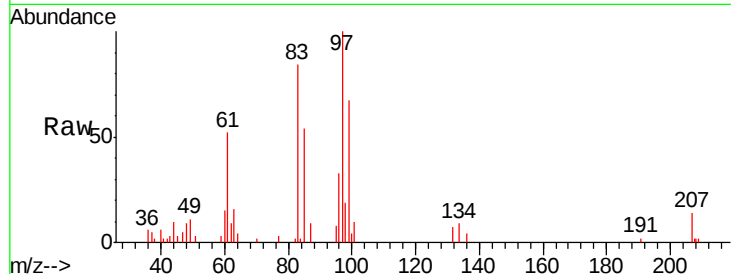




#55
 1,1,2-Trichloroethane
 Concen: 1.92 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

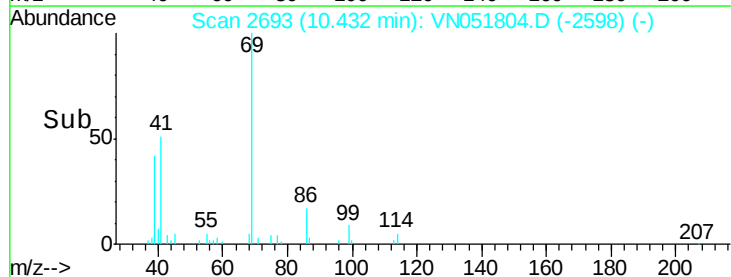
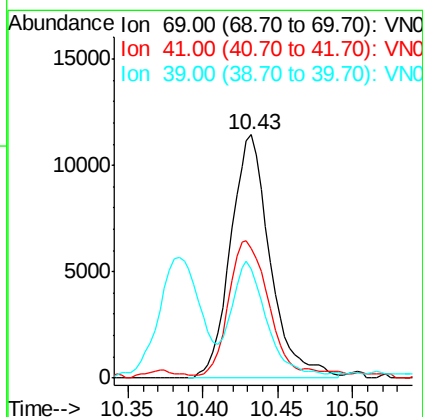
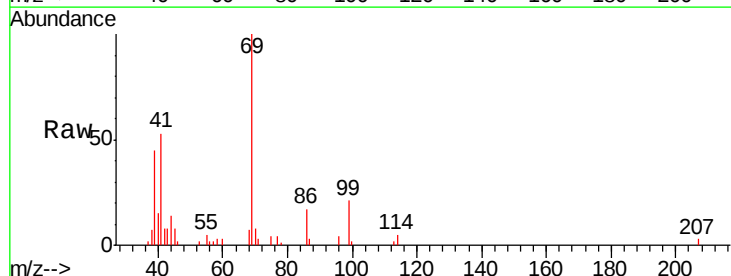
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

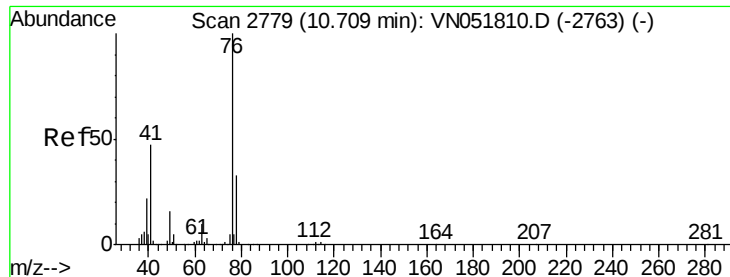
Tgt Ion:	97	Resp:	18535
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.7	104.5
85	54.1	44.5	66.7
99	66.9	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 1.93 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Tgt Ion:	69	Resp:	21059
Ion	Ratio	Lower	Upper
69	100		
41	54.5	48.3	72.5
39	40.8	24.0	36.0#





#57

1,3-Dichloropropane

Concen: 1.70 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

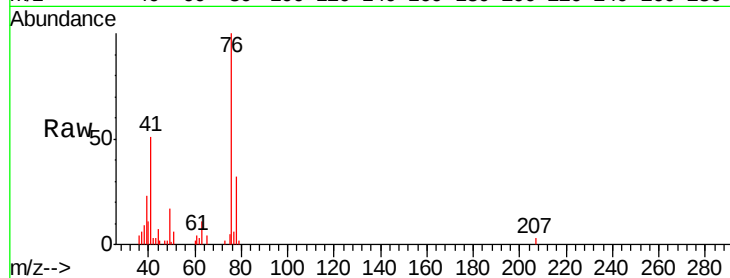
VSTDIC020

Tgt Ion: 76 Resp: 27050

Ion Ratio Lower Upper

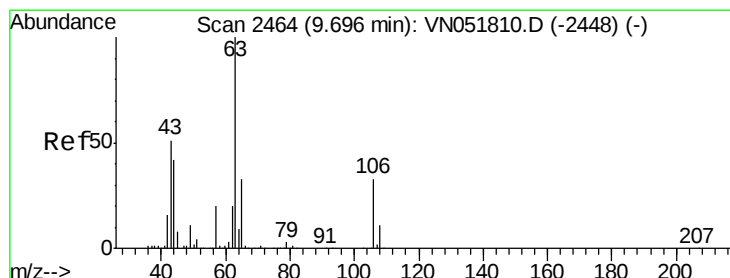
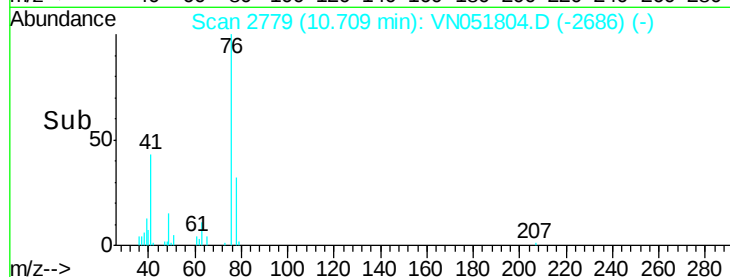
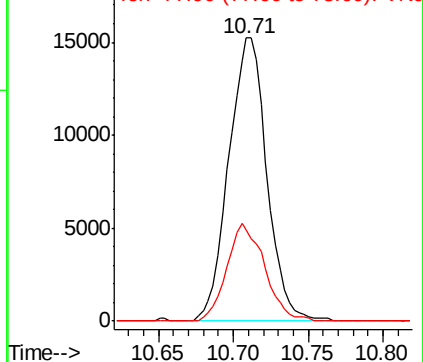
76 100

78 34.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 75.36 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051804.D

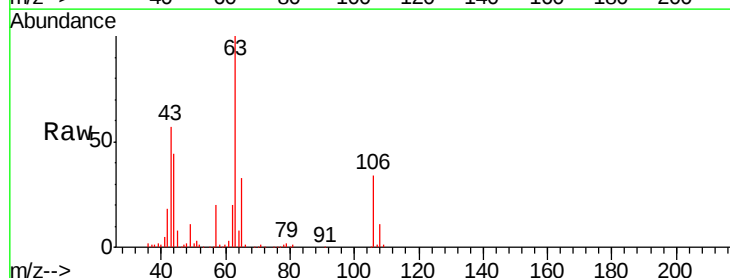
Acq: 11 Oct 2018 9:11

Tgt Ion: 63 Resp: 351965

Ion Ratio Lower Upper

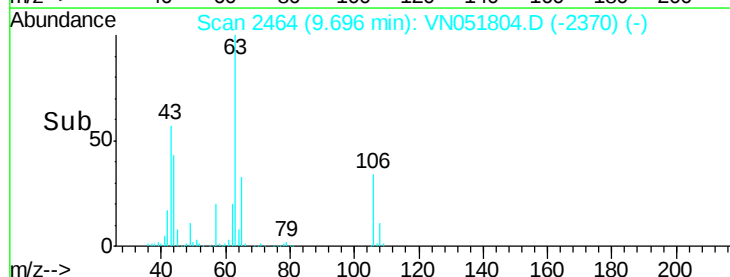
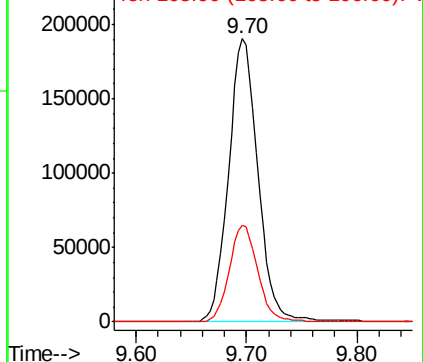
63 100

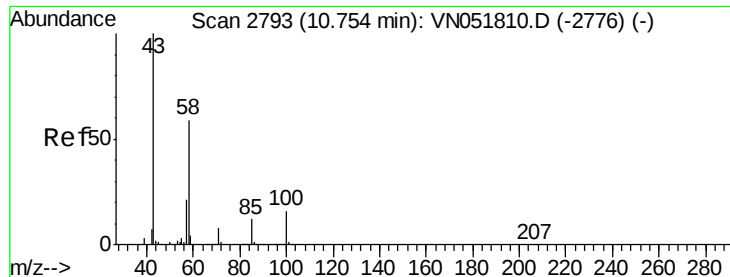
106 33.1 21.9 32.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

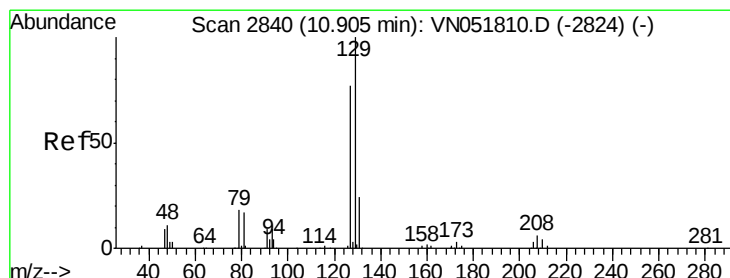
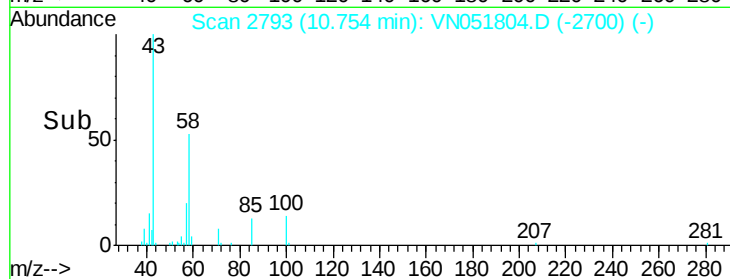
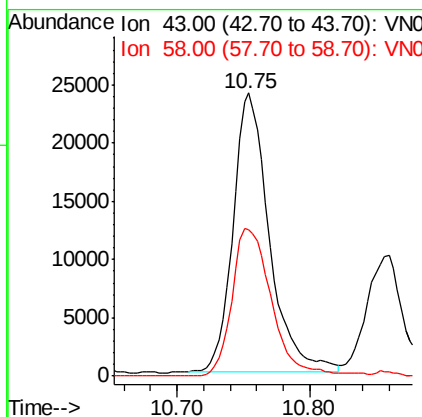
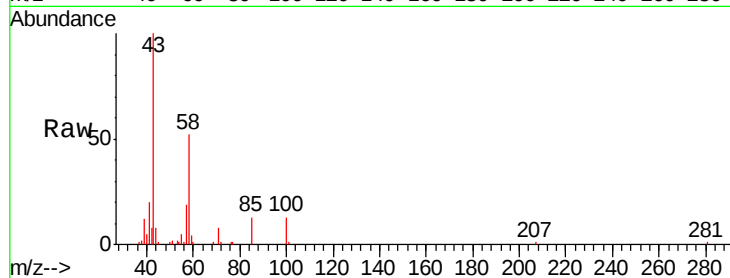




#59
2-Hexanone
Concen: 7.90 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

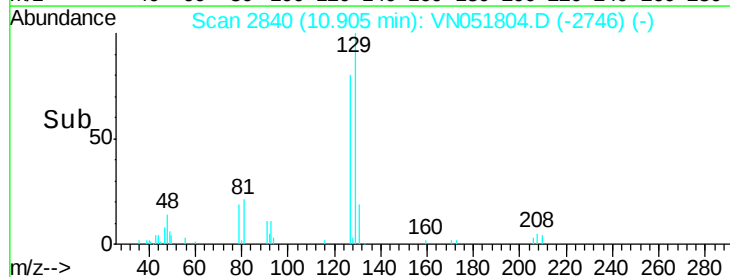
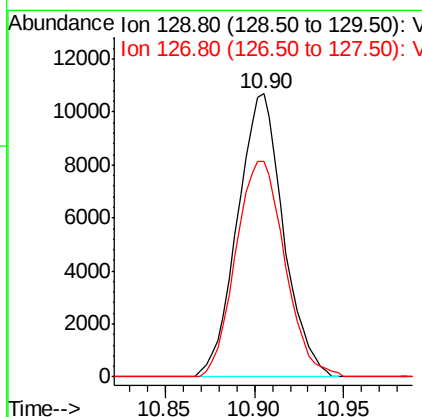
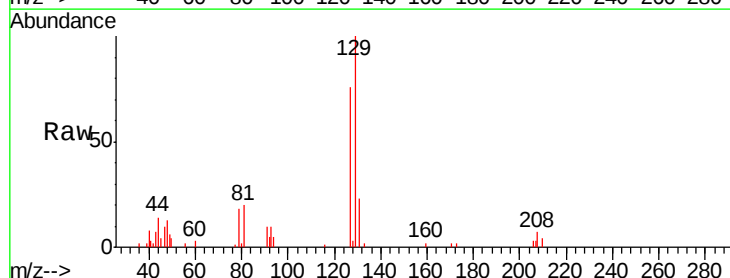
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

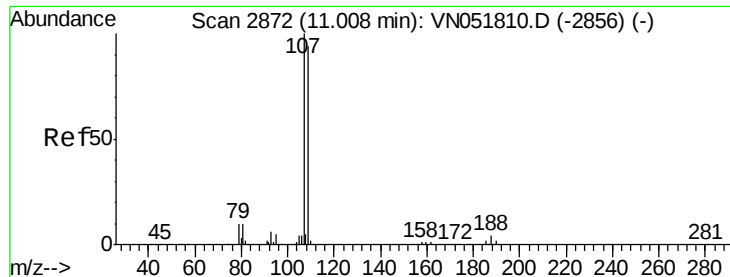
Tgt Ion: 43 Resp: 45069
Ion Ratio Lower Upper
43 100
58 58.0 28.3 85.0



#60
Dibromochloromethane
Concen: 1.78 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Tgt Ion: 129 Resp: 19247
Ion Ratio Lower Upper
129 100
127 81.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 2.05 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

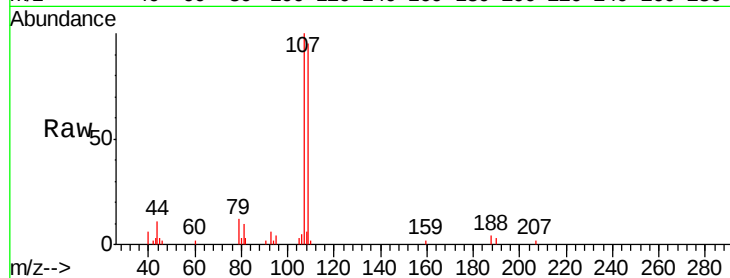
VSTDIC020

Tgt Ion: 107 Resp: 19107

Ion Ratio Lower Upper

107 100

109 90.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

10000

8000

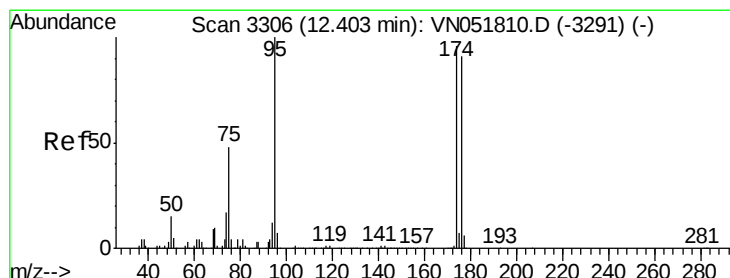
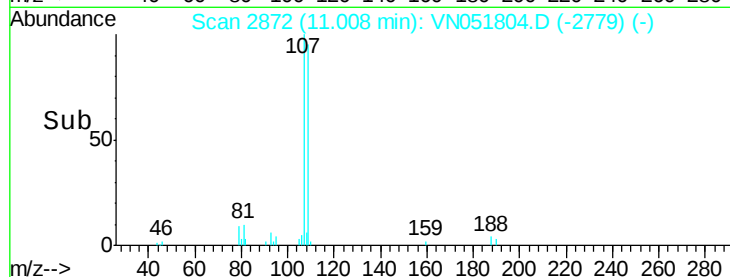
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 2.05 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

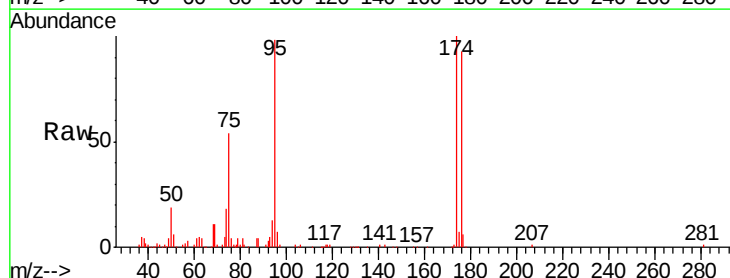
Tgt Ion: 95 Resp: 157421

Ion Ratio Lower Upper

95 100

174 97.1 0.0 183.0

176 90.6 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

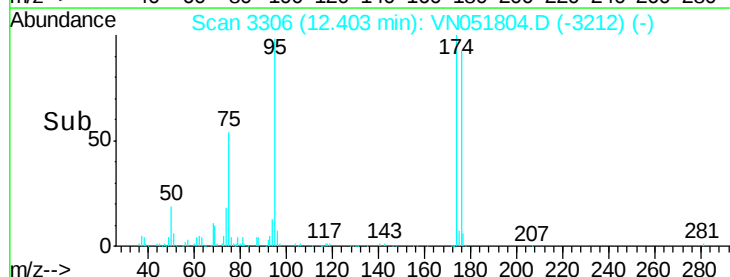
60000

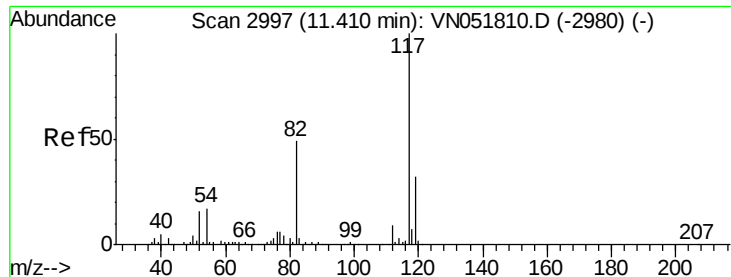
40000

20000

0

Time-->

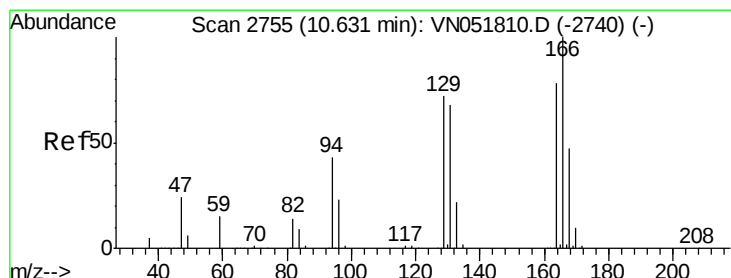
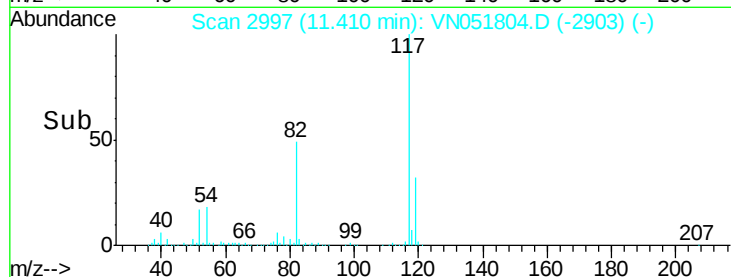
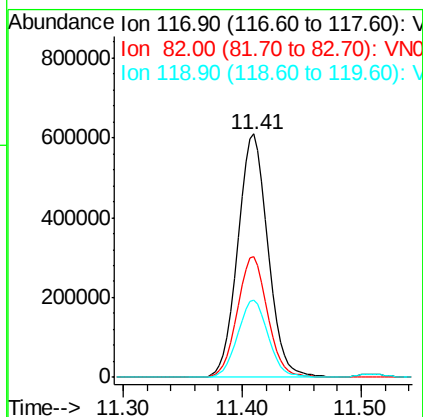
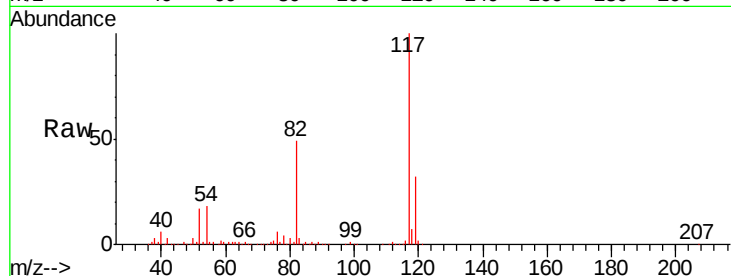




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

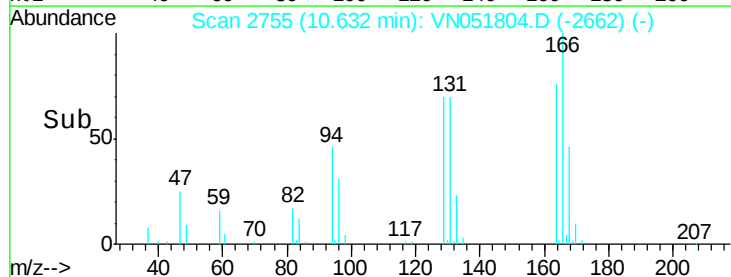
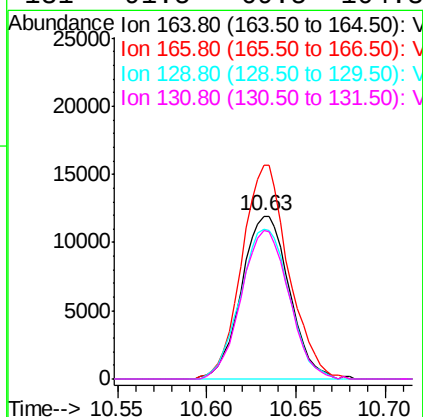
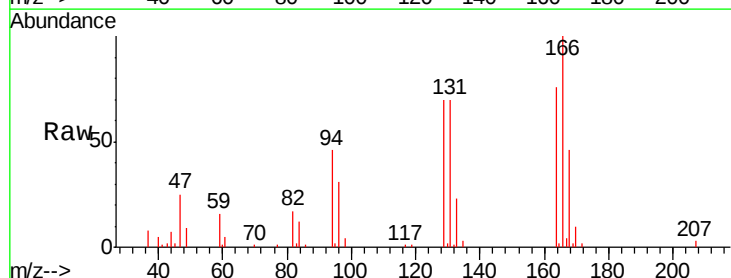
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

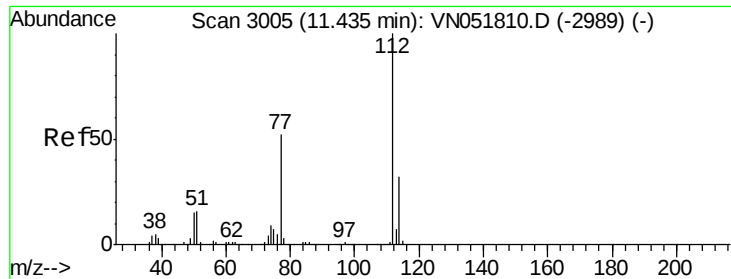
Tgt Ion:117 Resp: 1070612
Ion Ratio Lower Upper
117 100
82 49.4 42.6 64.0
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 2.20 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Tgt Ion:164 Resp: 22397
Ion Ratio Lower Upper
164 100
166 131.1 103.5 155.3
129 92.1 72.7 109.1
131 91.5 69.5 104.3





#65

Chlorobenzene

Concen: 1.96 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

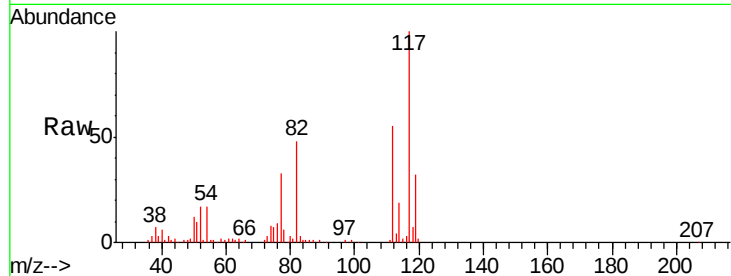
VSTDIC020

Tgt Ion:112 Resp: 54763

Ion Ratio Lower Upper

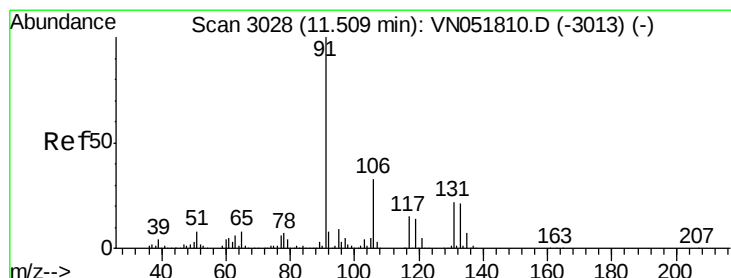
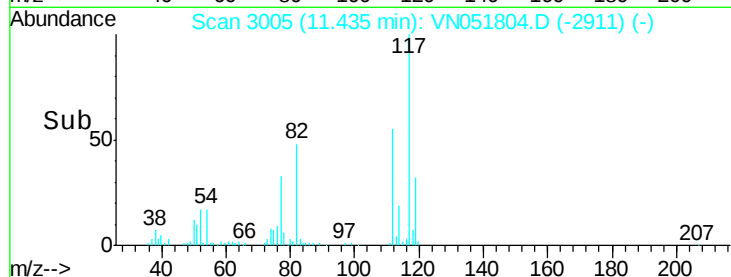
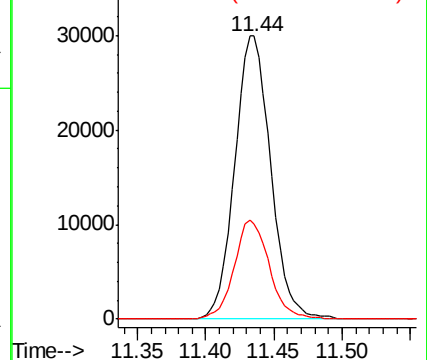
112 100

114 33.4 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 1.95 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

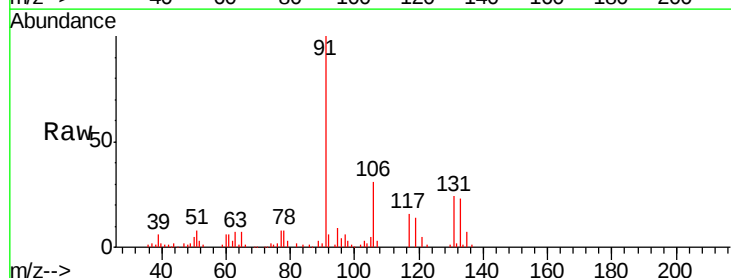
Tgt Ion:131 Resp: 19968

Ion Ratio Lower Upper

131 100

133 101.8 47.4 142.3

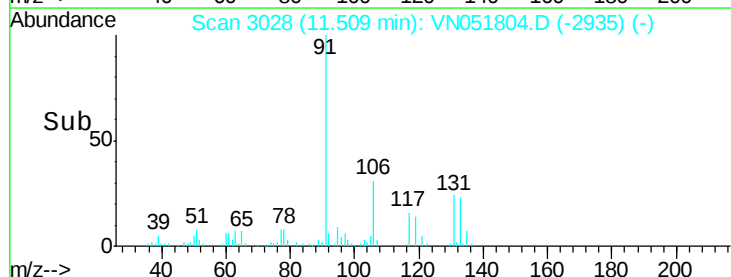
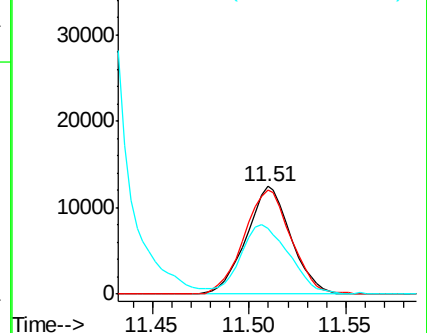
119 69.7 32.8 98.4

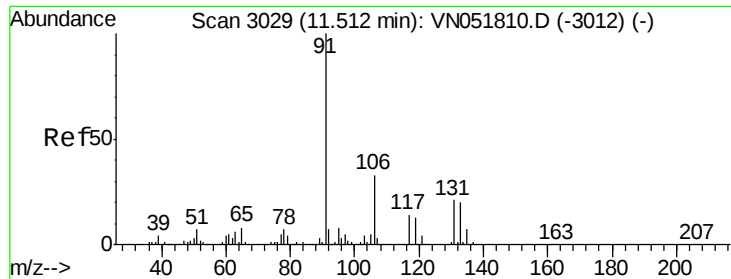


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

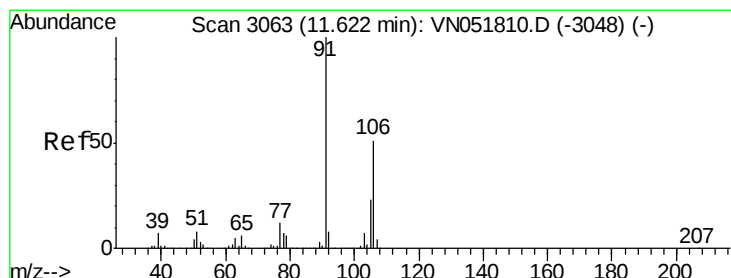
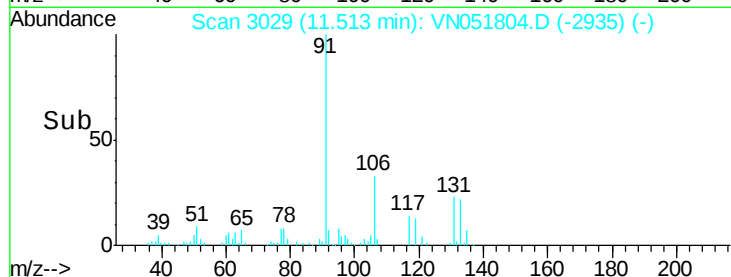
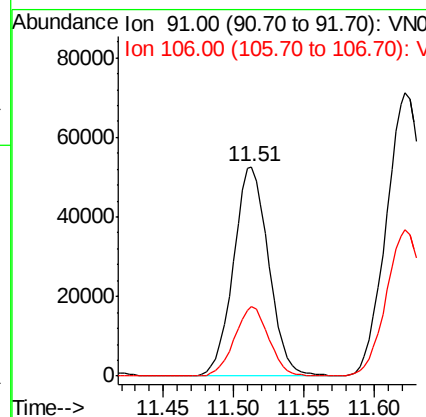
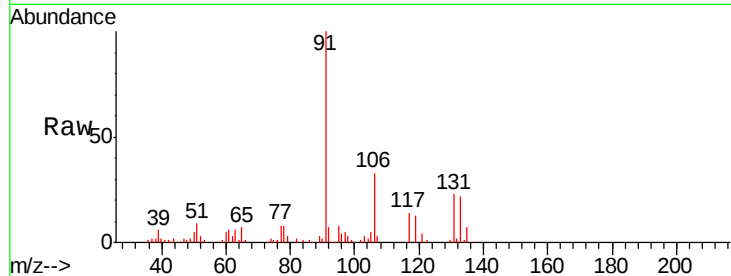




#67
Ethyl Benzene
Concen: 2.02 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

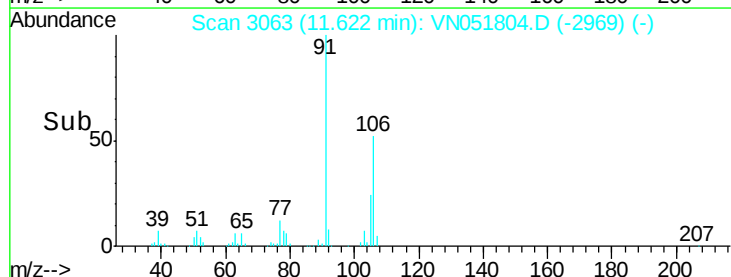
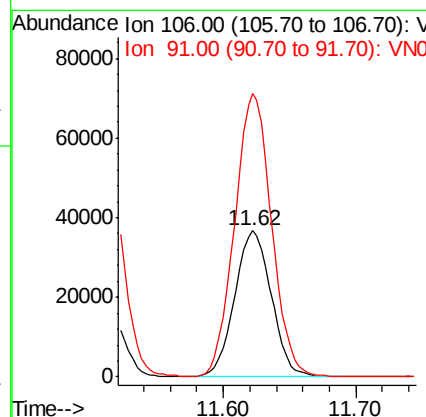
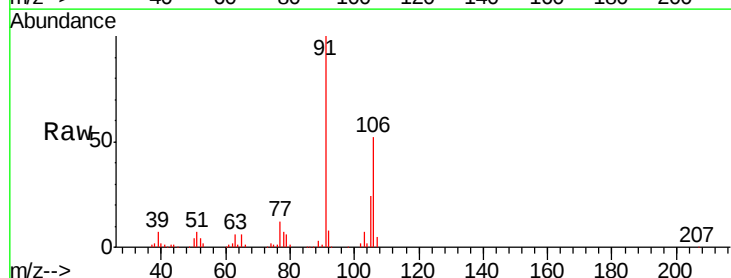
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

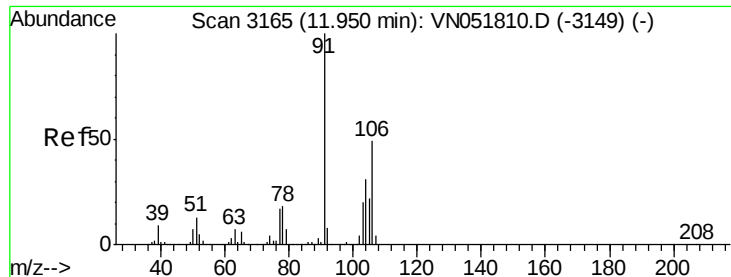
Tgt Ion: 91 Resp: 92094
Ion Ratio Lower Upper
91 100
106 33.1 25.0 37.4



#68
m/p-Xylenes
Concen: 4.08 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Tgt Ion: 106 Resp: 70370
Ion Ratio Lower Upper
106 100
91 194.4 161.0 241.6

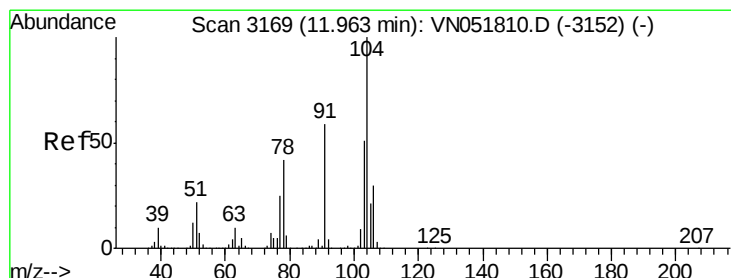
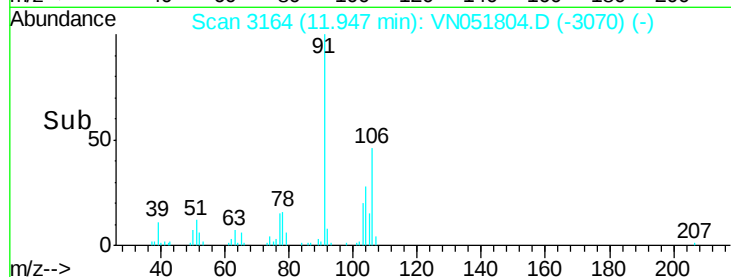
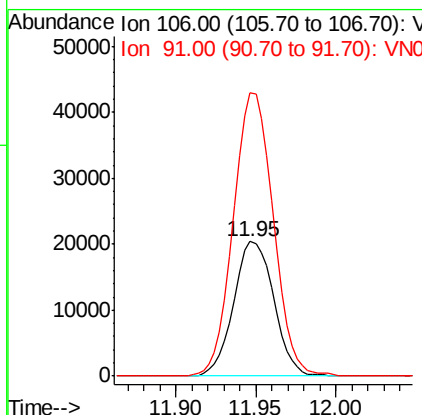
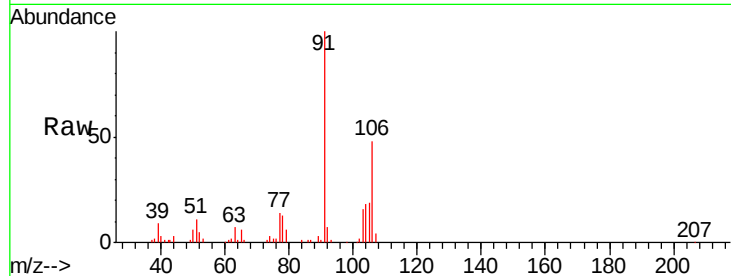




#69
o-Xylene
Concen: 2.11 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

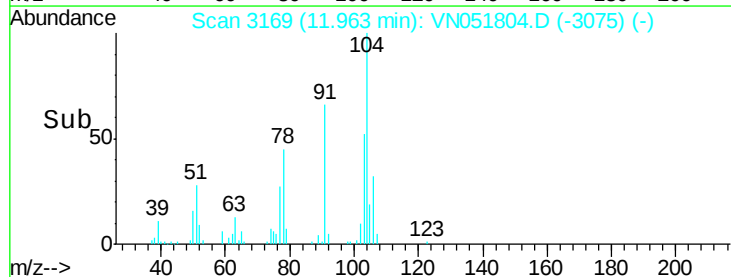
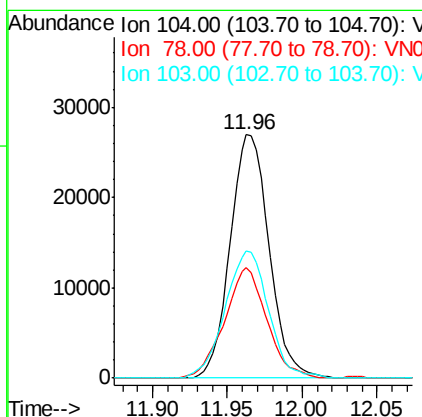
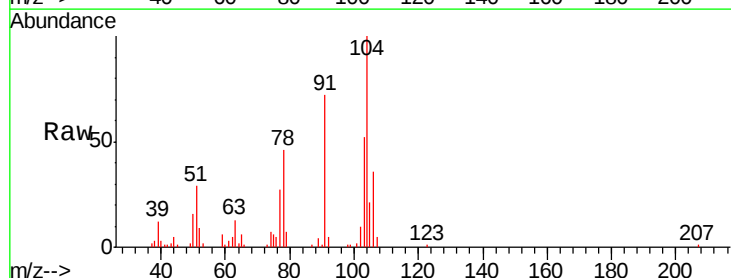
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

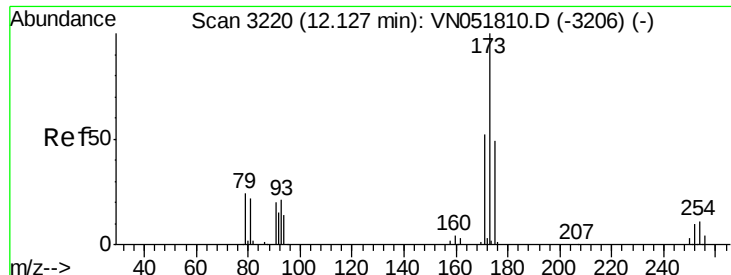
Tgt Ion:106 Resp: 35062
Ion Ratio Lower Upper
106 100
91 208.3 106.5 319.5



#70
Styrene
Concen: 1.88 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051804.D
Acq: 11 Oct 2018 9:11

Tgt Ion:104 Resp: 48837
Ion Ratio Lower Upper
104 100
78 49.3 38.2 57.4
103 58.2 44.4 66.6





#71

Bromoform

Concen: 1.64 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

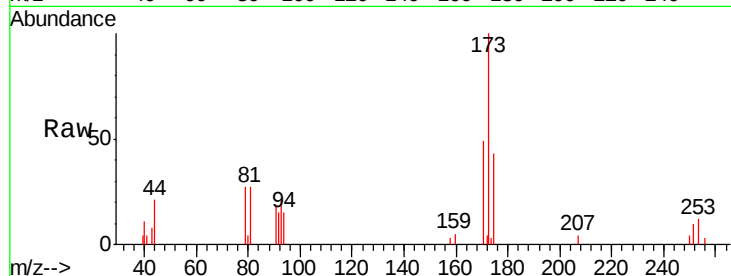
Tgt Ion:173 Resp: 11517

Ion Ratio Lower Upper

173 100

175 49.6 24.4 73.4

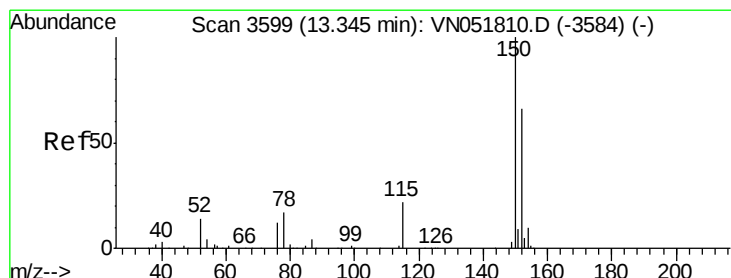
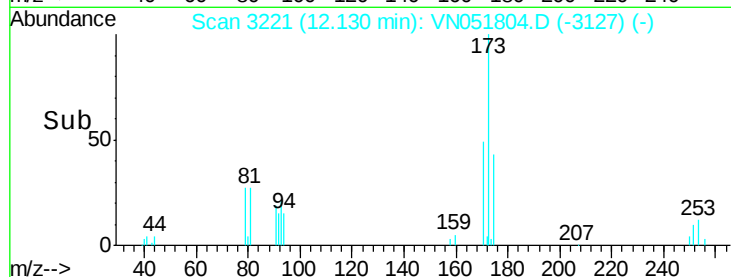
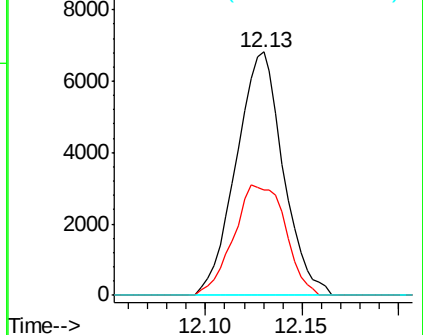
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

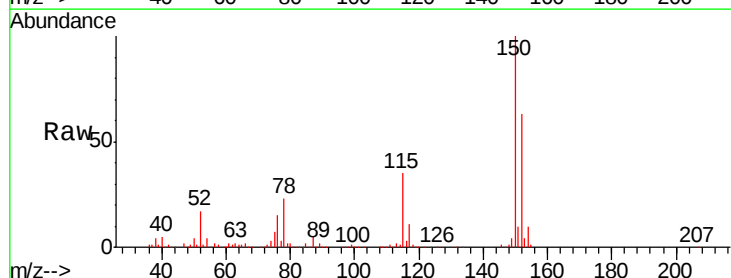
Tgt Ion:152 Resp: 388965

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

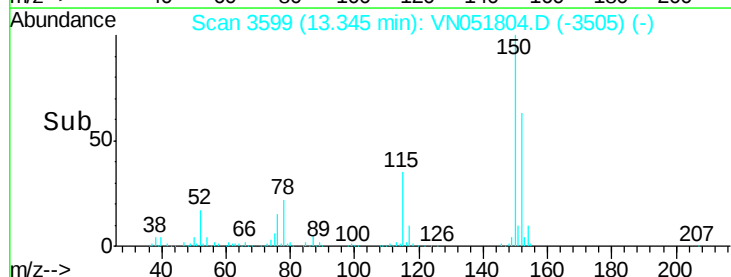
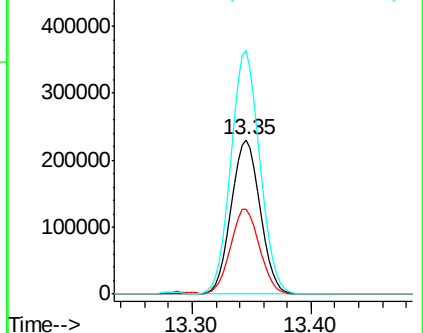
150 157.2 0.0 351.4

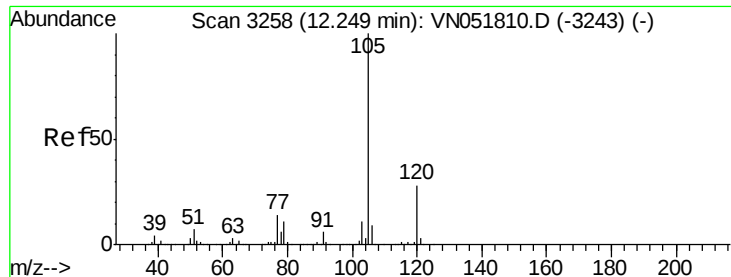


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.89 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

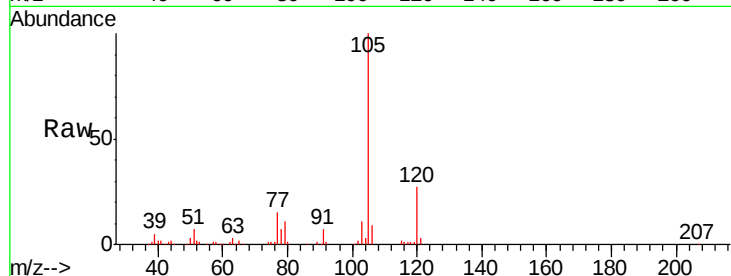
VSTDIC020

Tgt Ion:105 Resp: 93030

Ion Ratio Lower Upper

105 100

120 26.7 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

60000

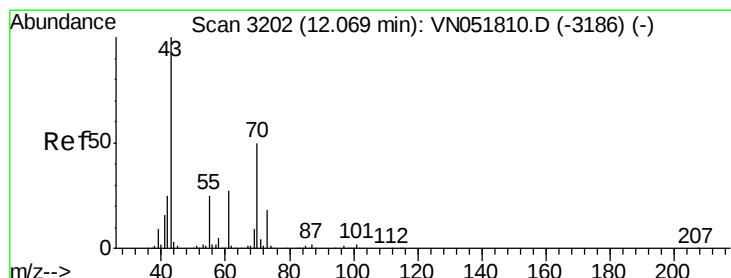
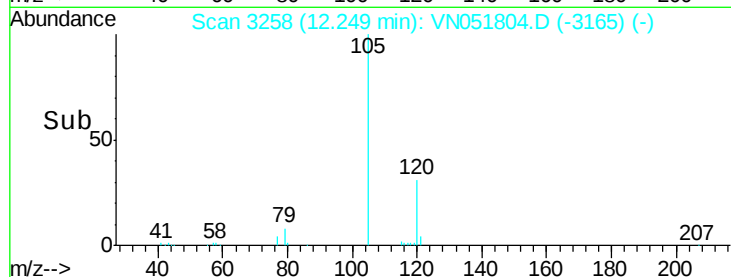
40000

20000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 2.11 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Tgt Ion: 43 Resp: 17036

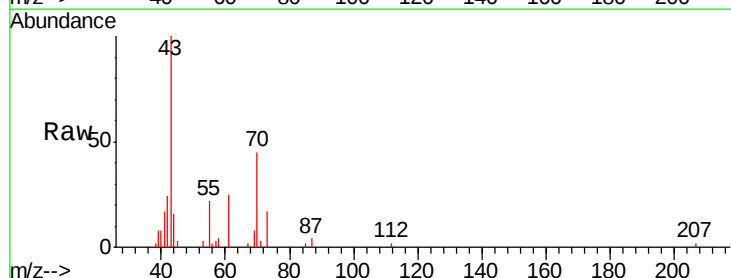
Ion Ratio Lower Upper

43 100

70 45.9 36.2 54.2

55 27.3 21.8 32.8

61 23.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

15000

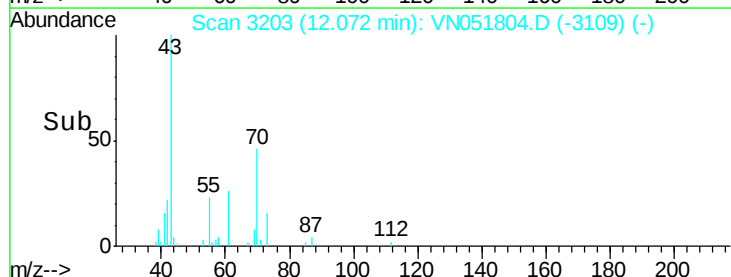
10000

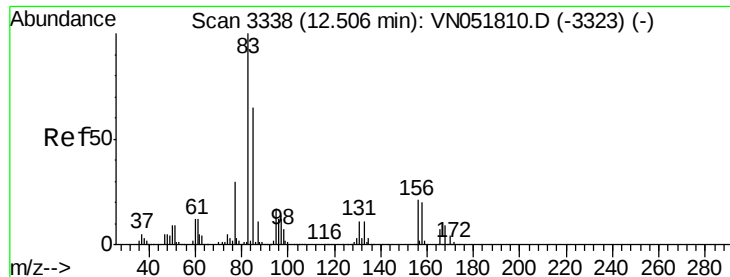
5000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 2.28 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

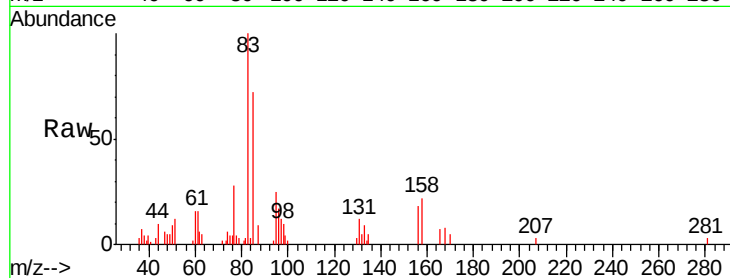
Tgt Ion: 83 Resp: 19752

Ion Ratio Lower Upper

83 100

131 11.4 5.3 15.9

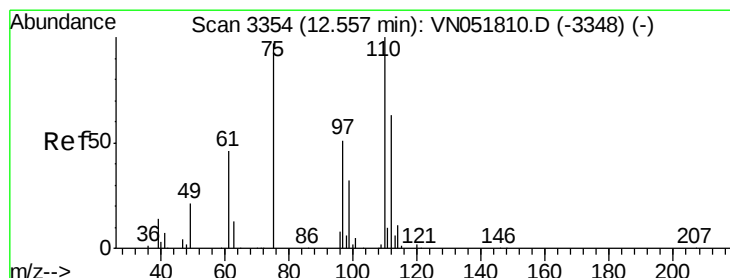
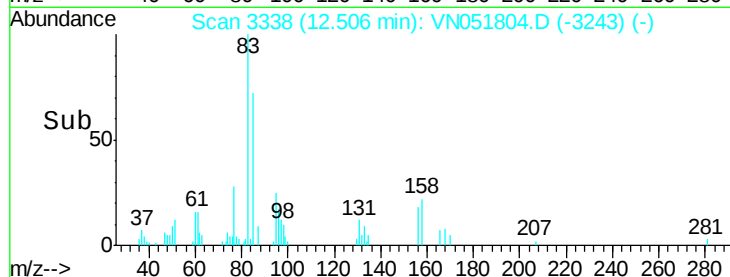
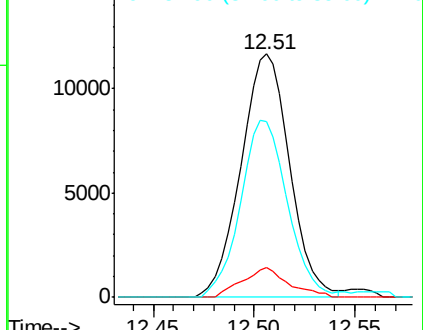
85 70.4 31.9 95.7



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: 3.39 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051804.D

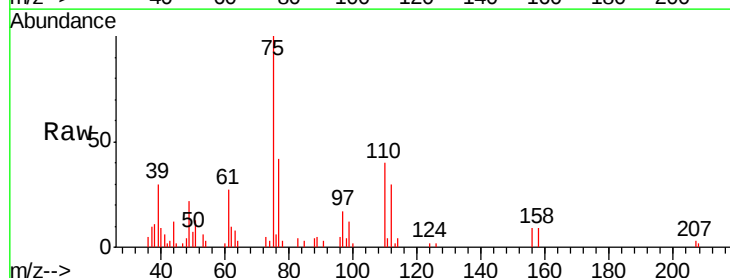
Acq: 11 Oct 2018 9:11

Tgt Ion: 75 Resp: 23089

Ion Ratio Lower Upper

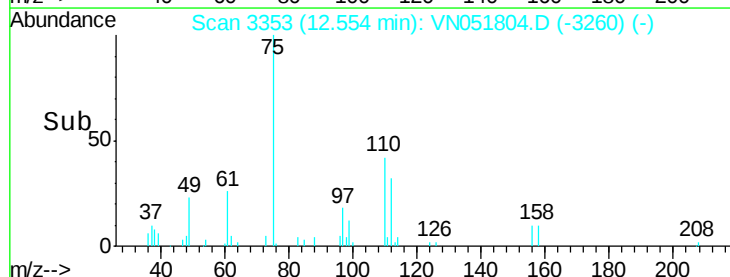
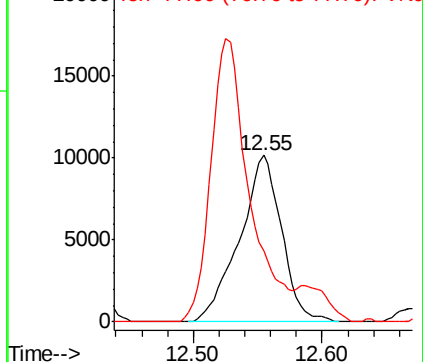
75 100

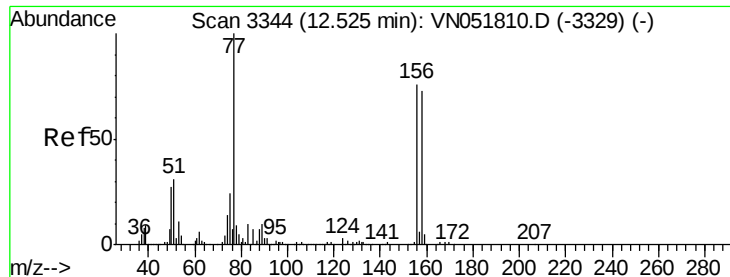
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 2.42 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

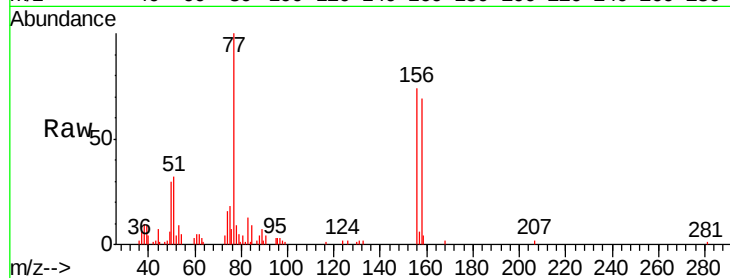
Tgt Ion: 156 Resp: 21142

Ion Ratio Lower Upper

156 100

77 169.3 89.9 269.7

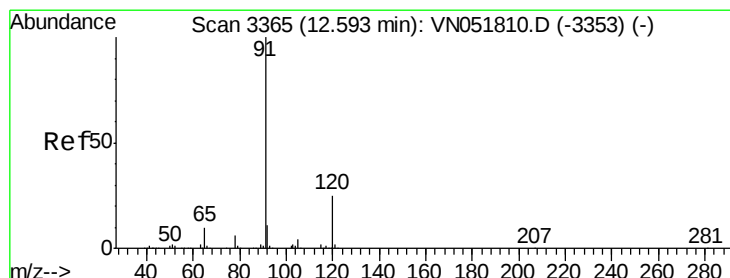
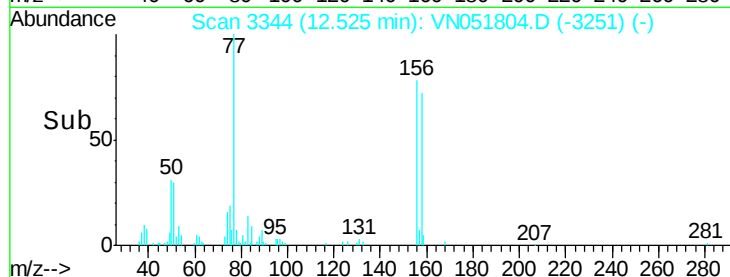
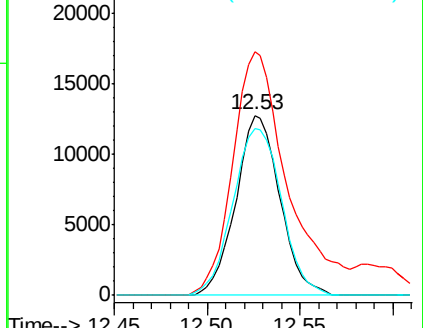
158 102.7 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.51 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051804.D

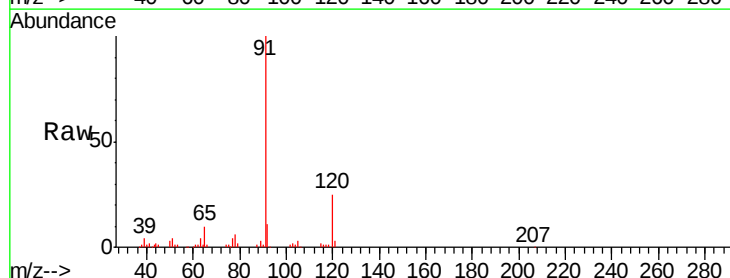
Acq: 11 Oct 2018 9:11

Tgt Ion: 91 Resp: 90443

Ion Ratio Lower Upper

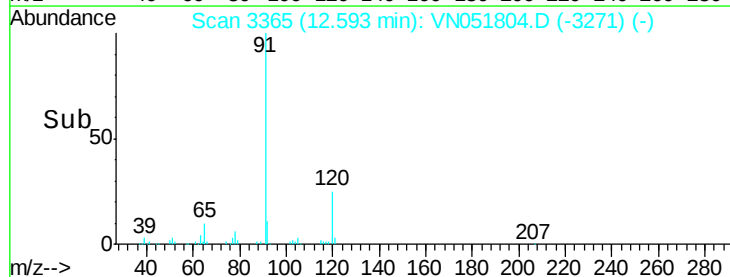
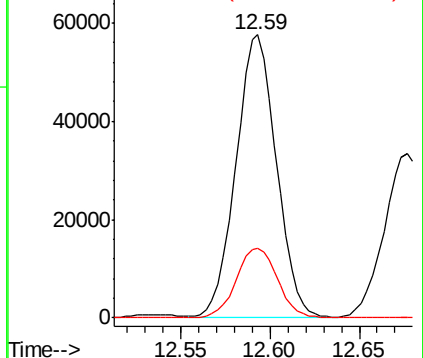
91 100

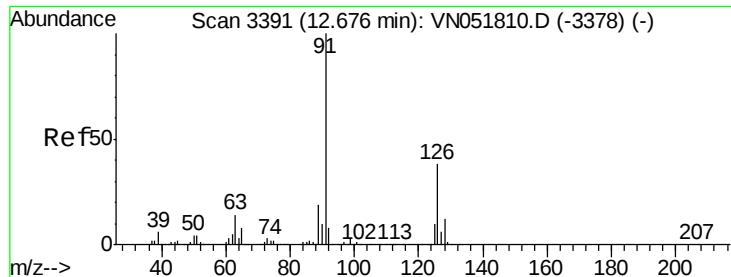
120 25.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

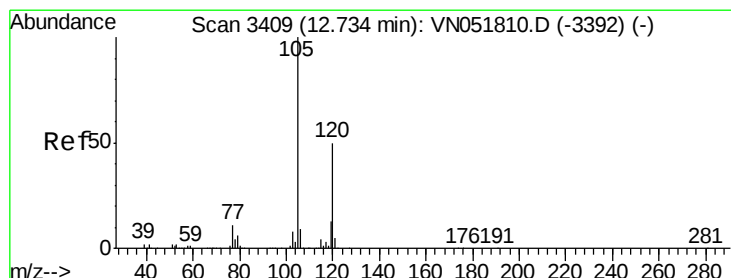
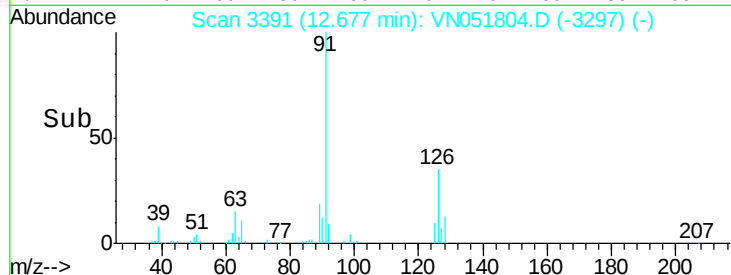
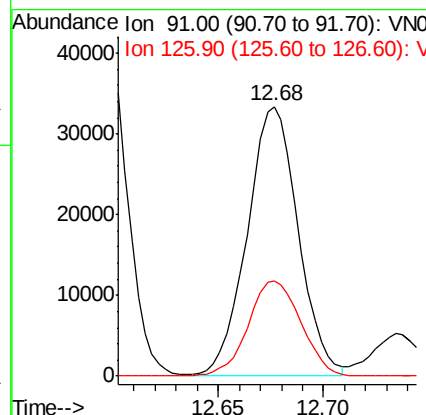
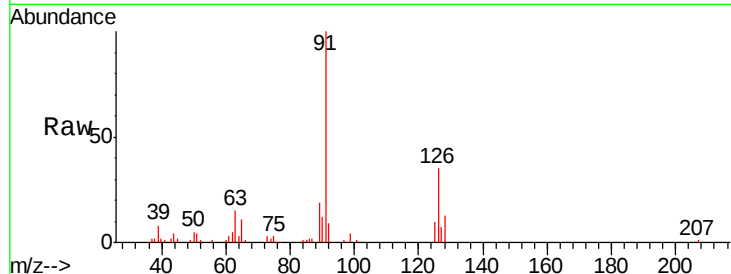




#79
 2-Chlorotoluene
 Concen: 2.49 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

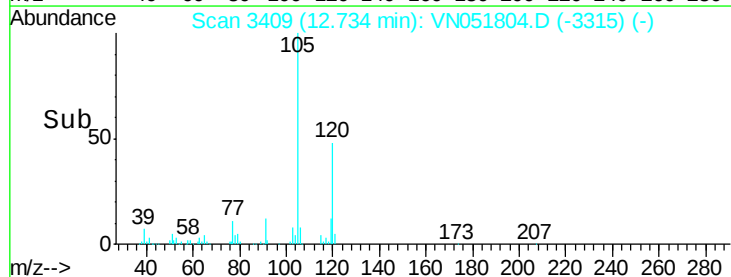
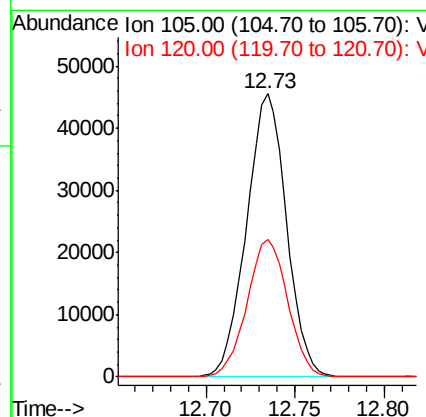
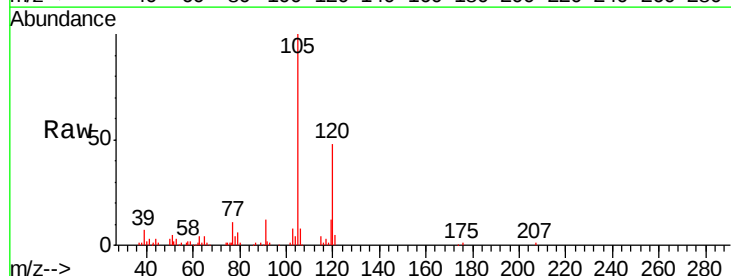
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

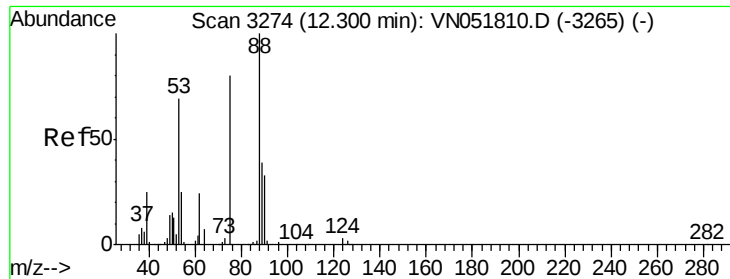
Tgt Ion: 91 Resp: 55765
 Ion Ratio Lower Upper
 91 100
 126 36.7 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 2.74 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Tgt Ion: 105 Resp: 71108
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 2.31 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

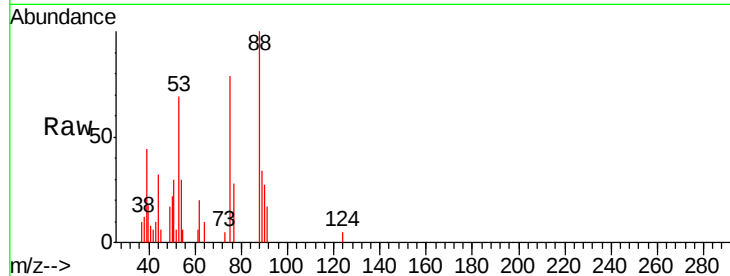
Tgt Ion: 75 Resp: 4658

Ion Ratio Lower Upper

75 100

53 93.8 68.9 103.3

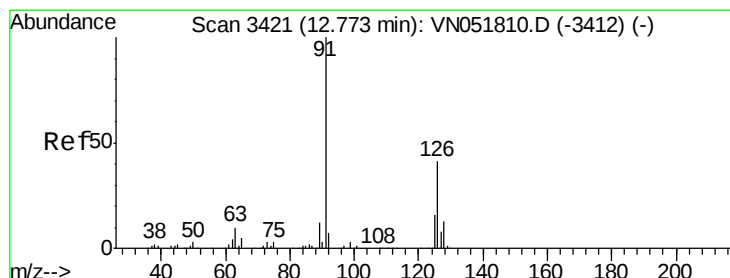
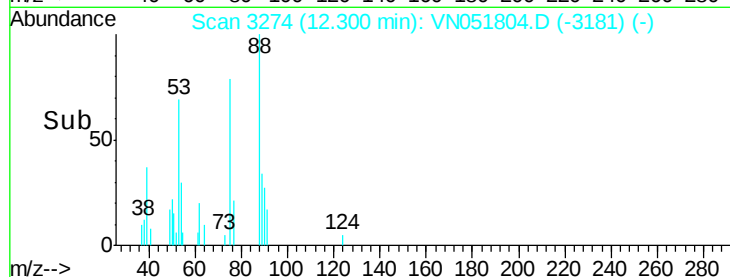
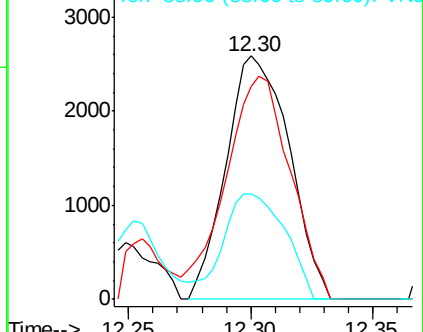
89 42.8 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 2.44 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN051804.D

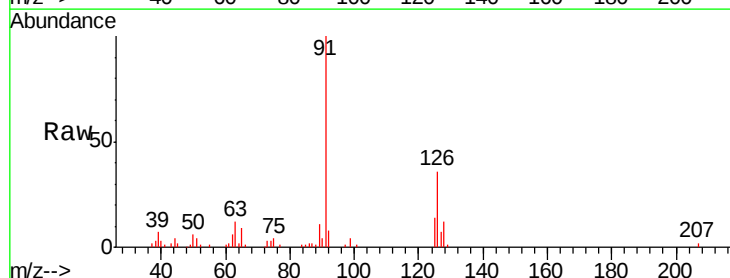
Acq: 11 Oct 2018 9:11

Tgt Ion: 91 Resp: 54074

Ion Ratio Lower Upper

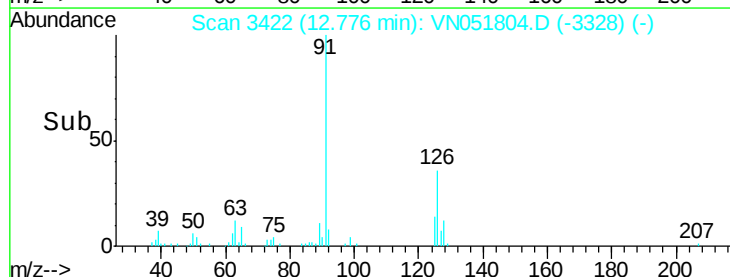
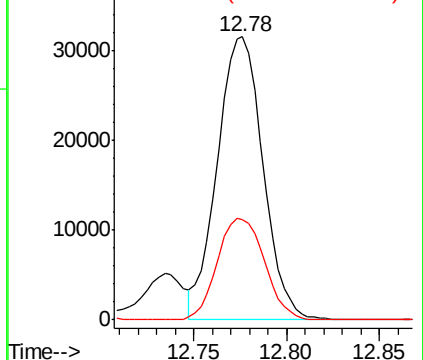
91 100

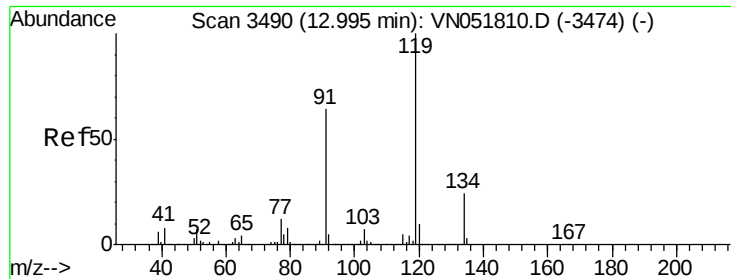
126 36.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

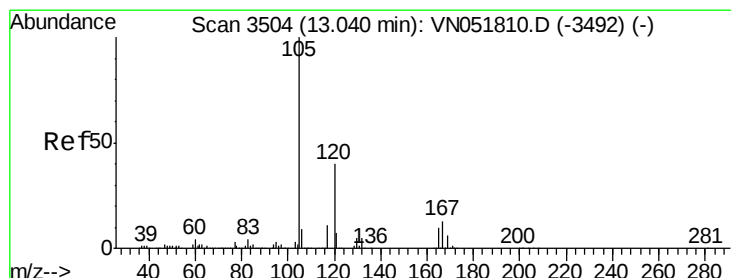
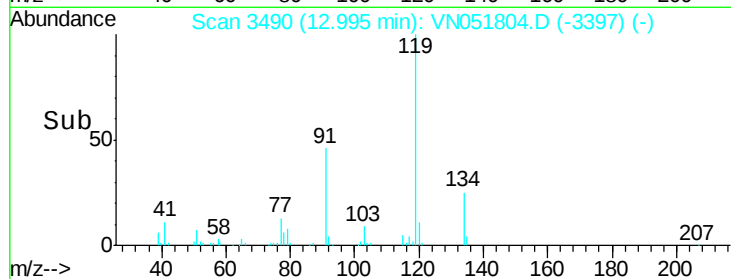
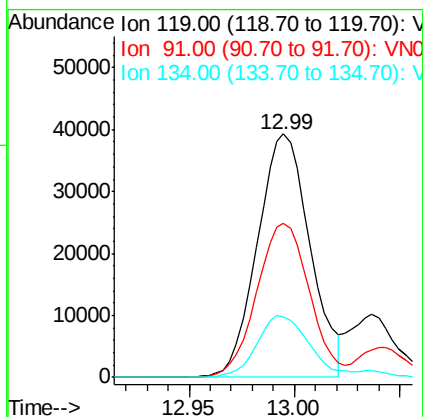
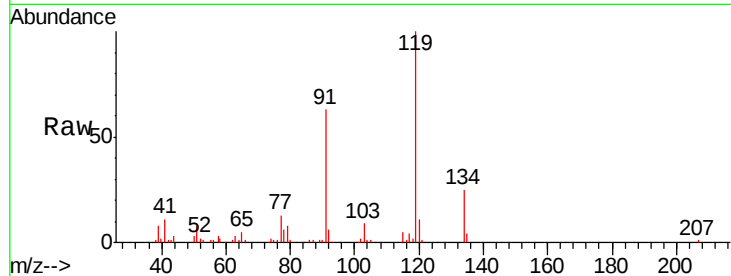




#83
 tert-Butylbenzene
 Concen: 3.03 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

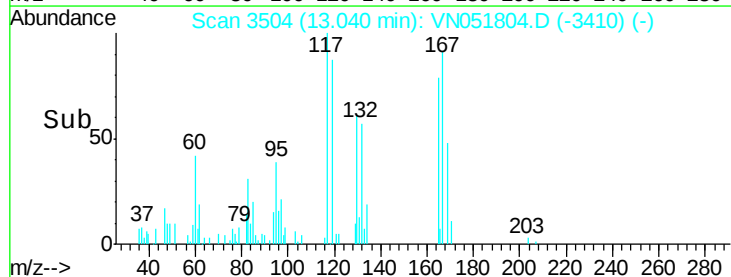
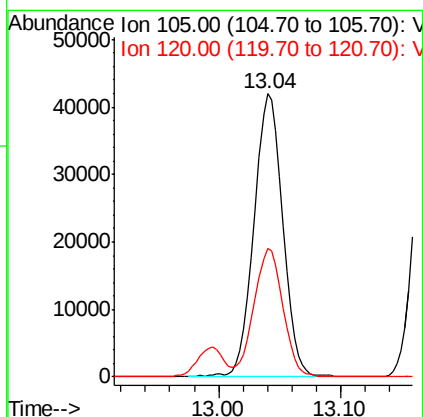
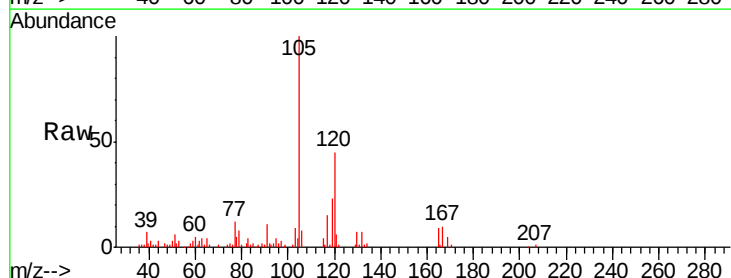
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

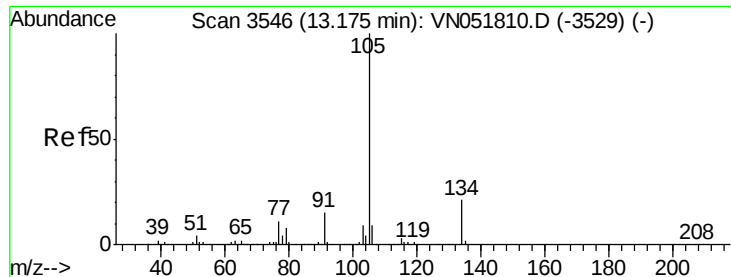
Tgt Ion:119 Resp: 68145
 Ion Ratio Lower Upper
 119 100
 91 63.3 31.6 94.7
 134 25.4 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 2.60 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Tgt Ion:105 Resp: 67962
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.9 68.8

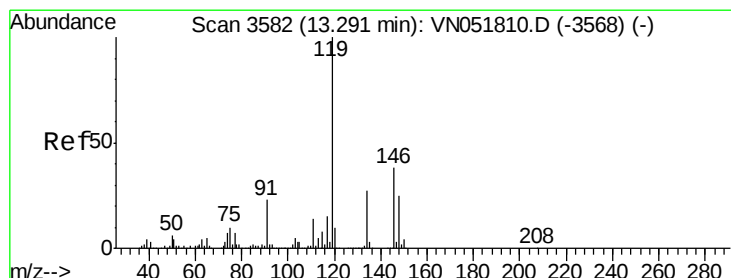
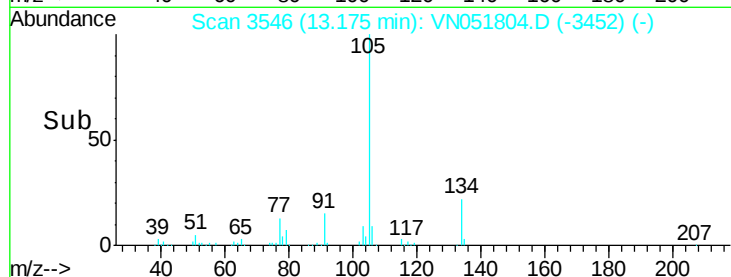
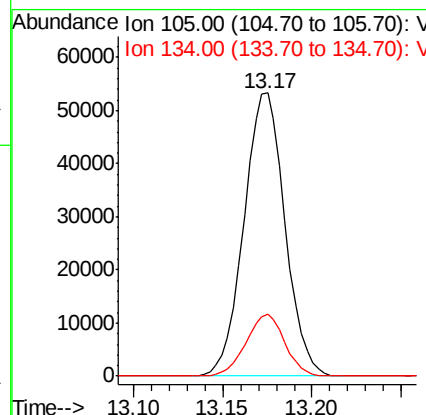
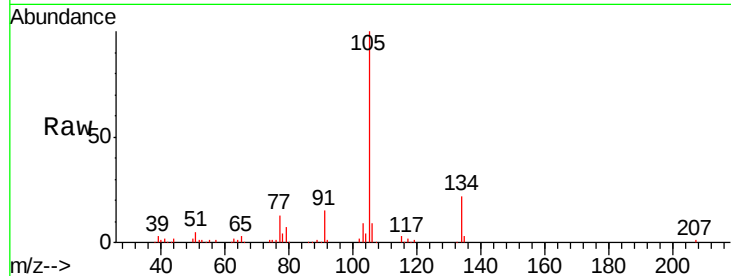




#85
 sec-Butylbenzene
 Concen: 2.89 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

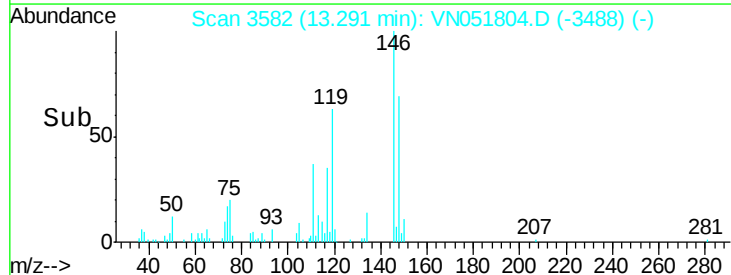
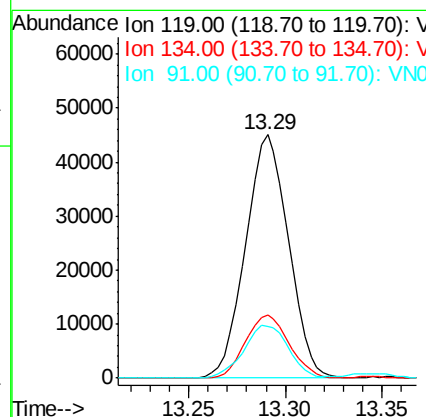
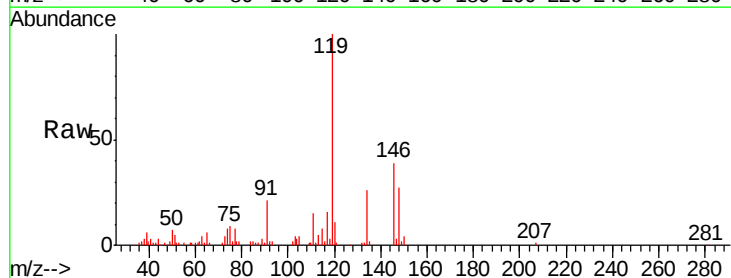
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

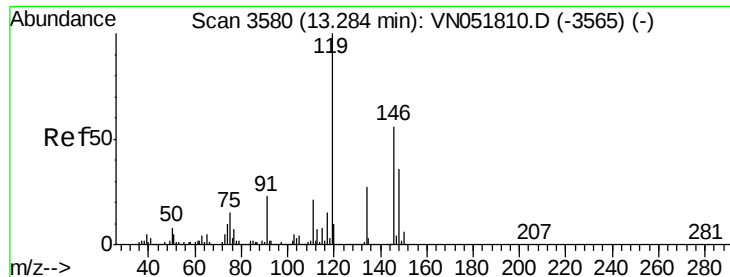
Tgt Ion:105 Resp: 85145
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 2.77 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Tgt Ion:119 Resp: 69585
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.7 41.0
 91 22.8 11.2 33.5

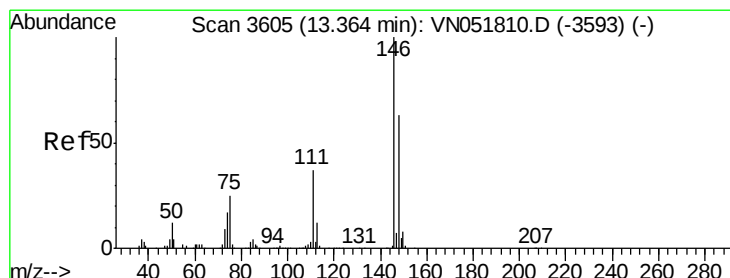
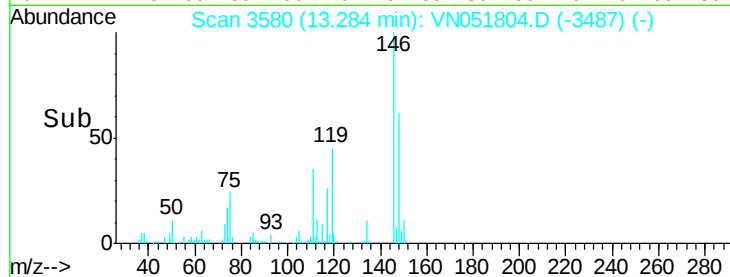
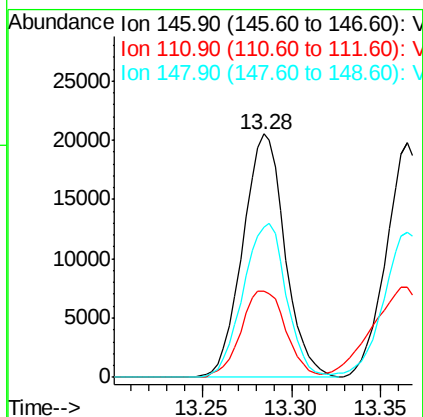
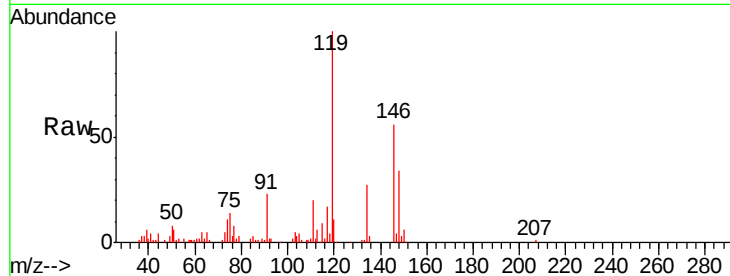




#87
 1,3-Dichlorobenzene
 Concen: 2.27 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

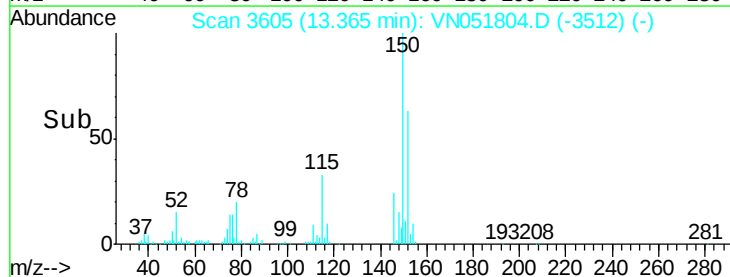
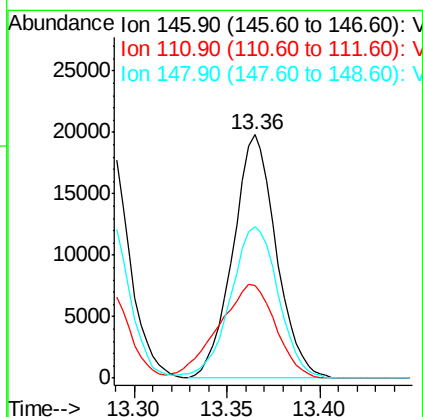
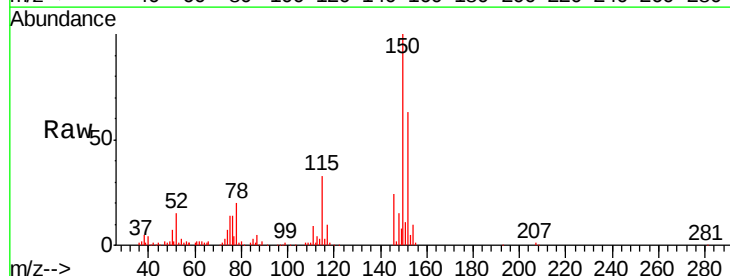
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

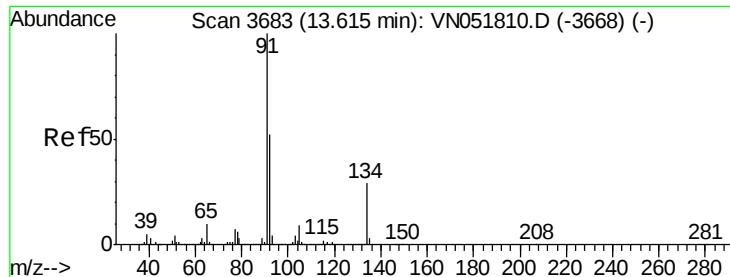
Tgt Ion:146 Resp: 33779
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.1 57.3
 148 65.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 2.20 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Tgt Ion:146 Resp: 32130
 Ion Ratio Lower Upper
 146 100
 111 50.7 18.8 56.3
 148 68.6 32.2 96.6





#89

n-Butylbenzene

Concen: 2.21 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

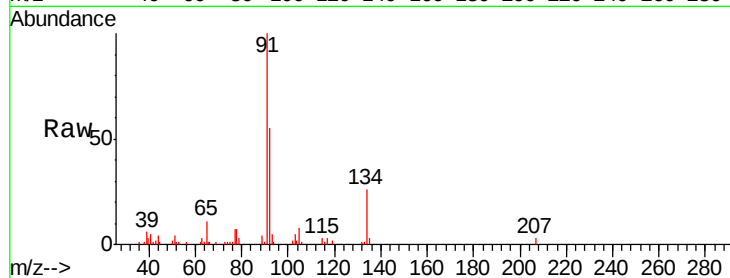
Tgt Ion: 91 Resp: 44475

Ion Ratio Lower Upper

91 100

92 53.4 26.1 78.2

134 27.3 13.2 39.6

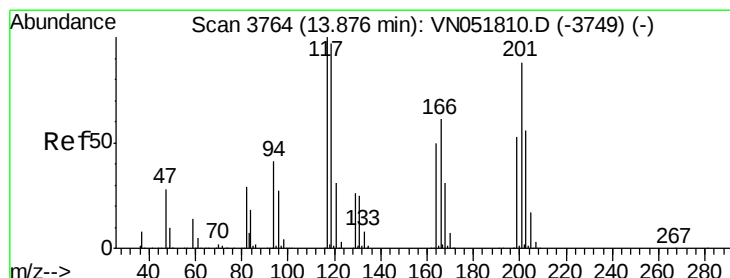
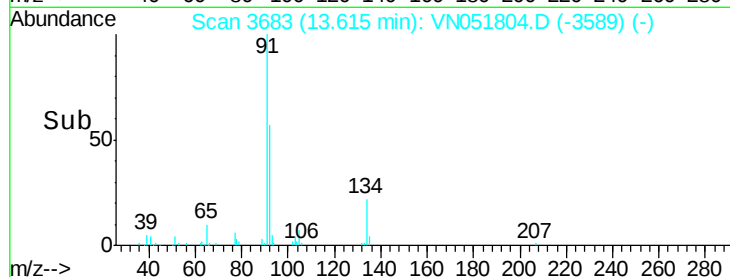


Abundance Ion 91.00 (90.70 to 91.70): VN051810.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051810.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051810.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 2.39 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051804.D

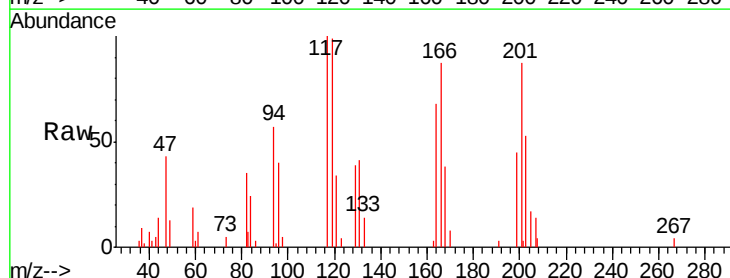
Acq: 11 Oct 2018 9:11

Tgt Ion: 117 Resp: 12438

Ion Ratio Lower Upper

117 100

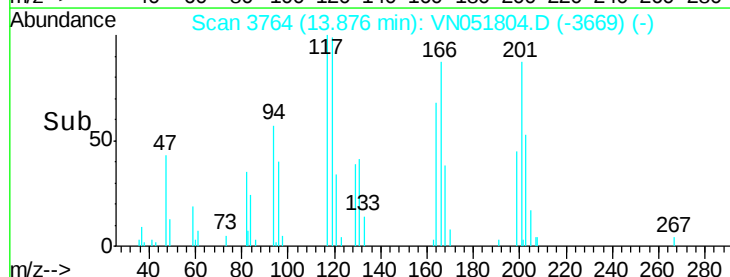
201 91.3 46.0 137.8

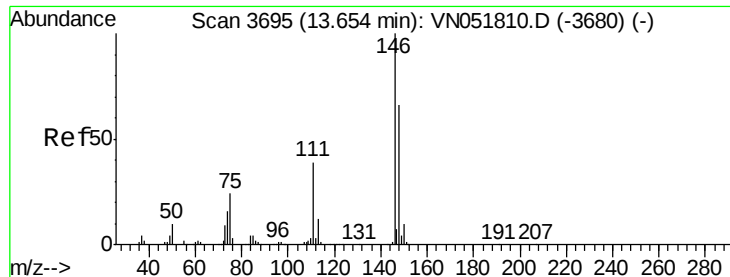


Abundance Ion 116.80 (116.50 to 117.50): VN051810.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN051810.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 2.26 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

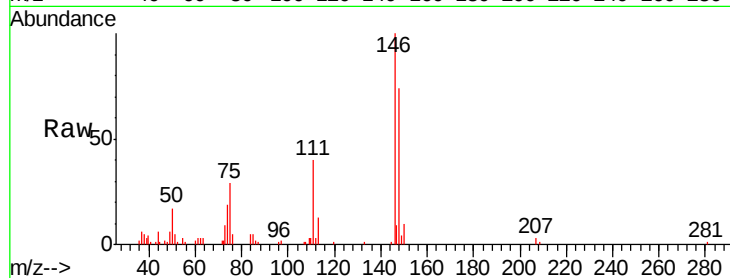
Tgt Ion: 146 Resp: 32439

Ion Ratio Lower Upper

146 100

111 40.3 19.8 59.3

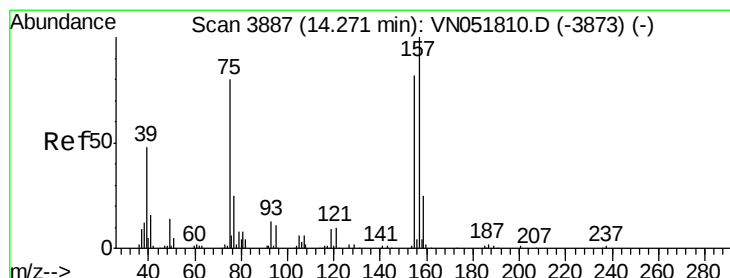
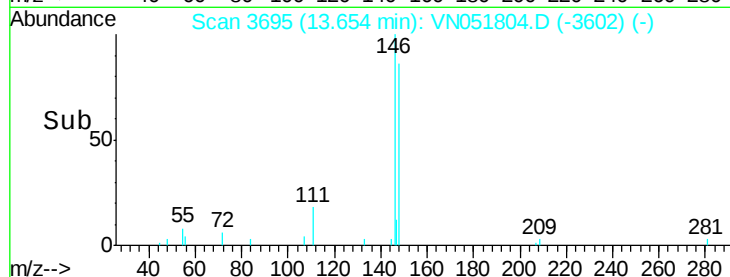
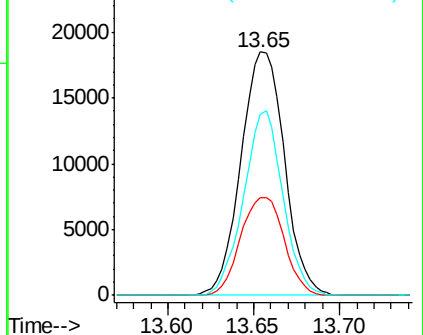
148 68.4 32.3 96.8



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: 2.22 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

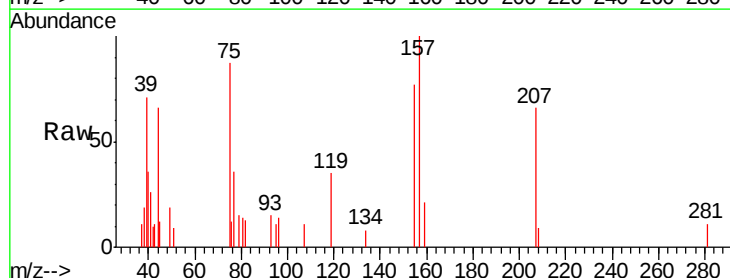
Tgt Ion: 75 Resp: 2568

Ion Ratio Lower Upper

75 100

155 105.2 46.4 139.1

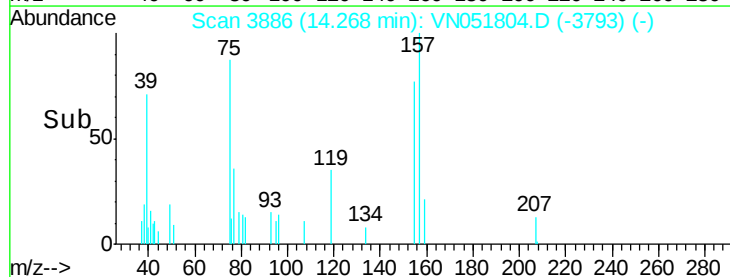
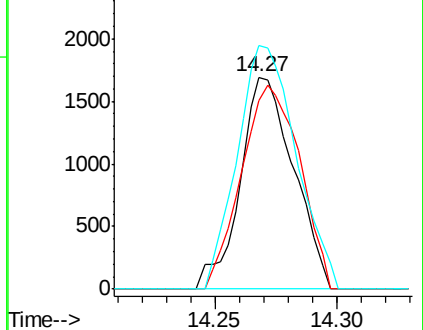
157 127.0 60.7 182.0

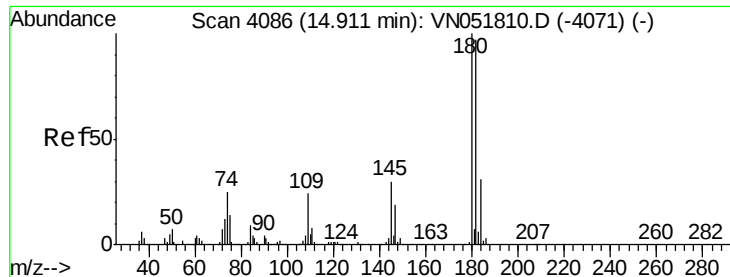


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

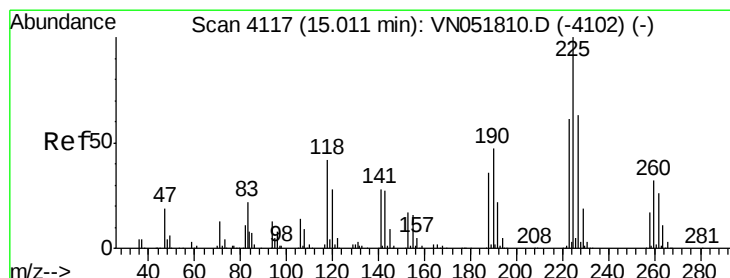
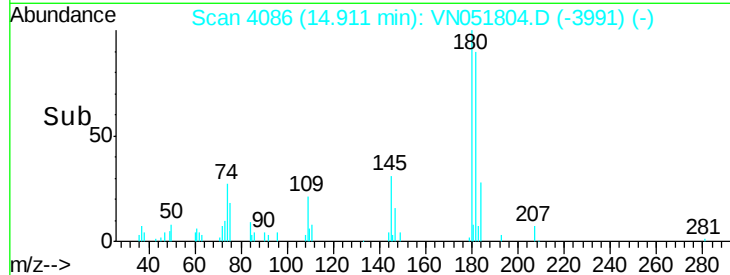
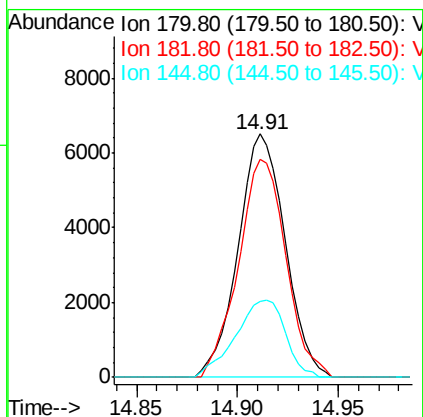
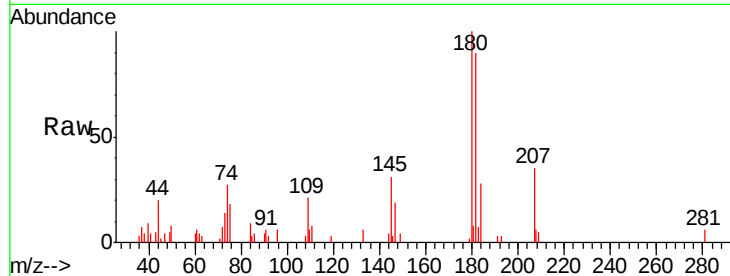




#93
 1,2,4-Trichlorobenzene
 Concen: 1.70 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

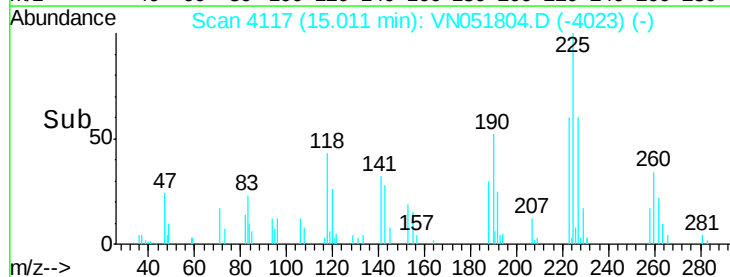
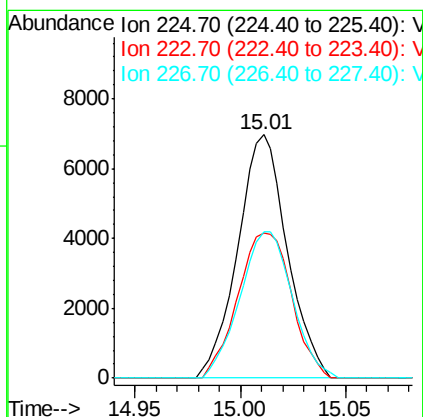
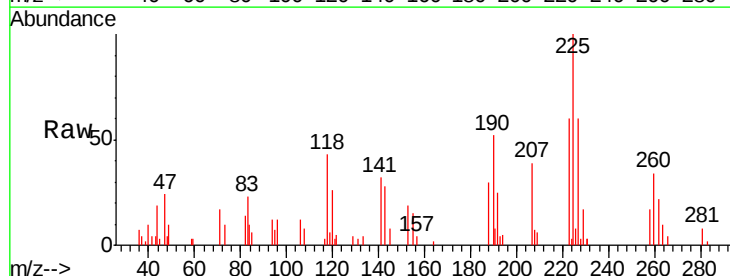
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

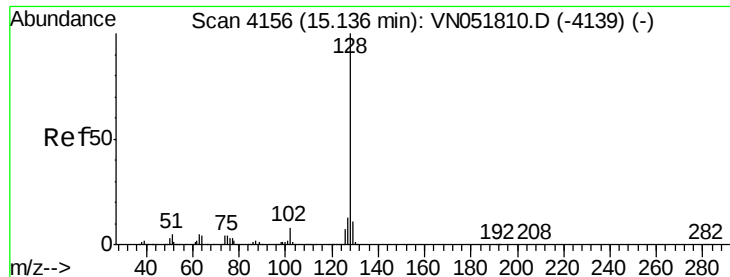
Tgt Ion:180 Resp: 10617
 Ion Ratio Lower Upper
 180 100
 182 90.8 48.2 144.6
 145 33.7 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 2.43 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051804.D
 Acq: 11 Oct 2018 9:11

Tgt Ion:225 Resp: 11370
 Ion Ratio Lower Upper
 225 100
 223 64.7 31.3 93.8
 227 63.6 32.0 96.2





#95

Naphthalene

Concen: 1.97 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

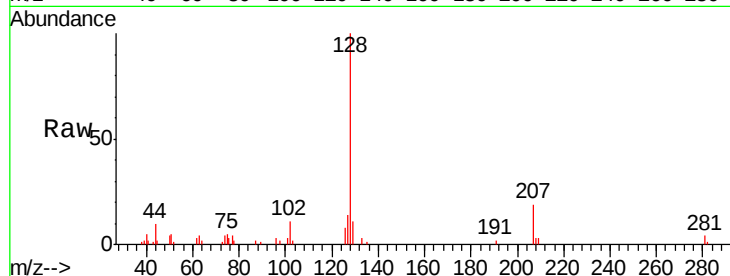
Tgt Ion:128 Resp: 24196

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

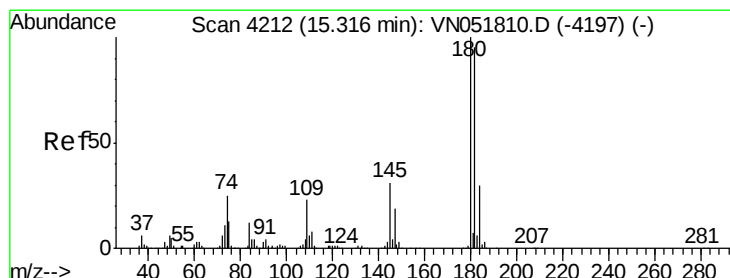
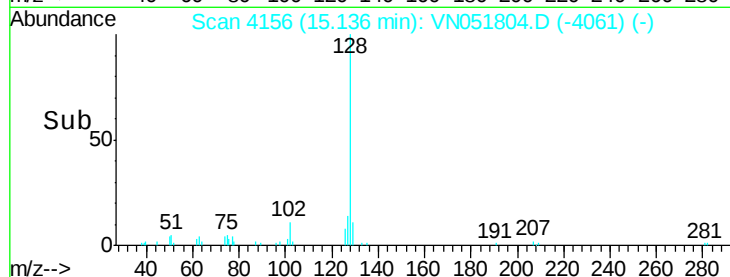
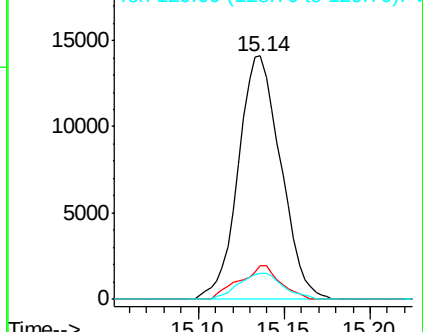
129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.08 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN051804.D

Acq: 11 Oct 2018 9:11

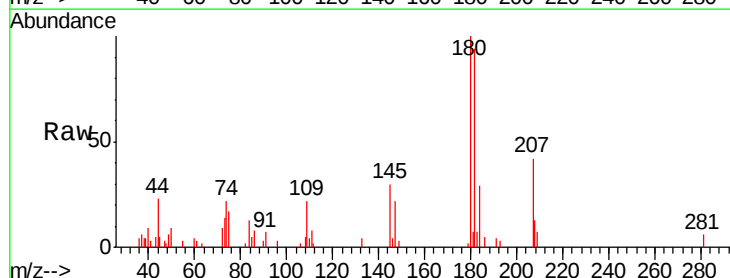
Tgt Ion:180 Resp: 12609

Ion Ratio Lower Upper

180 100

182 86.0 48.0 144.2

145 28.4 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

