

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN012820\
 Data File : VN059891.D
 Acq On : 28 Jan 2020 12:36
 Operator : JC/MD
 Sample : VN0128WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Quant Time: Jan 28 12:56:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	311406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	278883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	114675	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
35) Dibromofluoromethane	7.56	113	95577	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.08	98	361088	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	126546	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44065	18.27	ug/l	98
3) Chloromethane	2.04	50	41584	18.07	ug/l	98
4) Vinyl Chloride	2.17	62	52239	19.84	ug/l	97
5) Bromomethane	2.54	94	33274	20.71	ug/l	99
6) Chloroethane	2.68	64	25126	20.17	ug/l	98
7) Trichlorofluoromethane	3.00	101	64151	20.29	ug/l	97
8) Diethyl Ether	3.38	74	24042	21.67	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38448	21.85	ug/l	93
10) Methyl Iodide	3.93	142	57747	20.30	ug/l	93
11) Tert butyl alcohol	4.73	59	38874	103.47	ug/l	99
12) 1,1-Dichloroethene	3.72	96	36105	19.64	ug/l	88
13) Acrolein	3.58	56	19085	71.76	ug/l	94
14) Allyl chloride	4.29	41	47995	19.37	ug/l #	83
15) Acrylonitrile	4.94	53	92279	107.67	ug/l	99
16) Acetone	3.78	43	89926	112.64	ug/l	97
17) Carbon Disulfide	4.03	76	92265	17.62	ug/l	100
18) Methyl Acetate	4.28	43	55393	21.25	ug/l #	89
19) Methyl tert-butyl Ether	5.00	73	131244	21.89	ug/l	97
20) Methylene Chloride	4.52	84	43375	20.72	ug/l	86
21) trans-1,2-Dichloroethene	5.01	96	38871	19.89	ug/l	90
22) Diisopropyl ether	5.91	45	118051	21.02	ug/l #	95
23) Vinyl Acetate	5.86	43	451954	103.94	ug/l #	93
24) 1,1-Dichloroethane	5.81	63	70681	20.60	ug/l	97
25) 2-Butanone	6.80	43	122275	96.75	ug/l	92
26) 2,2-Dichloropropane	6.79	77	67514	20.46	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	47238	21.01	ug/l	88
28) Bromochloromethane	7.16	49	28171	20.54	ug/l #	70
29) Tetrahydrofuran	7.18	42	77378	98.95	ug/l #	85
30) Chloroform	7.35	83	77021	21.66	ug/l	99
31) Cyclohexane	7.63	56	61212	18.54	ug/l #	83
32) 1,1,1-Trichloroethane	7.55	97	68804	20.93	ug/l	95
36) 1,1-Dichloropropene	7.77	75	54468	20.09	ug/l	96
37) Ethyl Acetate	6.90	43	50711	19.94	ug/l	97
38) Carbon Tetrachloride	7.75	117	61985	21.01	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64793	19.38	ug/l	91
40) Benzene	8.02	78	164872	20.39	ug/l	99
41) Methacrylonitrile	7.17	41	71896	57.39	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	59857	21.83	ug/l	96
43) Isopropyl Acetate	8.14	43	86432	19.76	ug/l #	93
44) Trichloroethene	8.82	130	48524	21.98	ug/l	93
45) 1,2-Dichloropropane	9.10	63	42458	21.22	ug/l	99
46) Dibromomethane	9.19	93	30889	21.88	ug/l	91
47) Bromodichloromethane	9.38	83	61853	21.74	ug/l	99
48) Methyl methacrylate	9.18	41	38021	19.43	ug/l	88
49) 1,4-Dioxane	9.18	88	15646	436.76	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	256223	101.31	ug/l	94
52) Toluene	10.14	92	107316	21.01	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	68360	21.52	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	72360	21.65	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	44897	22.19	ug/l	96
56) Ethyl methacrylate	10.42	69	62459	20.20	ug/l	90
57) 1,3-Dichloropropane	10.70	76	70149	21.84	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	102233	109.79	ug/l	90
59) 2-Hexanone	10.74	43	183373	98.42	ug/l	93
60) Dibromochloromethane	10.89	129	50663	21.99	ug/l	99
61) 1,2-Dibromoethane	10.99	107	46210	21.79	ug/l	98
64) Tetrachloroethene	10.62	164	51224	22.54	ug/l	94
65) Chlorobenzene	11.43	112	118222	21.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	46998	22.19	ug/l	97
67) Ethyl Benzene	11.50	91	208220	20.93	ug/l	98
68) m/p-Xylenes	11.62	106	156571	41.65	ug/l	95
69) o-Xylene	11.94	106	77108	20.95	ug/l	95
70) Styrene	11.96	104	123972	20.13	ug/l	96
71) Bromoform	12.12	173	37876	22.32	ug/l #	99
73) Isopropylbenzene	12.25	105	208858	21.88	ug/l	100
74) N-amyl acetate	12.07	43	71443	19.28	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	60388	21.82	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	80041	36.53	ug/l #	100
77) Bromobenzene	12.52	156	52188	21.58	ug/l	83
78) n-propylbenzene	12.59	91	227111	21.19	ug/l	96
79) 2-Chlorotoluene	12.67	91	136257	21.37	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	174620	21.75	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21075	20.66	ug/l	95
82) 4-Chlorotoluene	12.77	91	137383	21.48	ug/l	96
83) tert-Butylbenzene	12.99	119	149672	21.55	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	174616	21.98	ug/l	100
85) sec-Butylbenzene	13.17	105	192757	21.13	ug/l	98
86) p-Isopropyltoluene	13.28	119	180428	21.37	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	91035	21.68	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	91318	21.79	ug/l	98
89) n-Butylbenzene	13.61	91	149296	20.74	ug/l	98
90) Hexachloroethane	13.87	117	33367	21.12	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	90771	21.86	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12596	19.95	ug/l	86

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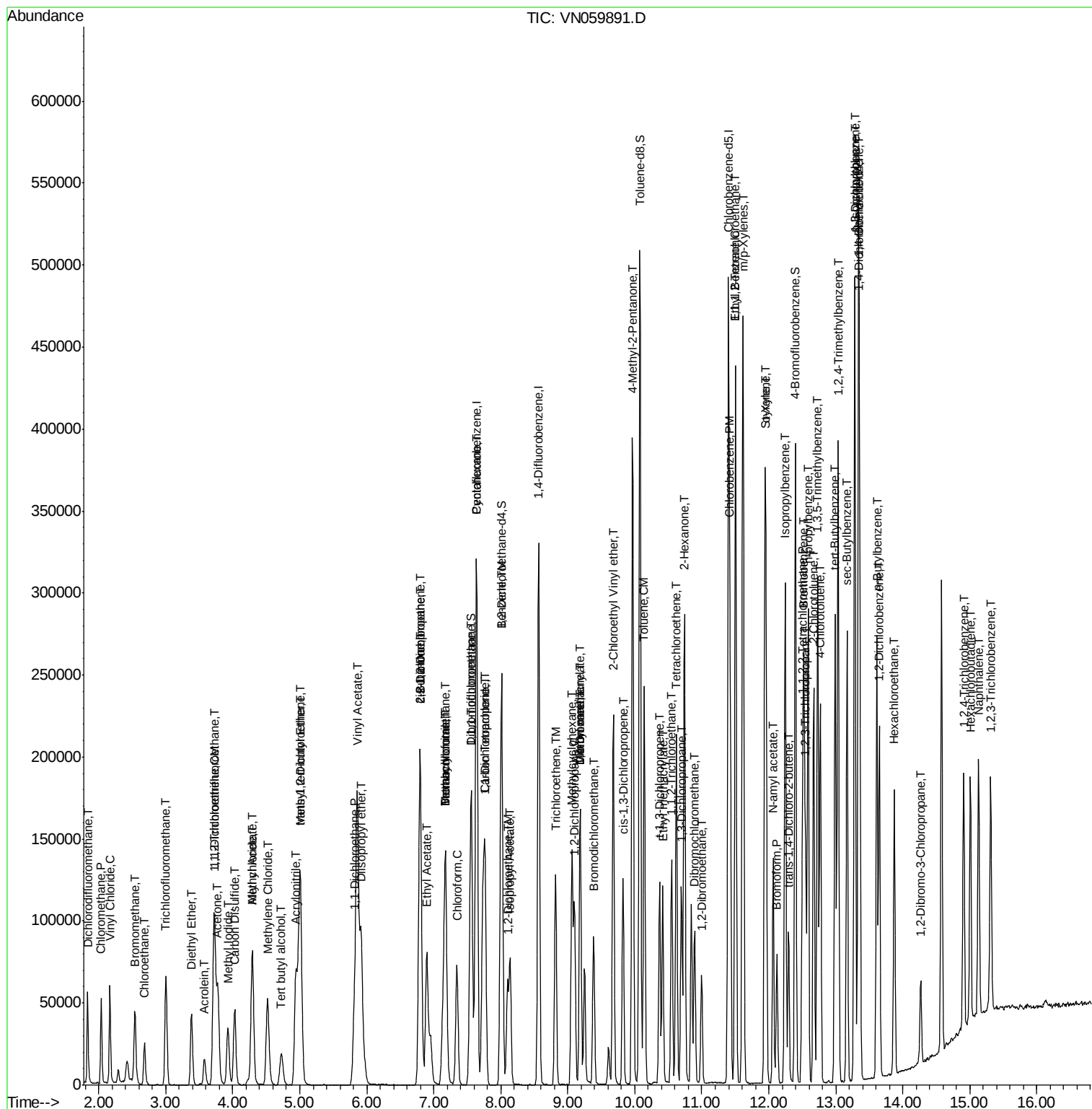
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51876	20.79	ug/l	98
94) Hexachlorobutadiene	15.01	225	29679	21.59	ug/l	98
95) Naphthalene	15.13	128	139757	19.69	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50737	20.89	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN012820\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

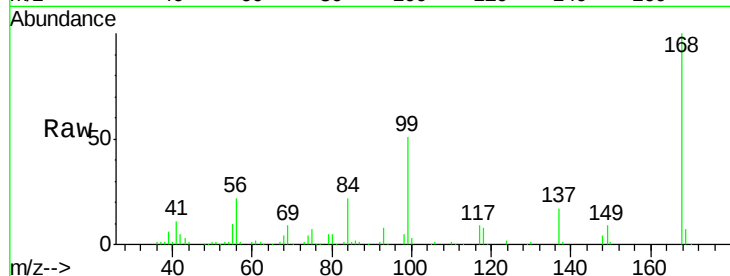
VN0128WBS01

Tgt Ion: 168 Resp: 200969

Ion Ratio Lower Upper

168 100

99 51.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

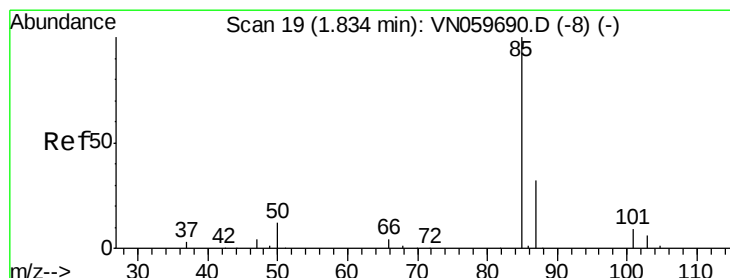
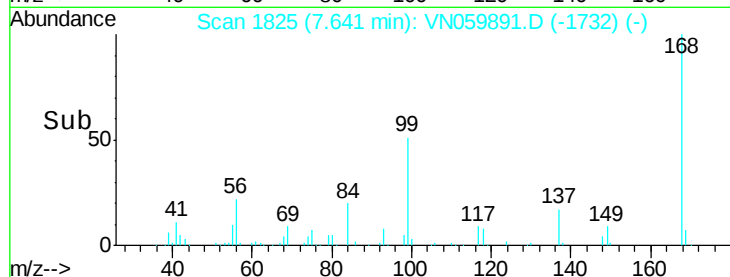
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.27 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059891.D

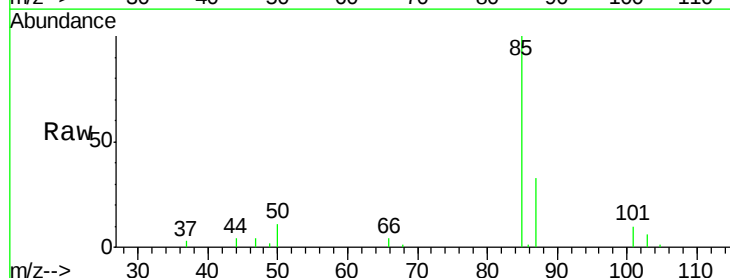
Acq: 28 Jan 2020 12:36

Tgt Ion: 85 Resp: 44065

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

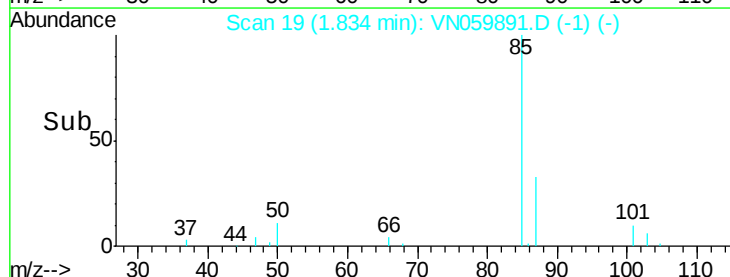
20000

10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.07 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

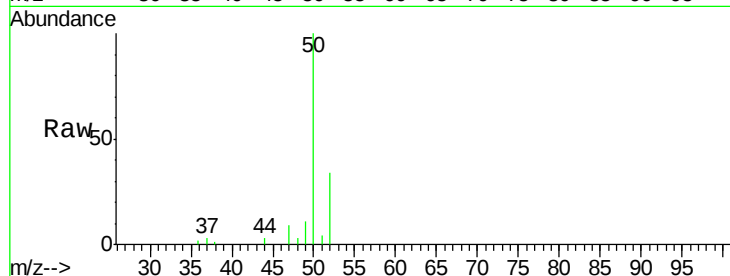
VN0128WBS01

Tgt Ion: 50 Resp: 41584

Ion Ratio Lower Upper

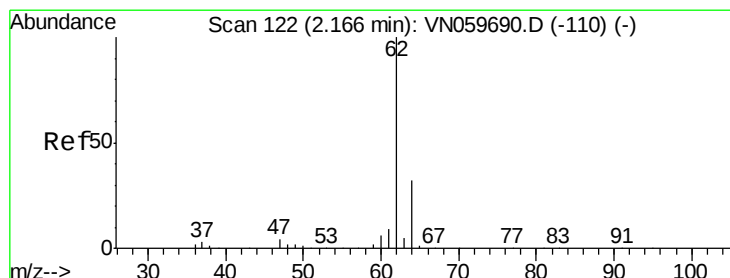
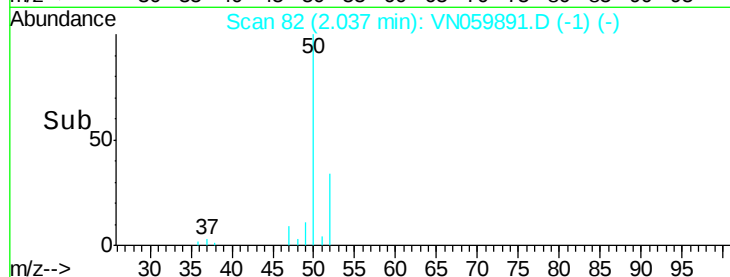
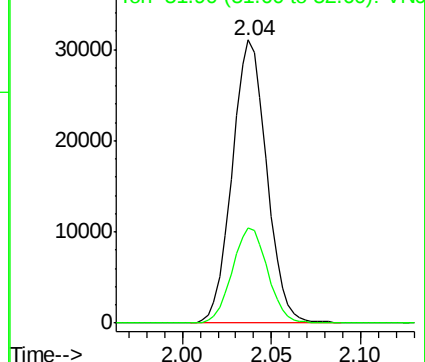
50 100

52 33.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.84 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059891.D

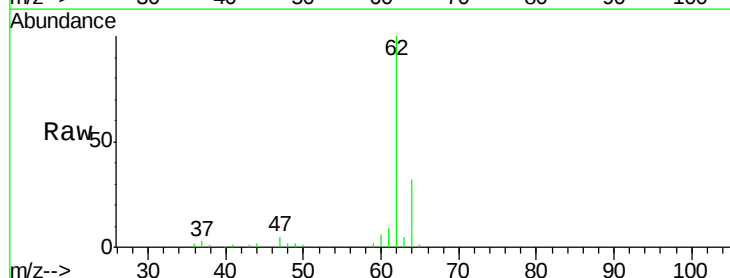
Acq: 28 Jan 2020 12:36

Tgt Ion: 62 Resp: 52239

Ion Ratio Lower Upper

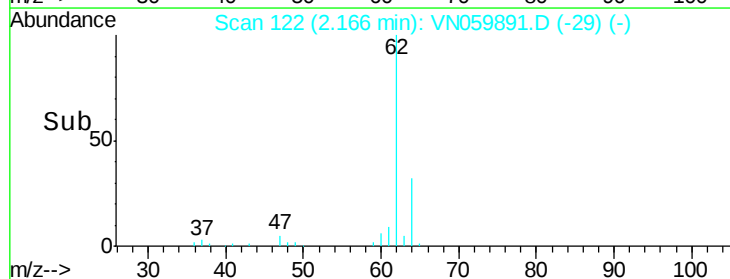
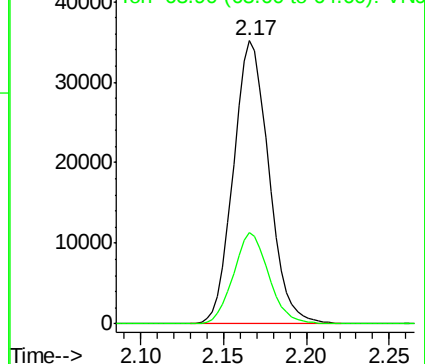
62 100

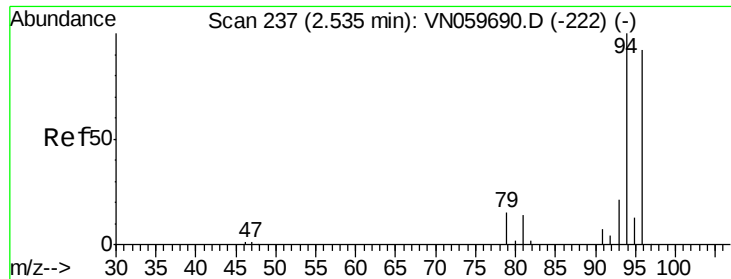
64 32.2 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.71 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

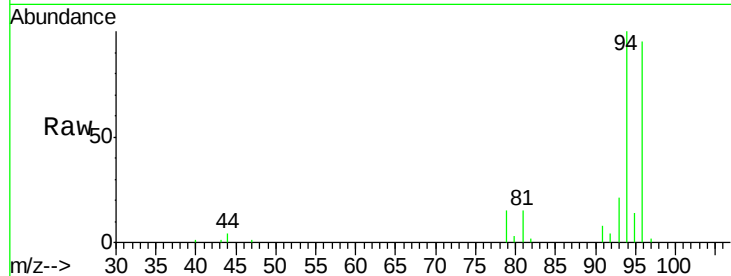
VN0128WBS01

Tgt Ion: 94 Resp: 33274

Ion Ratio Lower Upper

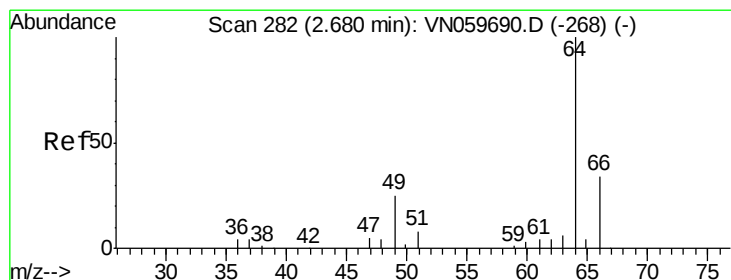
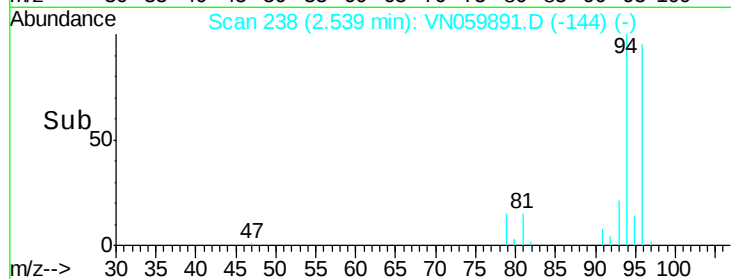
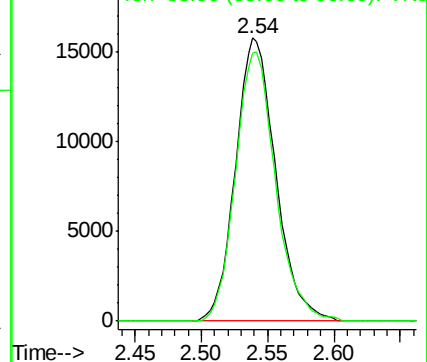
94 100

96 94.8 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.17 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059891.D

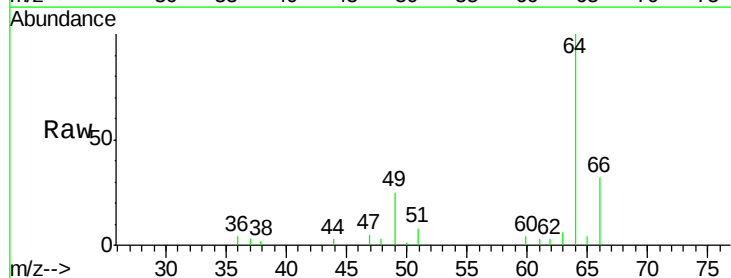
Acq: 28 Jan 2020 12:36

Tgt Ion: 64 Resp: 25126

Ion Ratio Lower Upper

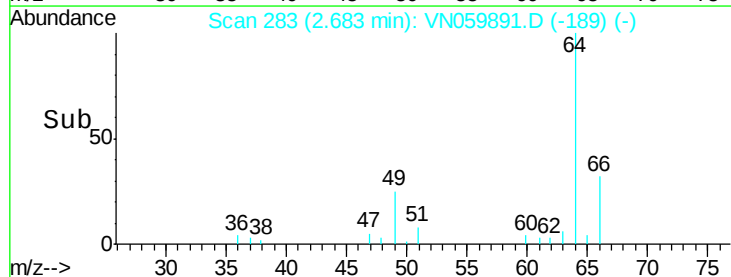
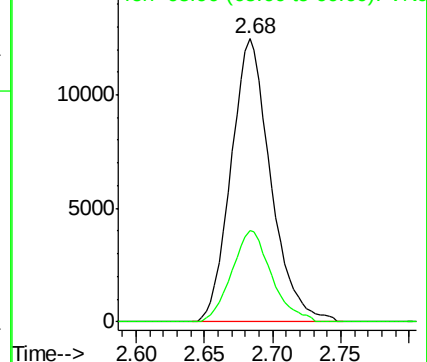
64 100

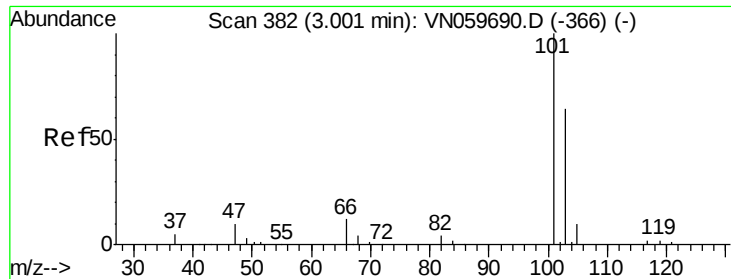
66 32.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



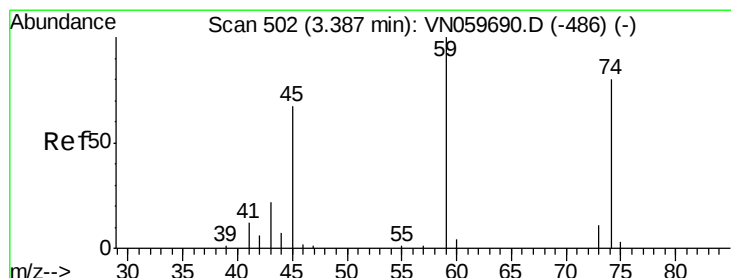
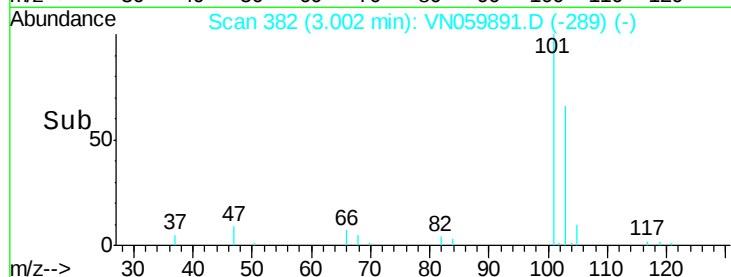
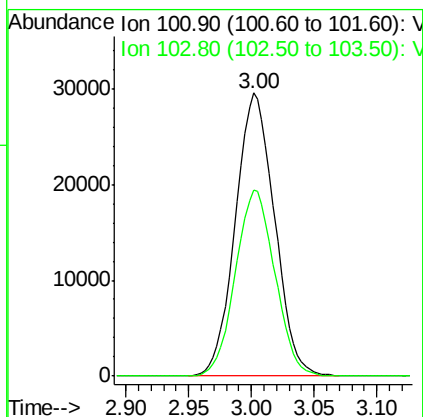
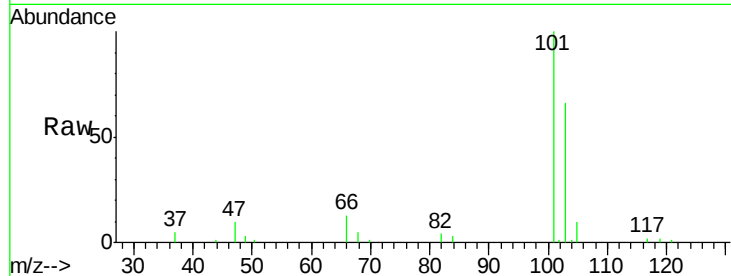


#7

Trichlorofluoromethane
 Concen: 20.29 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Instrument :
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 VN0128WBS01

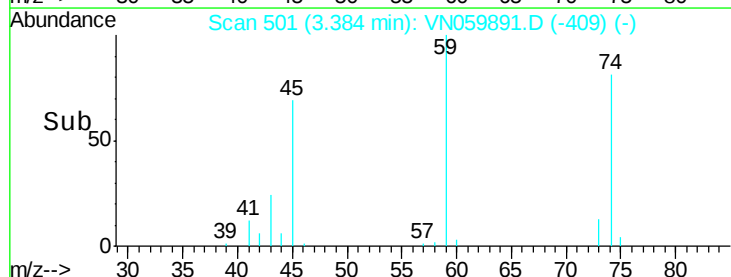
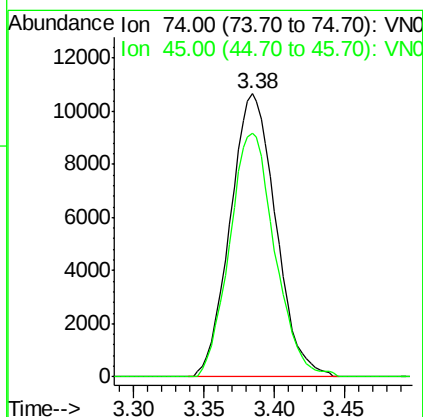
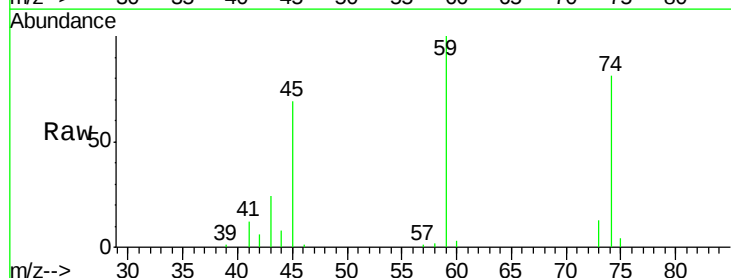
Tgt Ion: 101 Resp: 64151
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.0 76.6



#8

Diethyl Ether
 Concen: 21.67 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion: 74 Resp: 24042
 Ion Ratio Lower Upper
 74 100
 45 85.4 51.9 155.8

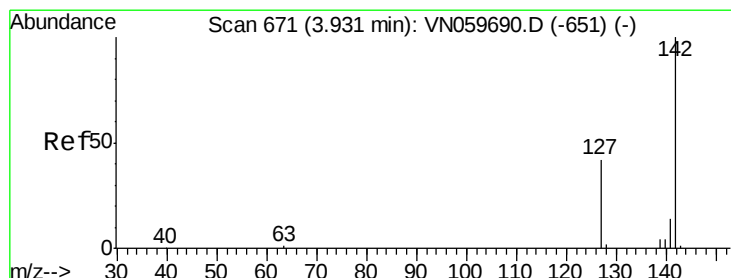
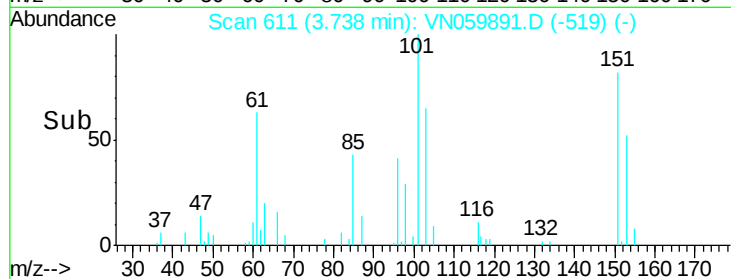
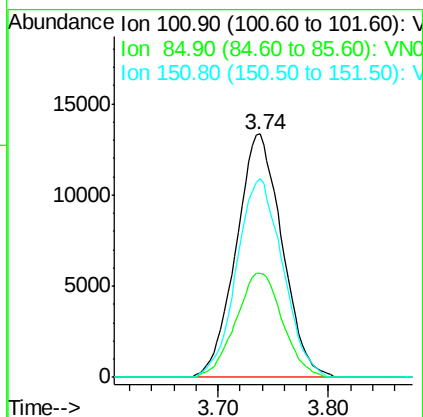
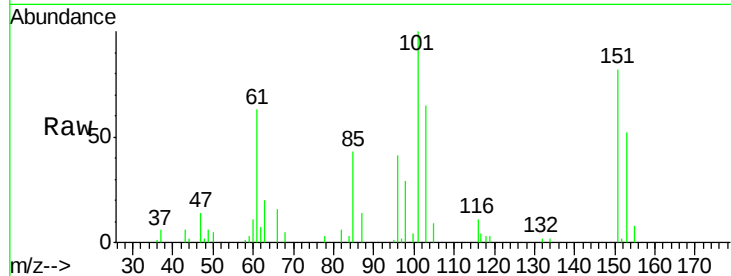




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.85 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

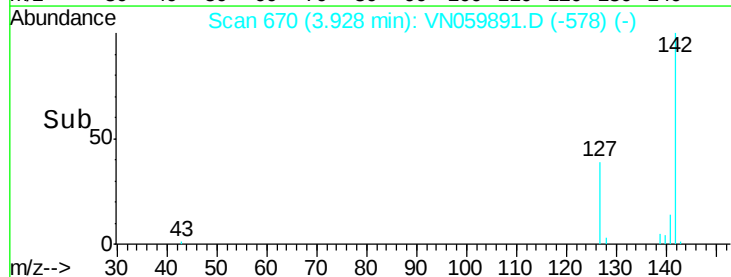
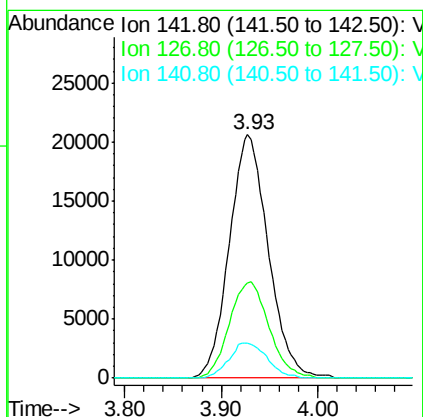
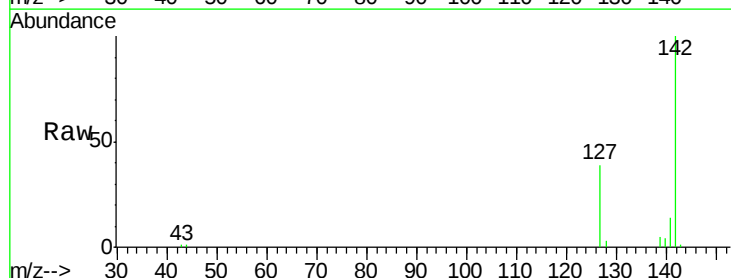
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

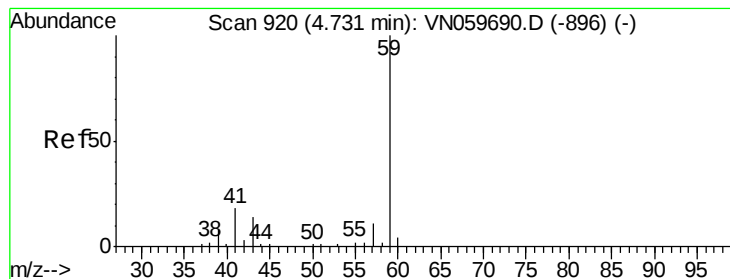
Tgt Ion:101 Resp: 38448
 Ion Ratio Lower Upper
 101 100
 85 43.4 36.6 54.8
 151 82.0 59.7 89.5



#10
 Methyl Iodide
 Concen: 20.30 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion:142 Resp: 57747
 Ion Ratio Lower Upper
 142 100
 127 40.3 36.7 55.1
 141 14.1 11.7 17.5



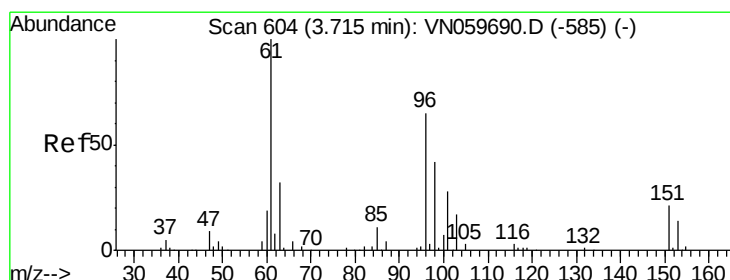
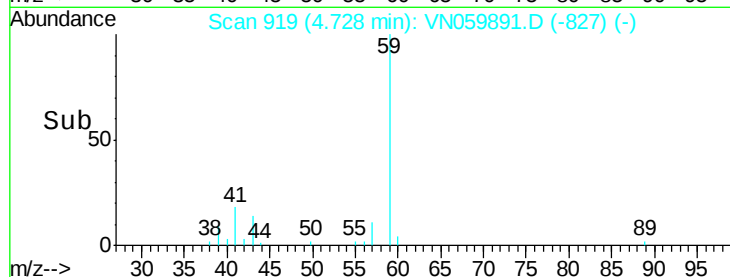
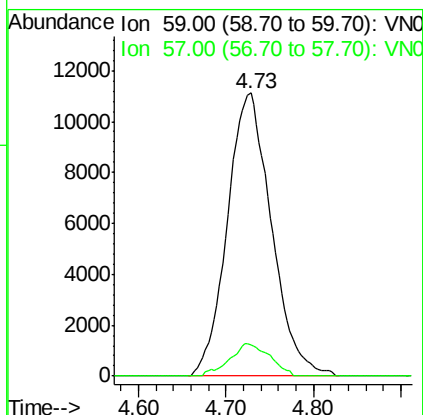
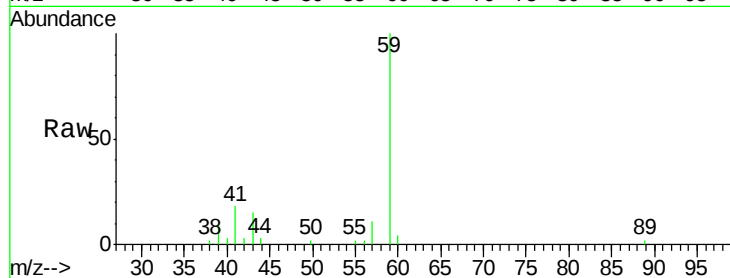


#11

Tert butyl alcohol
 Concen: 103.47 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

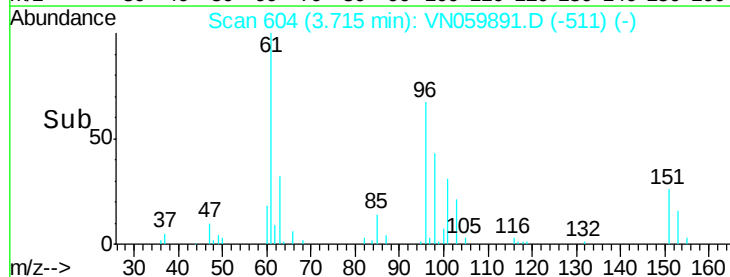
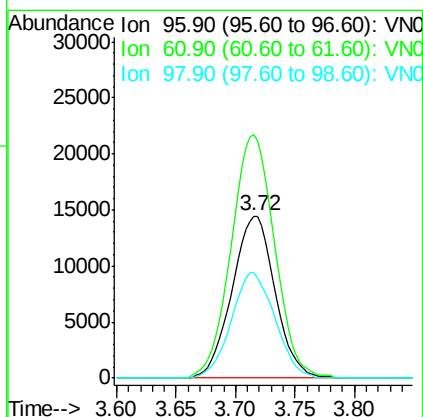
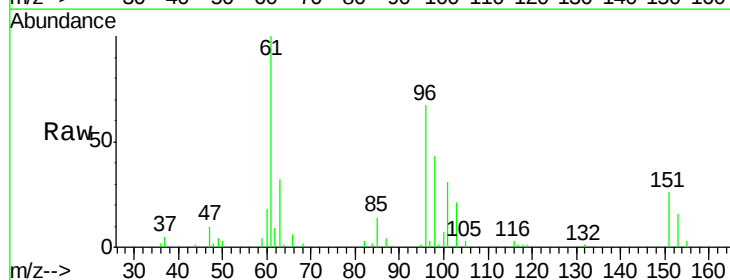
Tgt Ion: 59 Resp: 38874
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.6 12.8

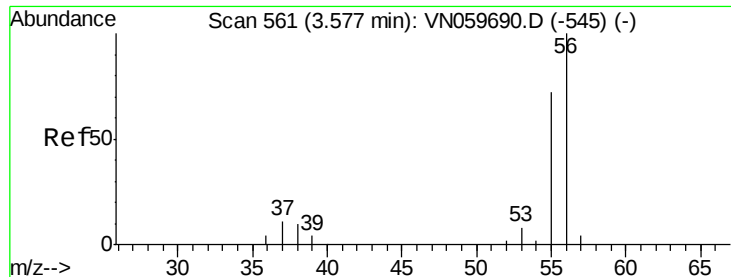


#12

1,1-Dichloroethene
 Concen: 19.64 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion: 96 Resp: 36105
 Ion Ratio Lower Upper
 96 100
 61 150.2 137.5 206.3
 98 65.1 50.2 75.4





#13

Acrolein

Concen: 71.76 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

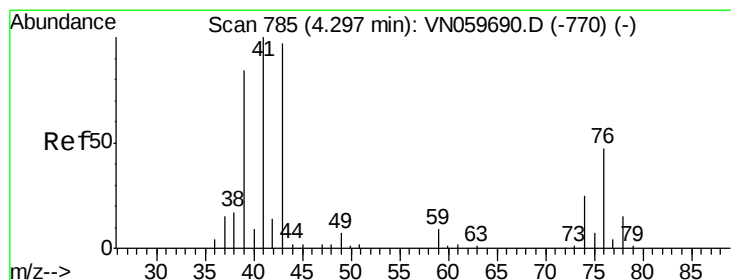
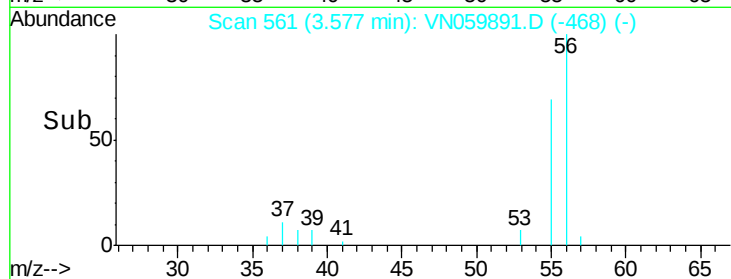
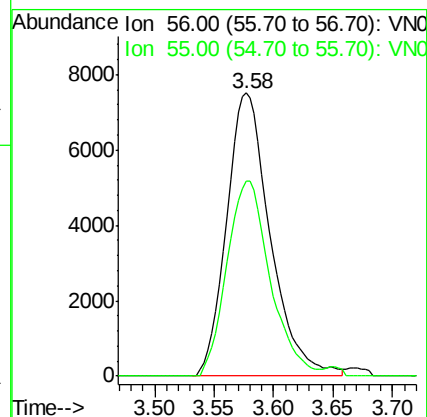
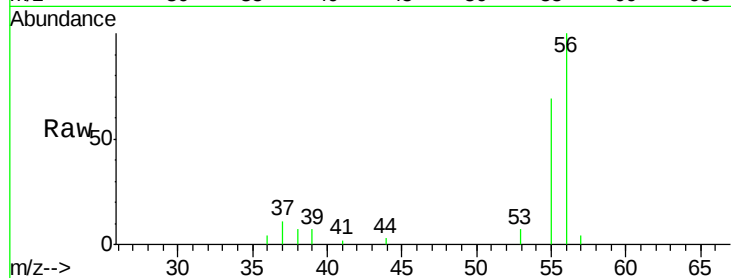
VN0128WBS01

Tgt Ion: 56 Resp: 19085

Ion Ratio Lower Upper

56 100

55 68.3 58.6 88.0



#14

Allyl chloride

Concen: 19.37 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

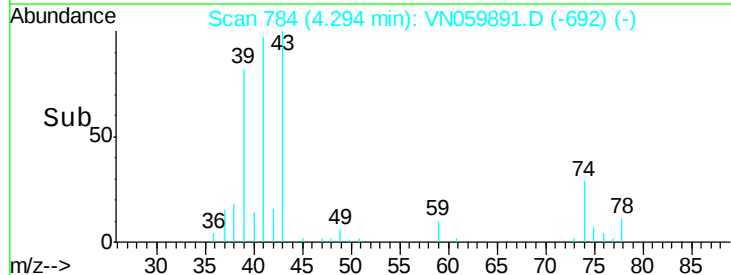
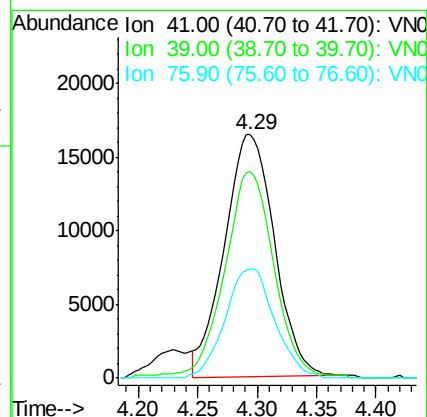
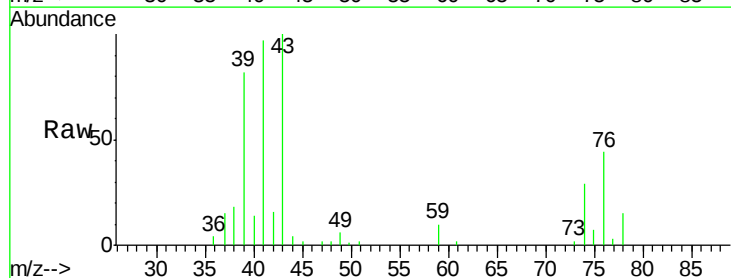
Tgt Ion: 41 Resp: 47995

Ion Ratio Lower Upper

41 100

39 84.3 57.8 86.8

76 44.7 25.4 38.0#





#15

Acrylonitrile

Concen: 107.67 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

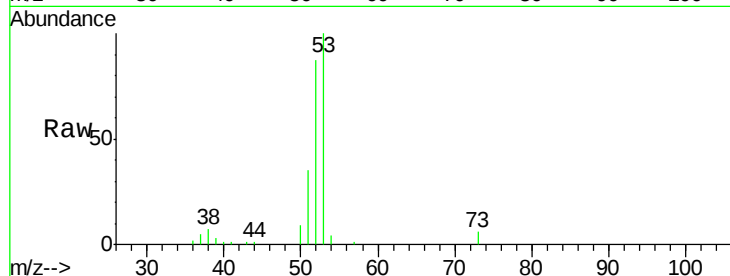
Tgt Ion: 53 Resp: 92279

Ion Ratio Lower Upper

53 100

52 82.1 66.3 99.5

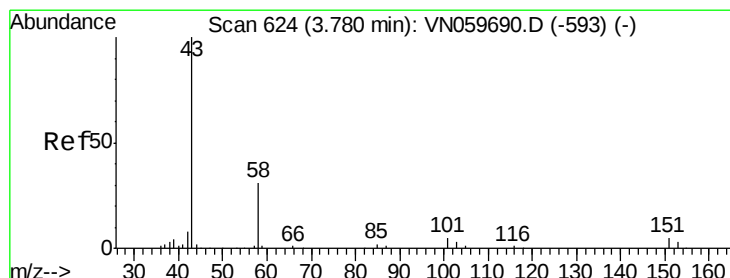
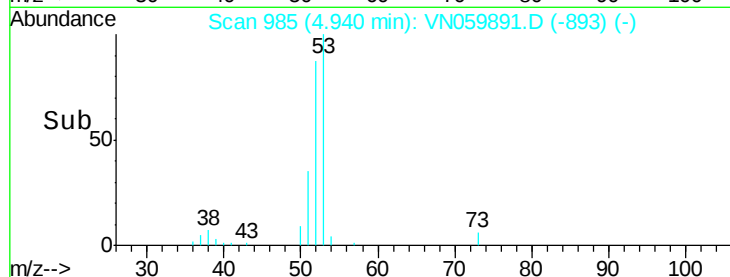
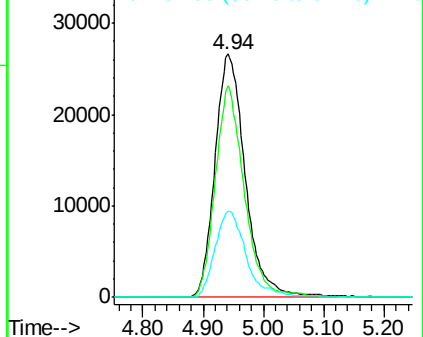
51 36.4 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 112.64 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059891.D

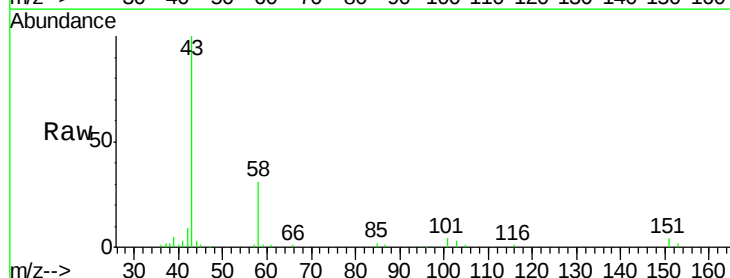
Acq: 28 Jan 2020 12:36

Tgt Ion: 43 Resp: 89926

Ion Ratio Lower Upper

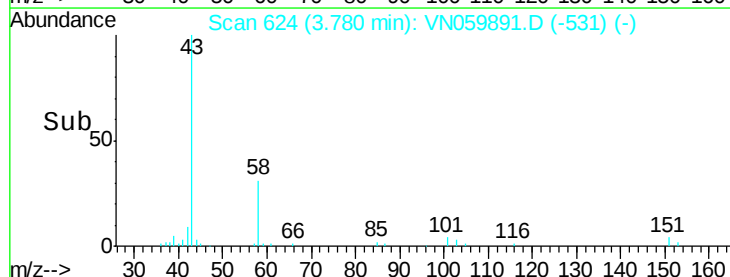
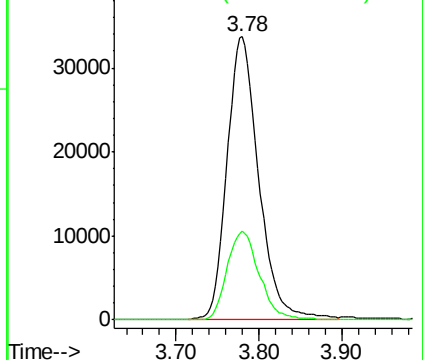
43 100

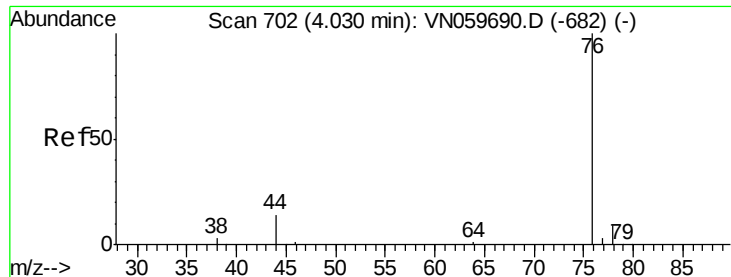
58 31.2 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

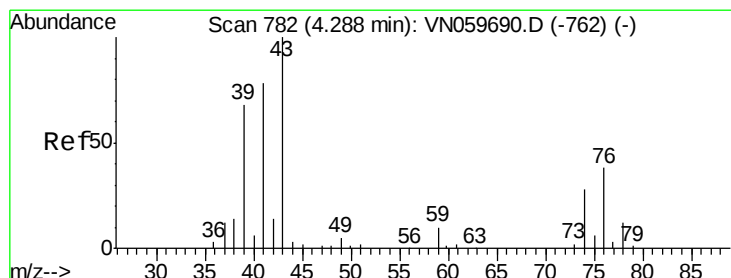
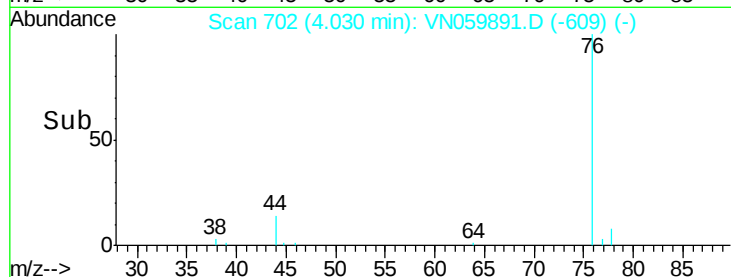
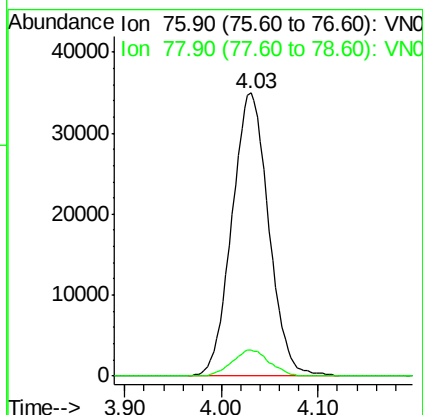
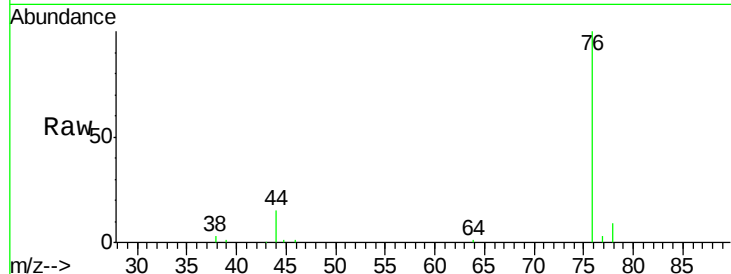




#17
Carbon Disulfide
Concen: 17.62 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

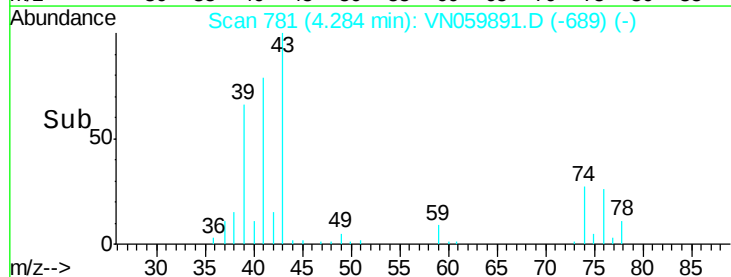
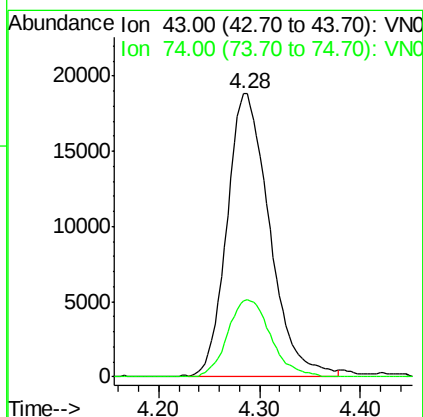
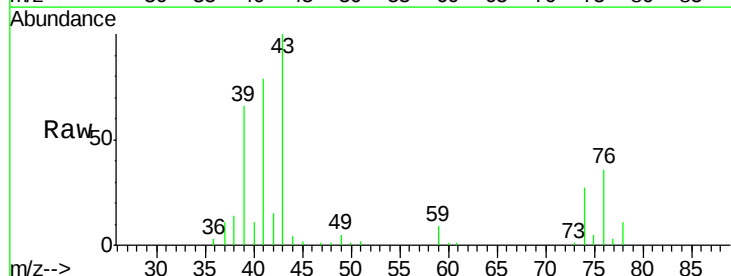
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

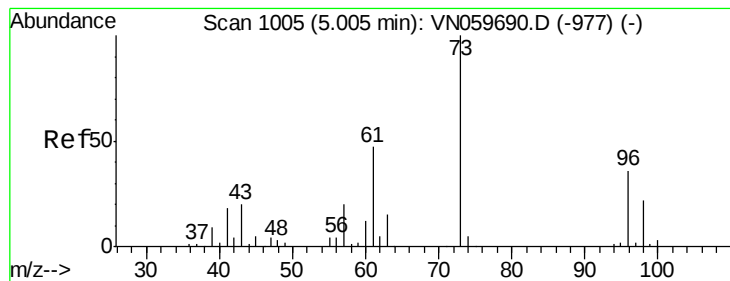
Tgt Ion: 76 Resp: 92265
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 21.25 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 43 Resp: 55393
Ion Ratio Lower Upper
43 100
74 27.4 17.5 26.3#





#19

Methyl tert-butyl Ether

Concen: 21.89 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

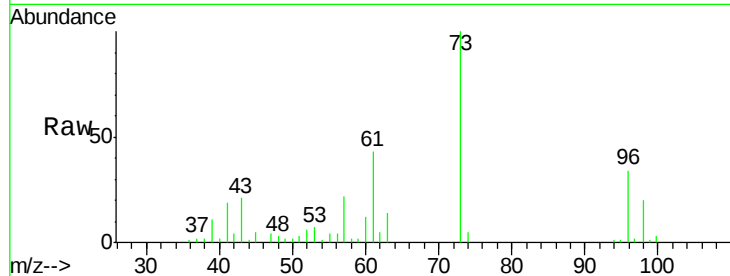
VN0128WBS01

Tgt Ion: 73 Resp: 131244

Ion Ratio Lower Upper

73 100

57 21.5 18.6 27.8



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.00

40000

30000

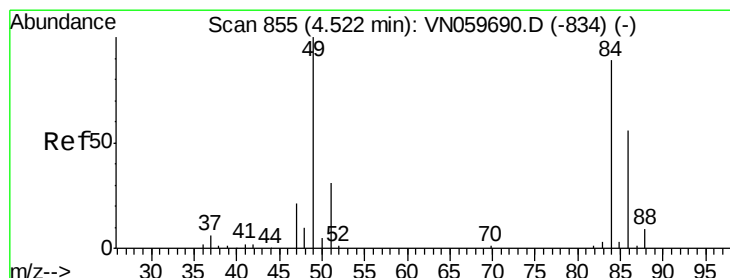
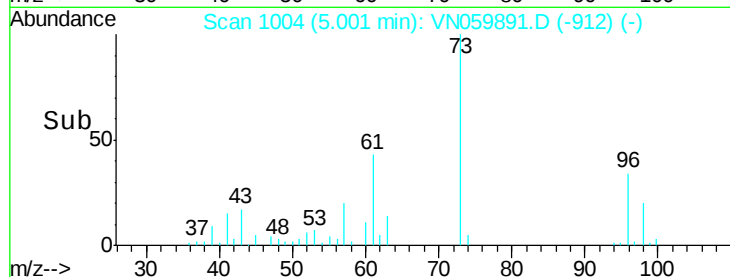
20000

10000

0

Time-->

4.90 5.00 5.10



#20

Methylene Chloride

Concen: 20.72 ug/l

RT: 4.52 min Scan# 854

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion: 84 Resp: 43375

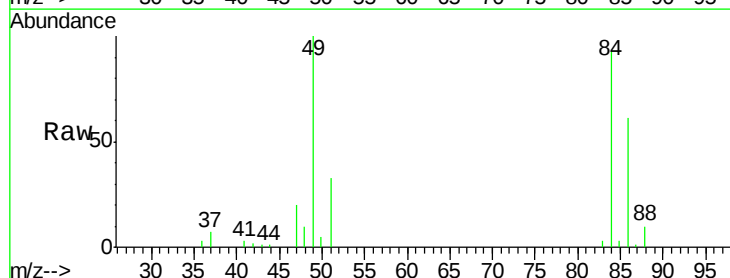
Ion Ratio Lower Upper

84 100

49 107.7 106.6 160.0

51 35.2 31.9 47.9

86 65.8 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

20000

15000

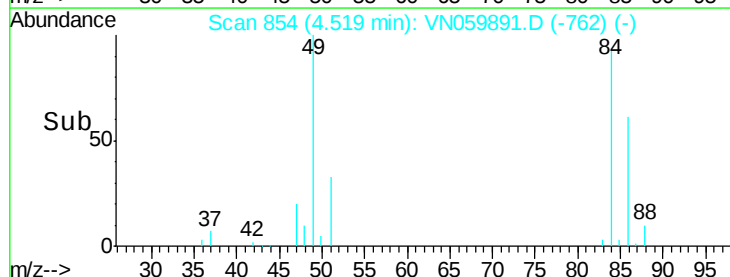
10000

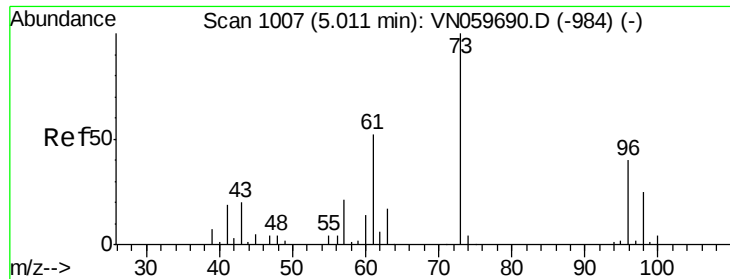
5000

0

Time-->

4.40 4.50 4.60

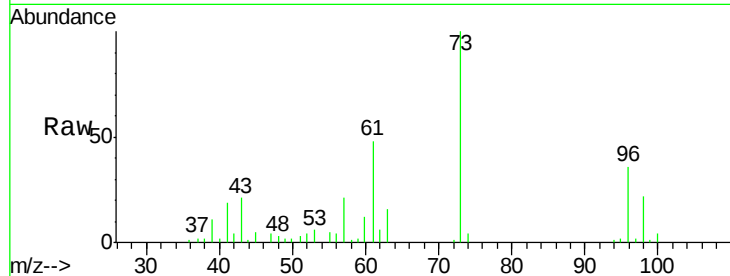




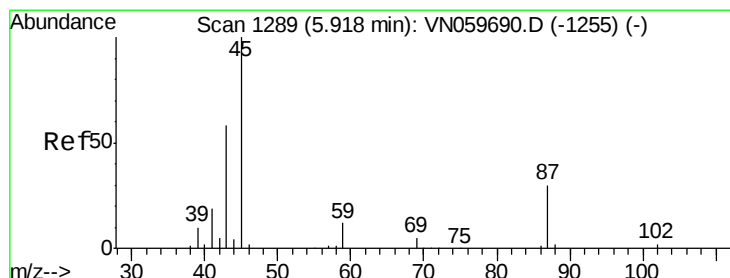
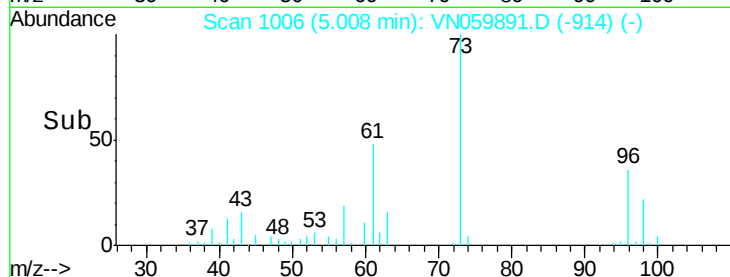
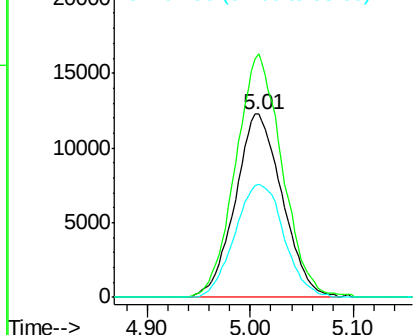
#21
trans-1,2-Dichloroethene
Concen: 19.89 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tgt Ion: 96 Resp: 38871
Ion Ratio Lower Upper
96 100
61 132.9 120.4 180.6
98 62.0 50.6 75.8

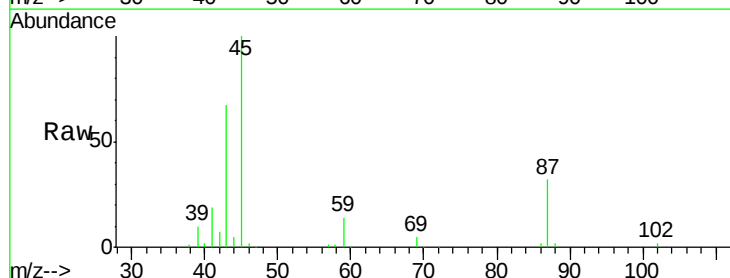


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

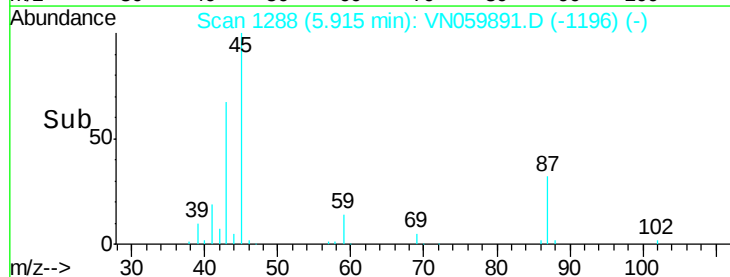
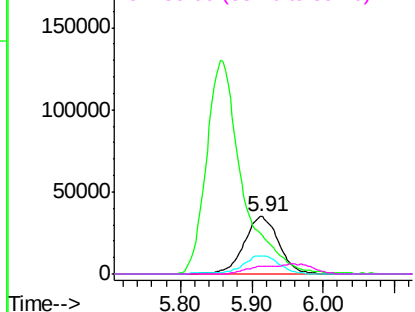


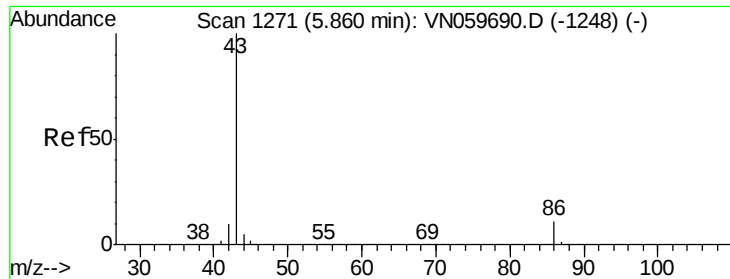
#22
Diisopropyl ether
Concen: 21.02 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 45 Resp: 118051
Ion Ratio Lower Upper
45 100
43 65.2 50.8 76.2
87 31.7 21.0 31.6#
59 14.0 9.1 13.7#



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 103.94 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

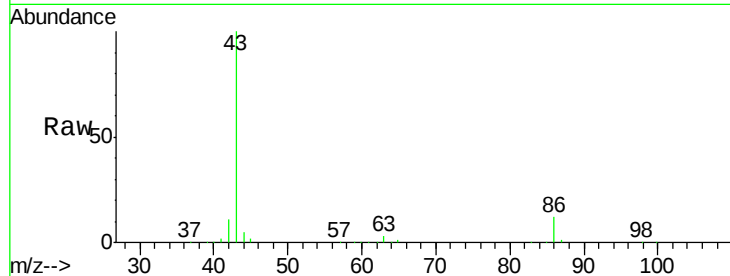
VN0128WBS01

Tgt Ion: 43 Resp: 451954

Ion Ratio Lower Upper

43 100

86 12.1 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VN059891.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059891.D (-1178) (-)

5.86

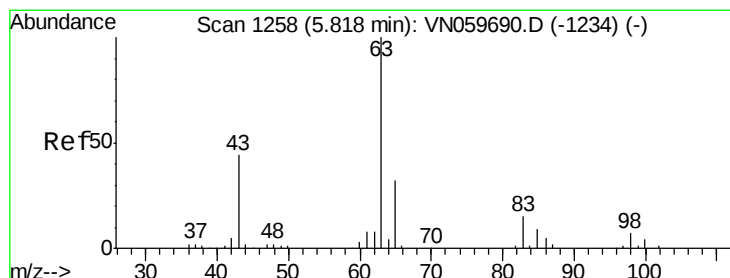
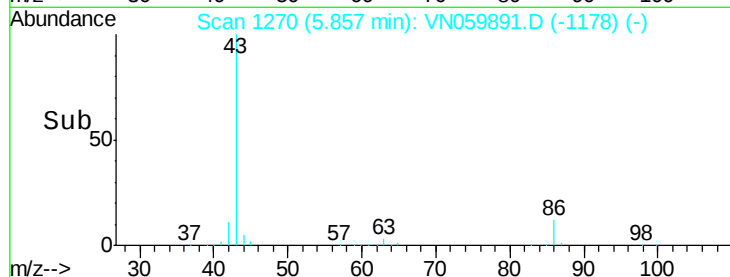
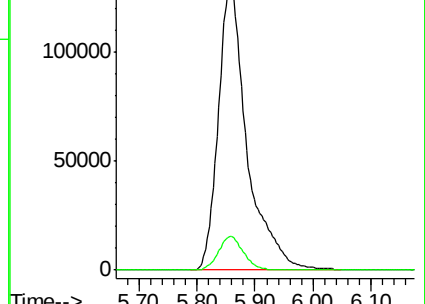
150000

100000

50000

0

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.60 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

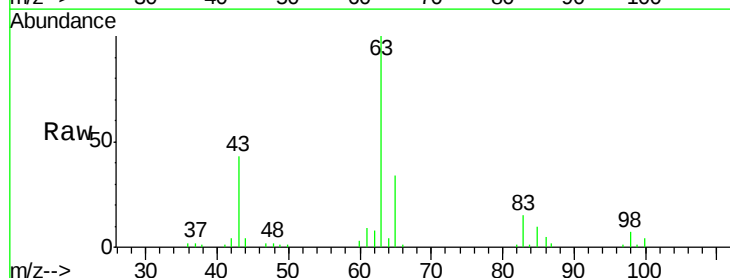
Tgt Ion: 63 Resp: 70681

Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.7

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059891.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059891.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059891.D (-1165) (-)

30000

25000

20000

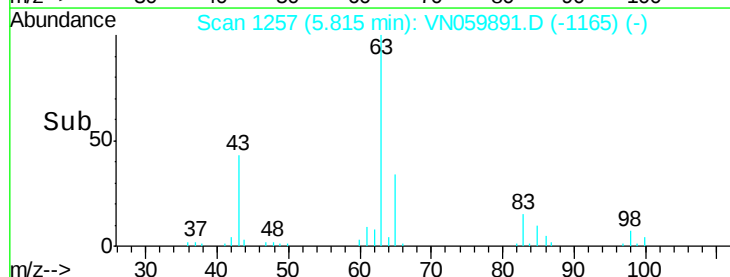
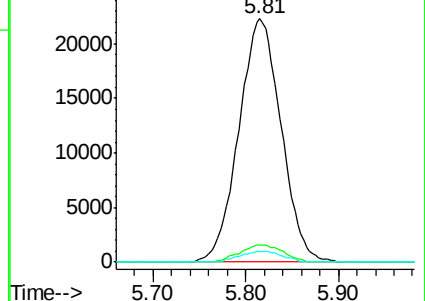
15000

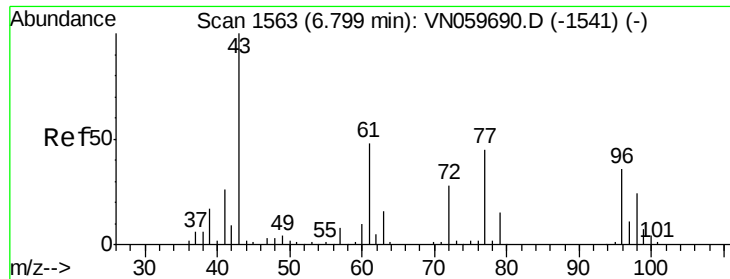
10000

5000

0

5.70 5.80 5.90





#25

2-Butanone

Concen: 96.75 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

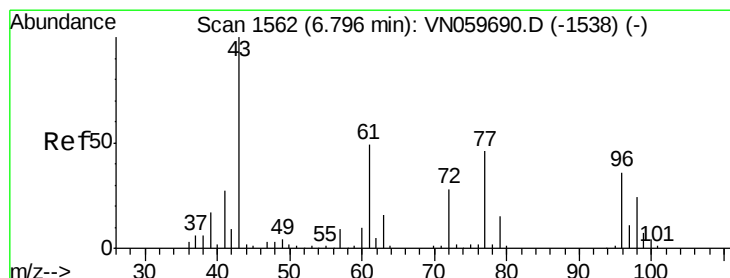
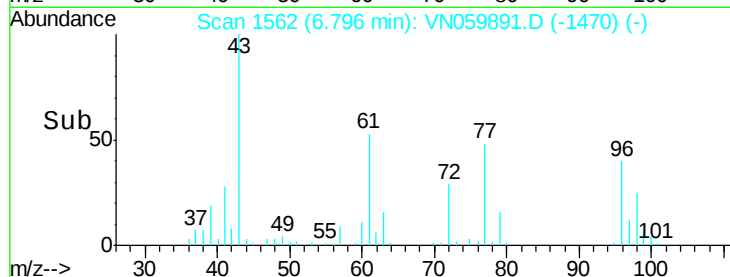
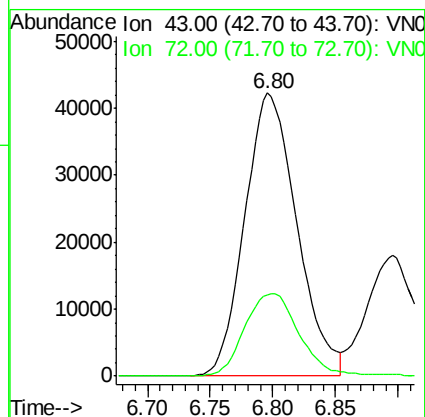
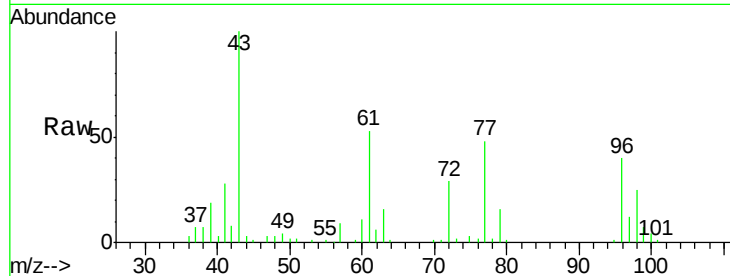
VN0128WBS01

Tgt Ion: 43 Resp: 122275

Ion Ratio Lower Upper

43 100

72 28.8 19.9 29.9



#26

2,2-Dichloropropane

Concen: 20.46 ug/l

RT: 6.79 min Scan# 1560

Delta R.T. -0.01 min

Lab File: VN059891.D

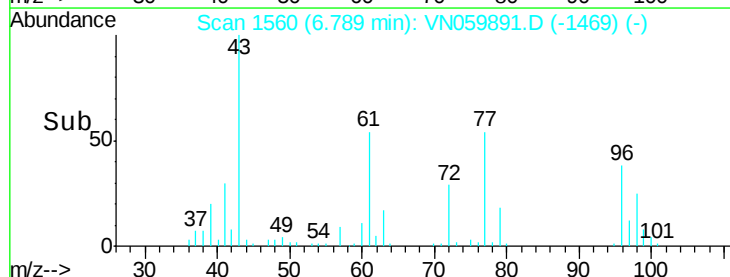
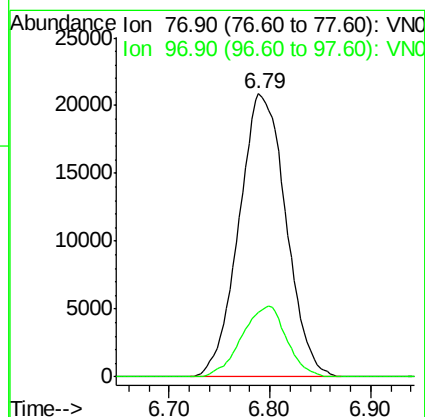
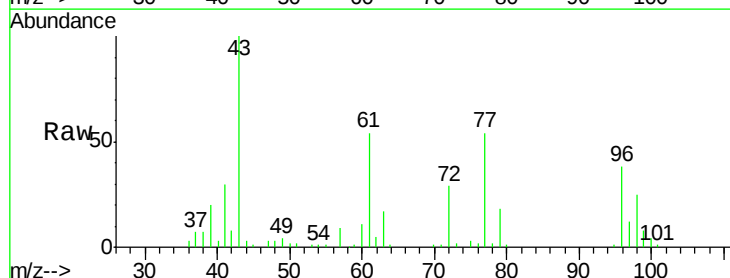
Acq: 28 Jan 2020 12:36

Tgt Ion: 77 Resp: 67514

Ion Ratio Lower Upper

77 100

97 23.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 21.01 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

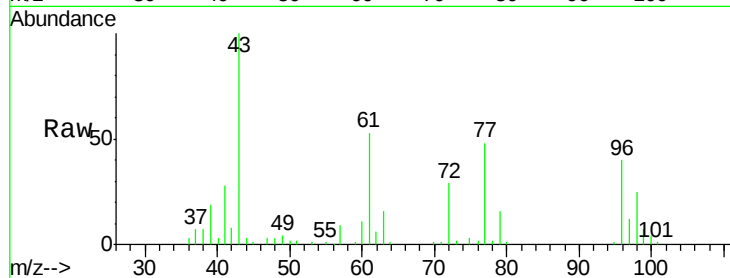
Tgt Ion: 96 Resp: 47238

Ion Ratio Lower Upper

96 100

61 138.2 0.0 317.6

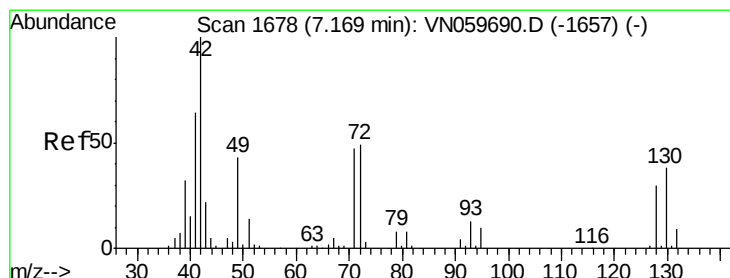
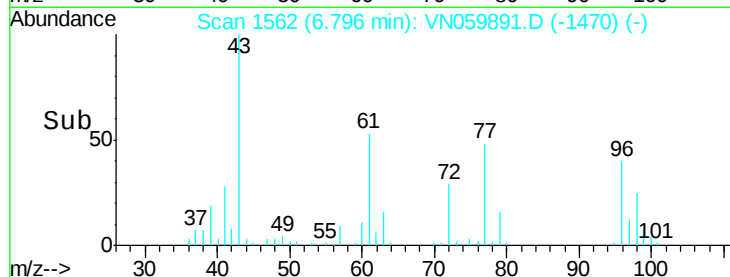
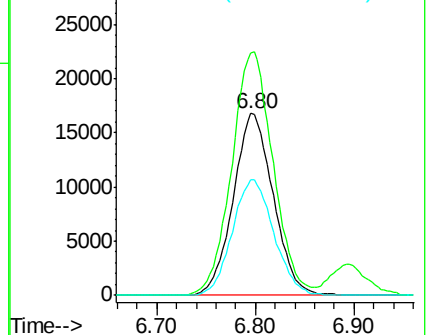
98 65.9 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.54 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

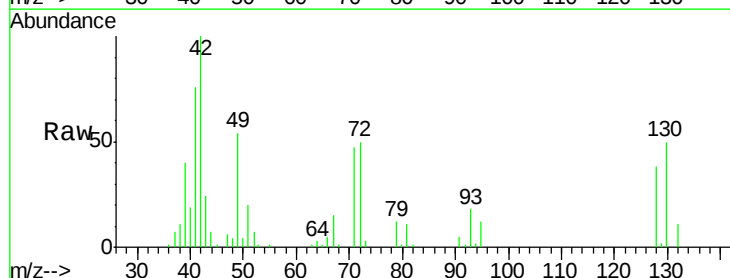
Tgt Ion: 49 Resp: 28171

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

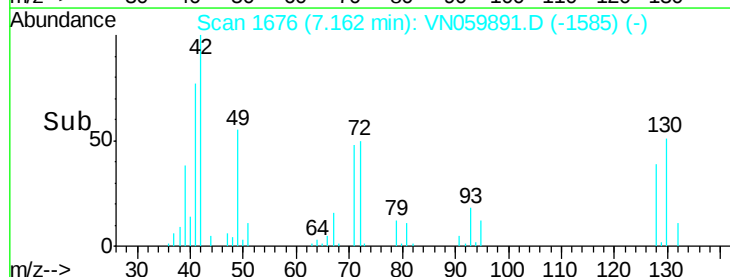
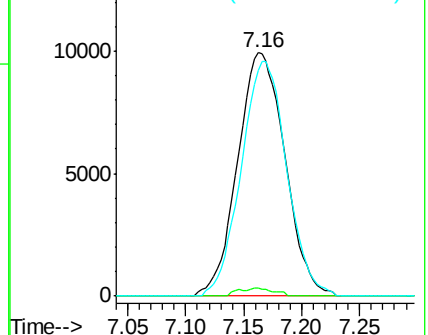
130 92.9 54.7 82.1#

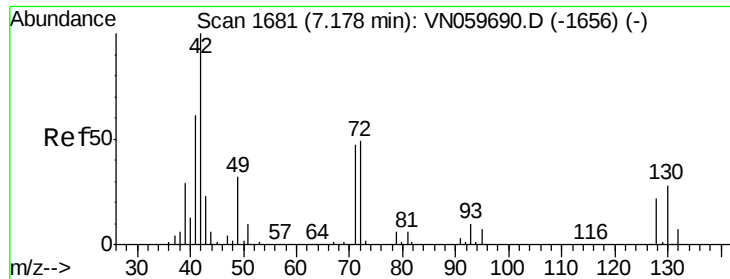


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

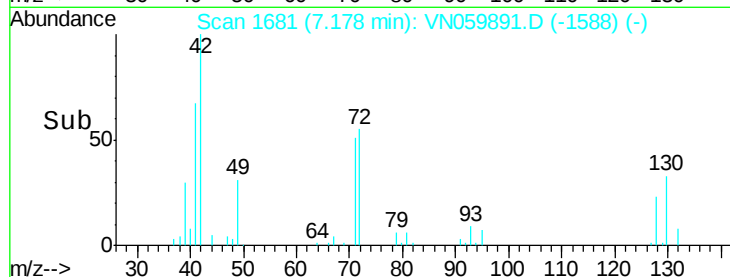
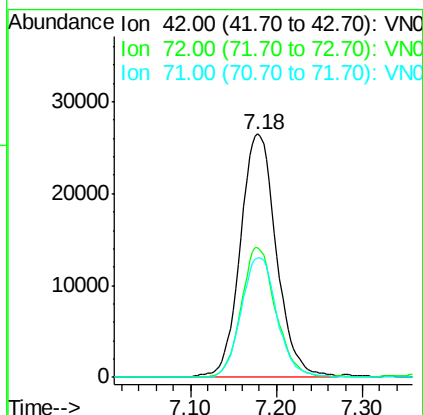
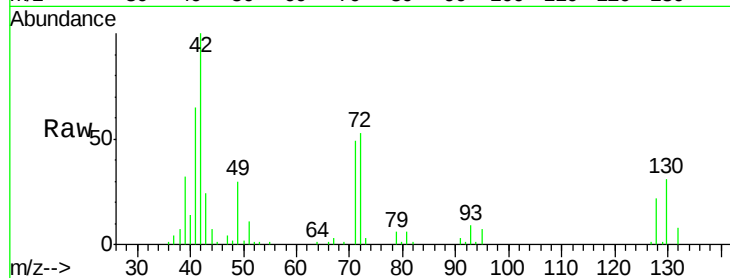




#29
Tetrahydrofuran
Concen: 98.95 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

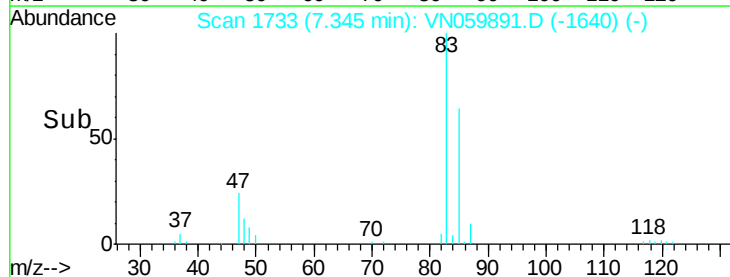
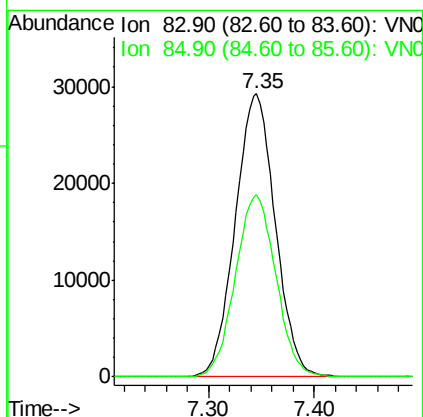
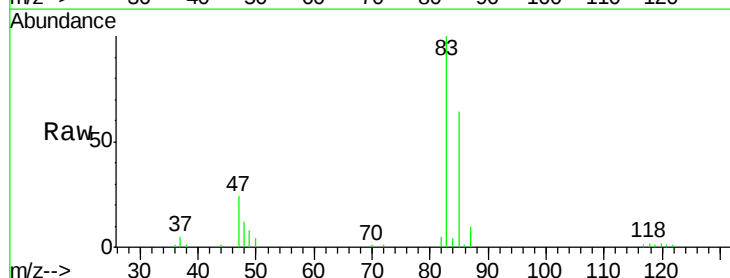
Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

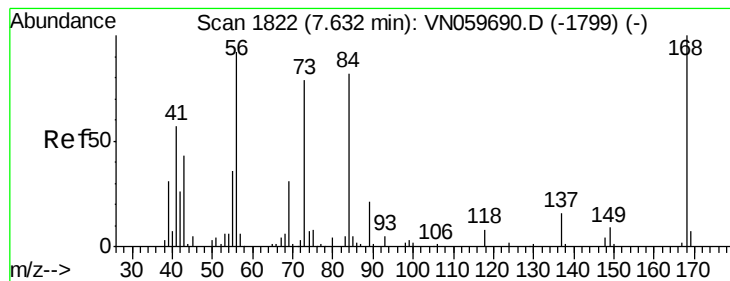
Tgt Ion: 42 Resp: 77378
Ion Ratio Lower Upper
42 100
72 51.0 33.1 49.7#
71 48.6 31.4 47.0#



#30
Chloroform
Concen: 21.66 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 83 Resp: 77021
Ion Ratio Lower Upper
83 100
85 64.3 52.4 78.6





#31

Cyclohexane

Concen: 18.54 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

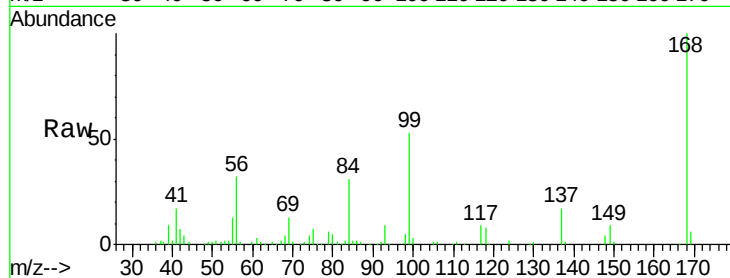
Tgt Ion: 56 Resp: 61212

Ion Ratio Lower Upper

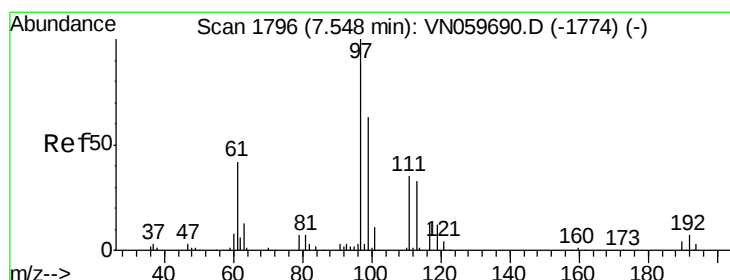
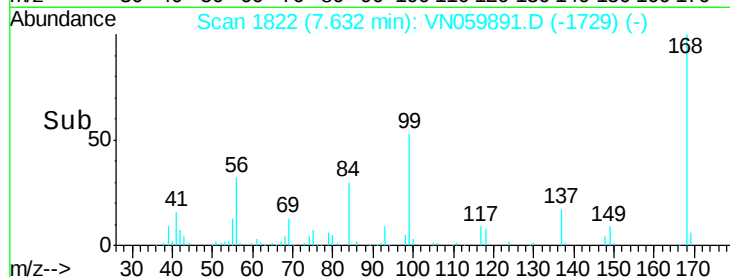
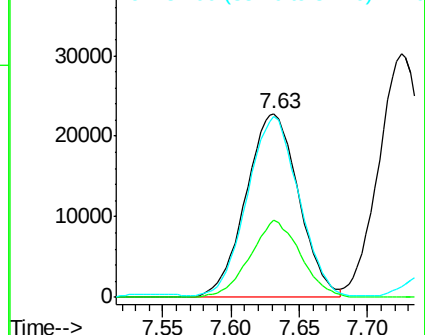
56 100

69 41.7 26.5 39.7#

84 97.3 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.93 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

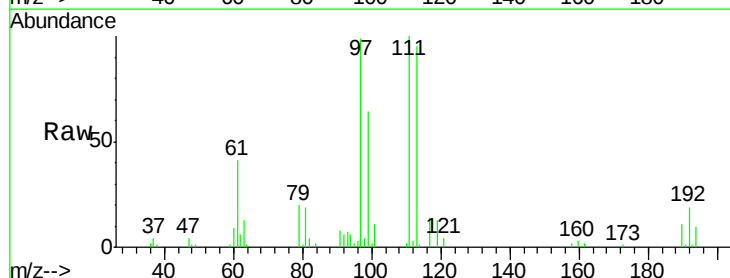
Tgt Ion: 97 Resp: 68804

Ion Ratio Lower Upper

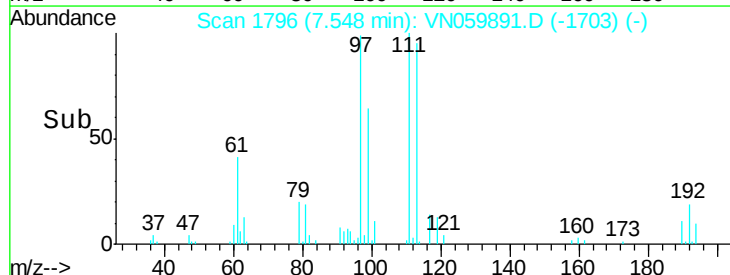
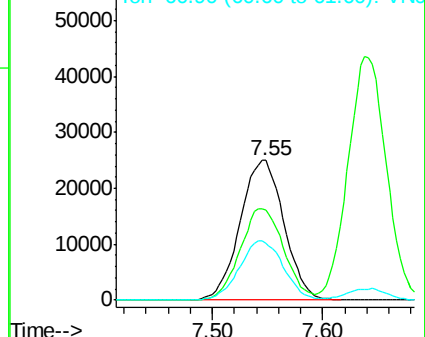
97 100

99 65.2 51.0 76.4

61 42.5 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

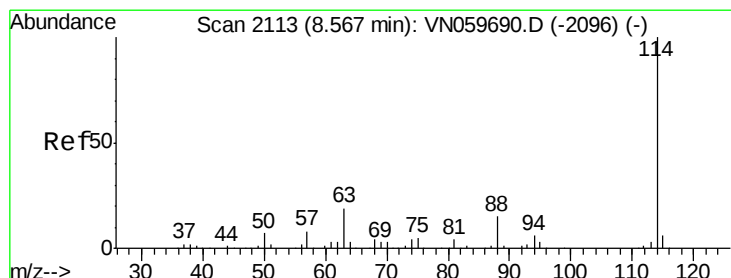
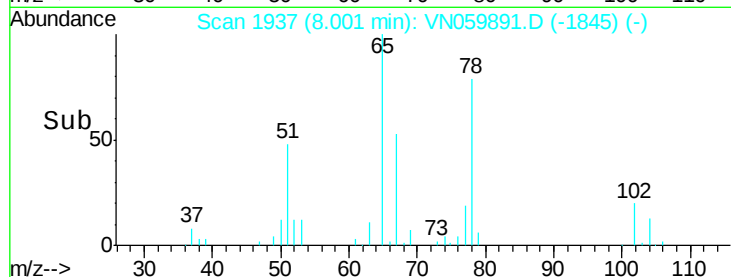
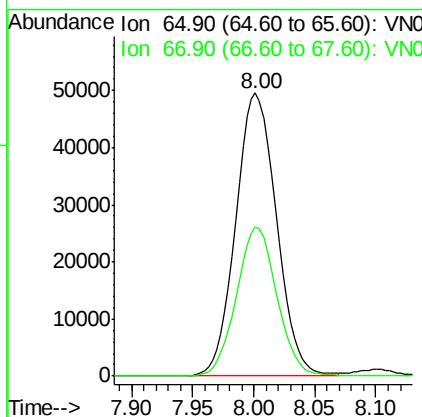
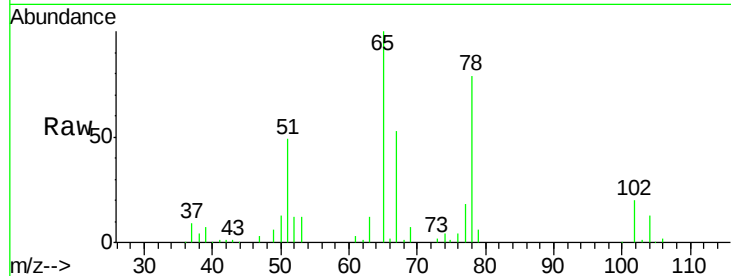




#33
 1,2-Dichloroethane-d4
 Concen: 51.38 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

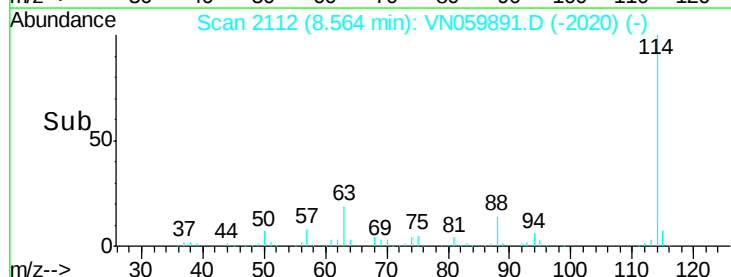
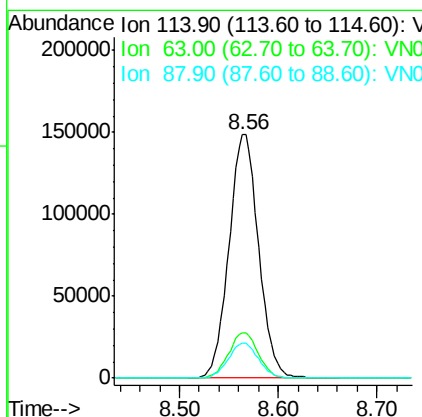
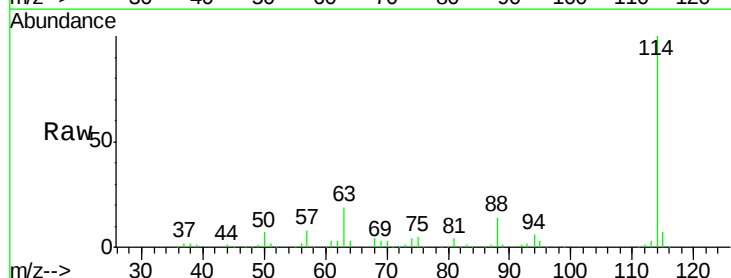
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

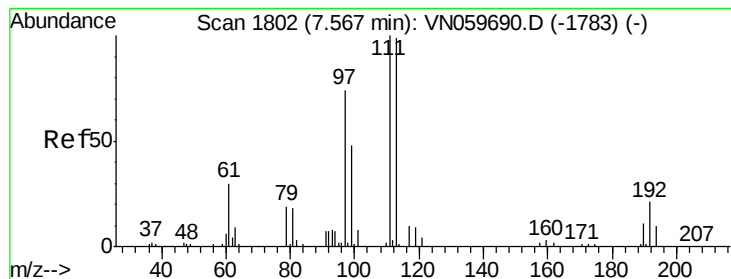
Tgt Ion: 65 Resp: 114675
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion: 114 Resp: 311406
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 43.6
 88 14.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.47 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

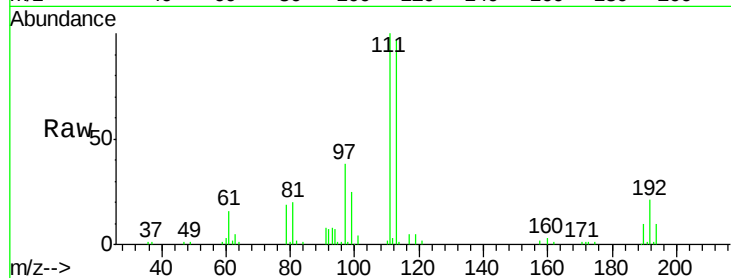
Tgt Ion:113 Resp: 95577

Ion Ratio Lower Upper

113 100

111 104.1 83.5 125.3

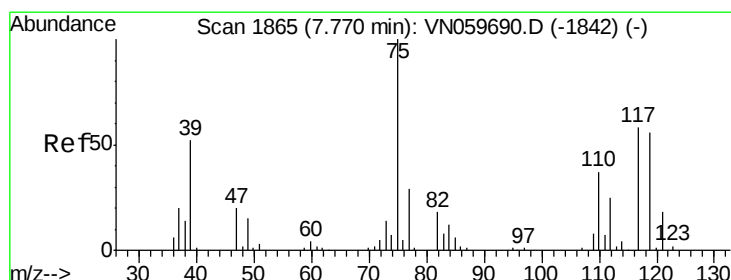
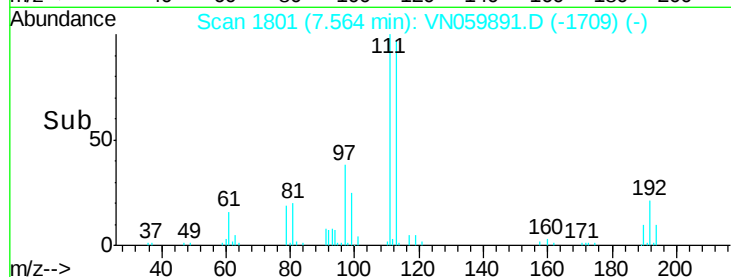
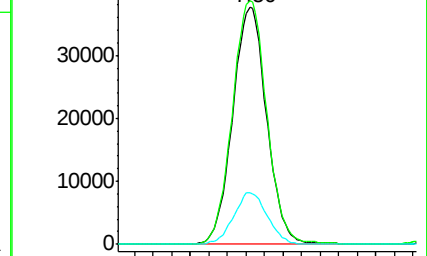
192 21.6 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.09 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

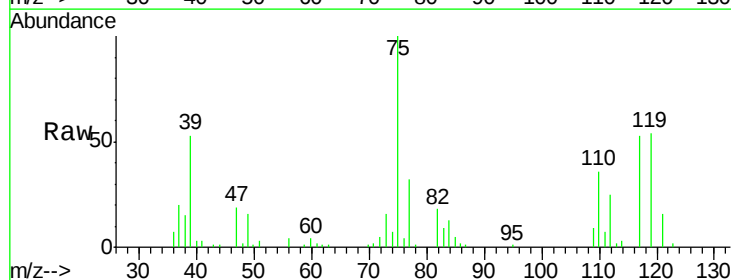
Tgt Ion: 75 Resp: 54468

Ion Ratio Lower Upper

75 100

110 37.0 16.6 49.7

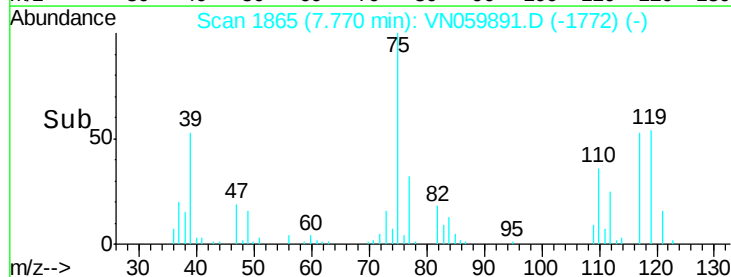
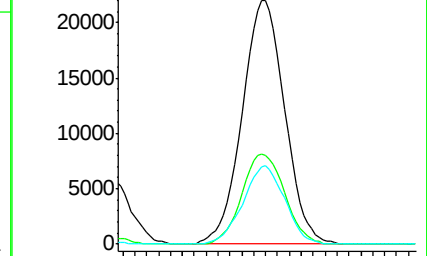
77 31.3 25.1 37.7

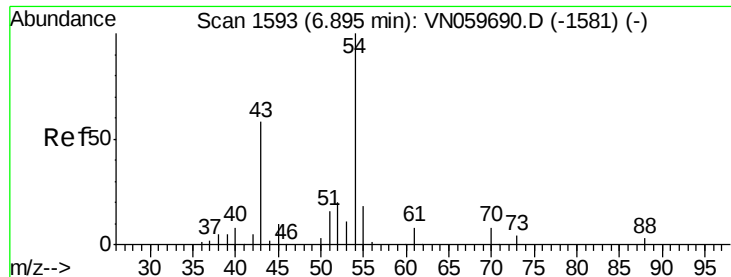


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

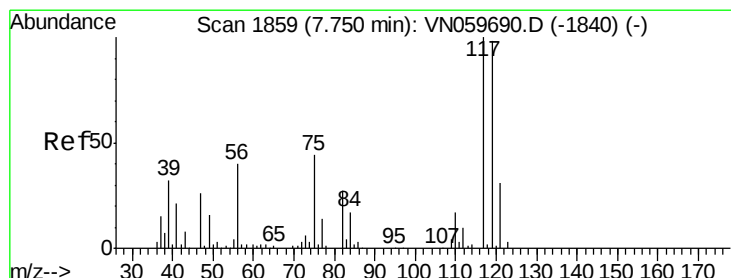
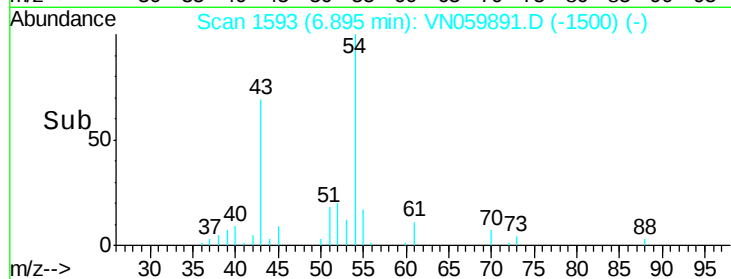
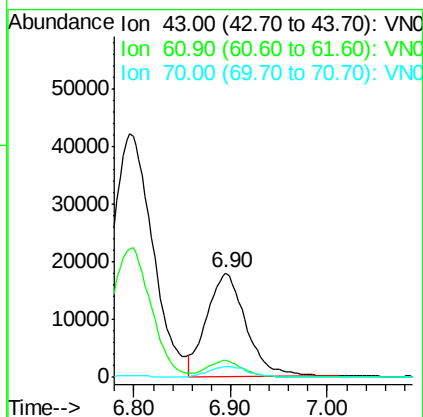
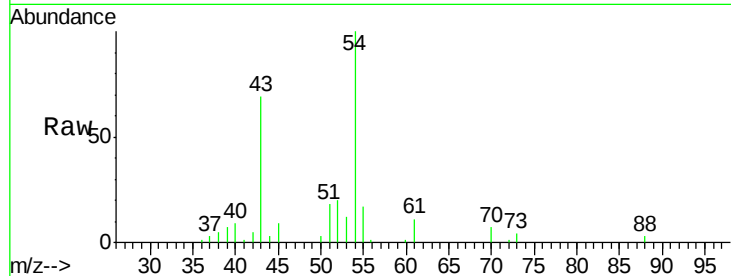




#37
Ethyl Acetate
 Concen: 19.94 ug/l
 RT: 6.90 min Scan# 1593
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

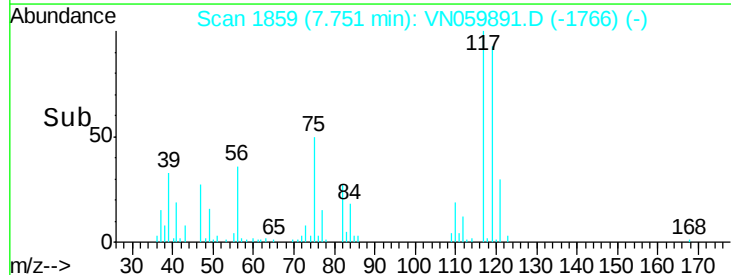
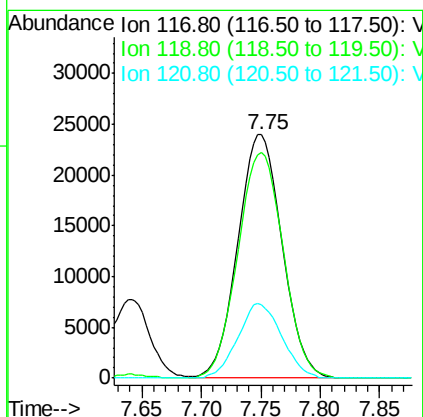
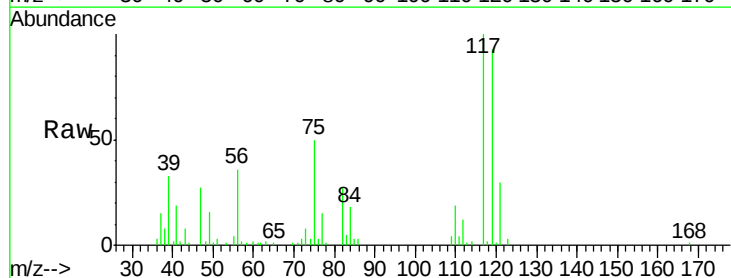
Instrument :
 MSVOA_N
 ClientSampled :
 VN0128WBS01

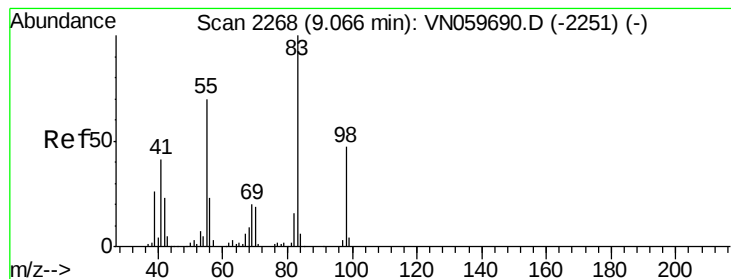
Tgt Ion: 43 Resp: 50711
 Ion Ratio Lower Upper
 43 100
 61 14.9 10.9 16.3
 70 10.6 7.7 11.5



#38
Carbon Tetrachloride
 Concen: 21.01 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion: 117 Resp: 61985
 Ion Ratio Lower Upper
 117 100
 119 92.7 76.5 114.7
 121 30.2 25.1 37.7





#39

Methylcyclohexane

Concen: 19.38 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

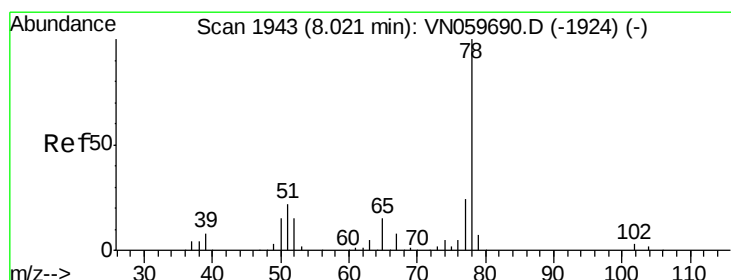
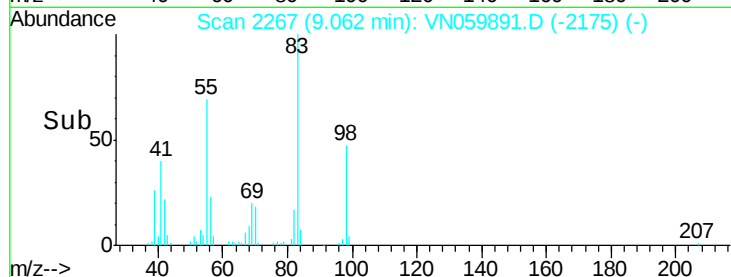
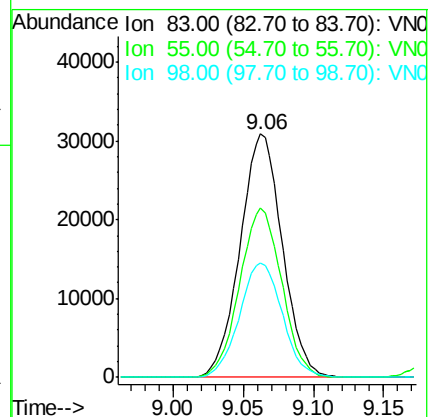
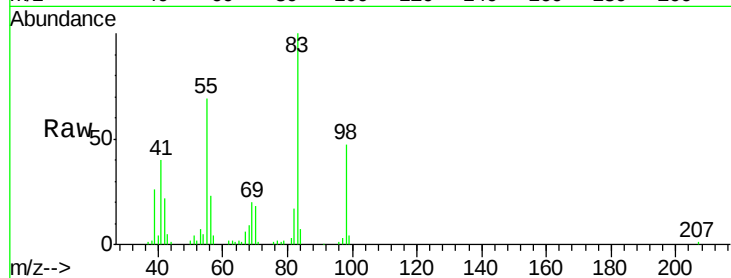
Tgt Ion: 83 Resp: 64793

Ion Ratio Lower Upper

83 100

55 69.3 64.2 96.2

98 47.0 35.9 53.9



#40

Benzene

Concen: 20.39 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN059891.D

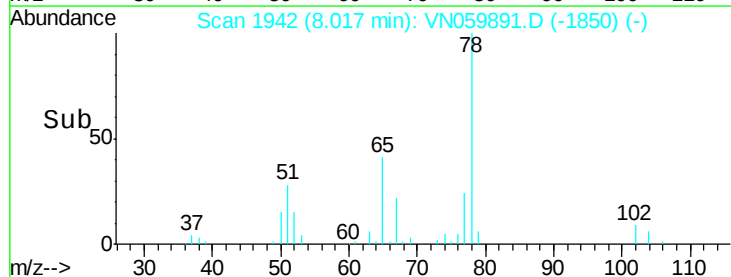
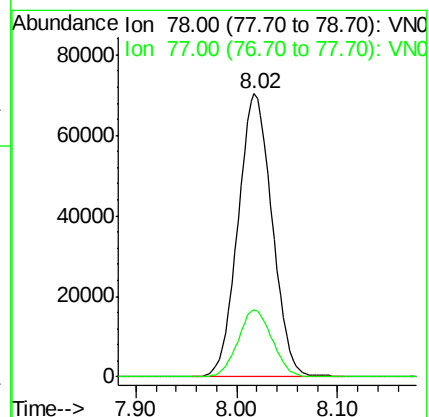
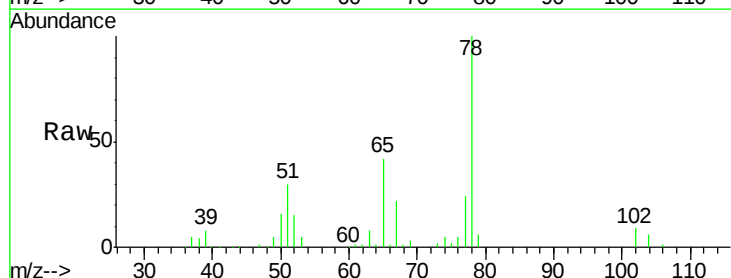
Acq: 28 Jan 2020 12:36

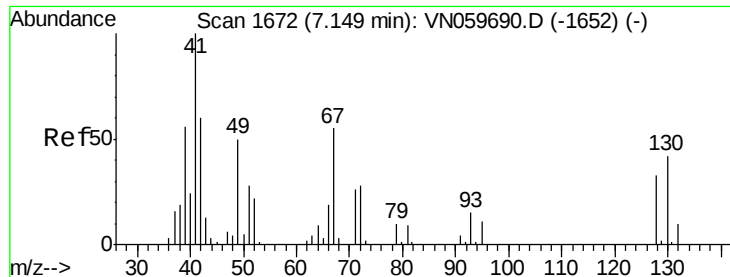
Tgt Ion: 78 Resp: 164872

Ion Ratio Lower Upper

78 100

77 23.9 18.9 28.3

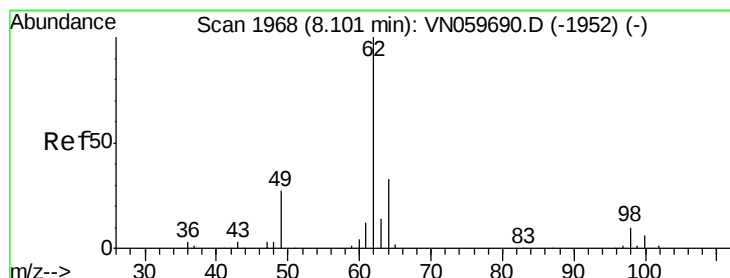
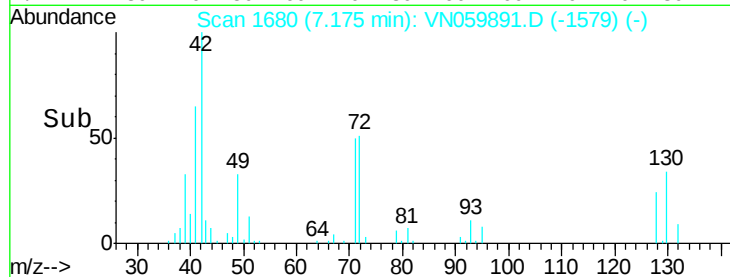
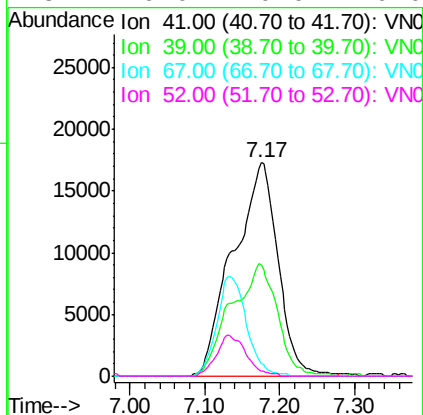
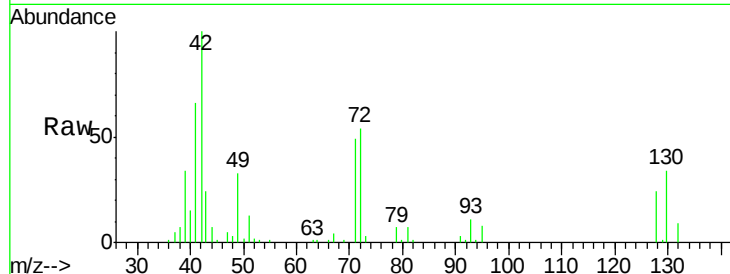




#41
Methacrylonitrile
Concen: 57.39 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

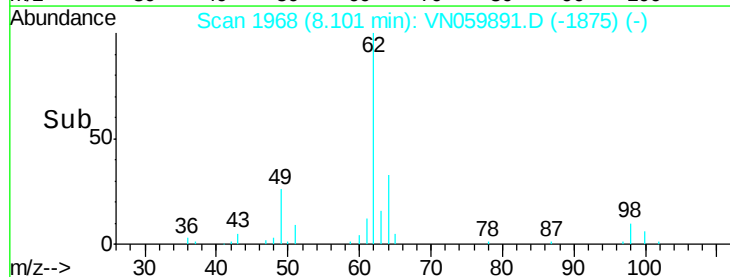
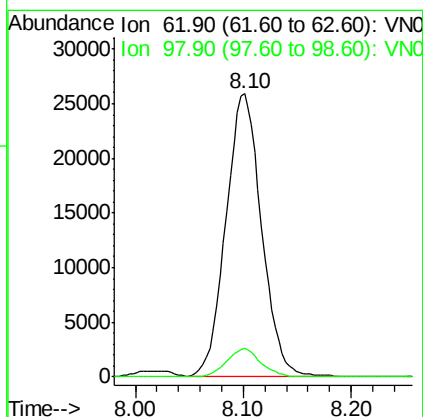
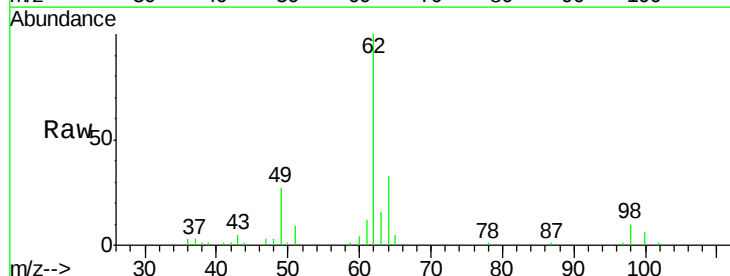
Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

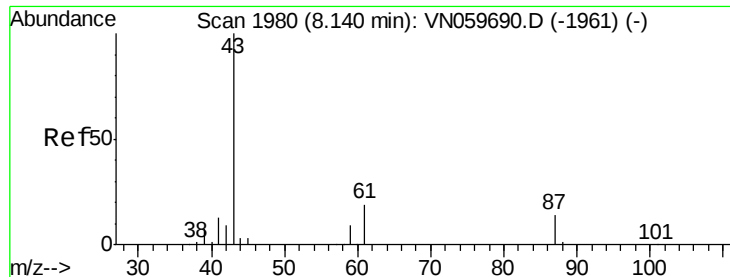
Tgt Ion:	41	Resp:	71896
Ion	Ratio	Lower	Upper
41	100		
39	54.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 21.83 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion:	62	Resp:	59857
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.76 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

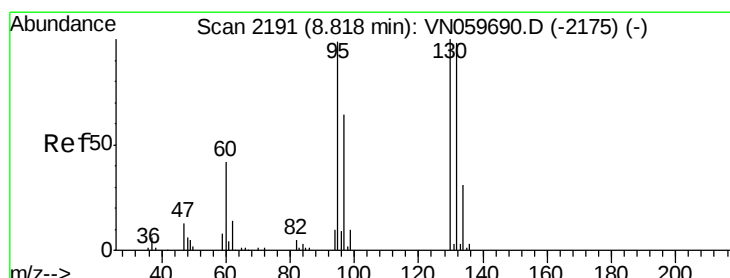
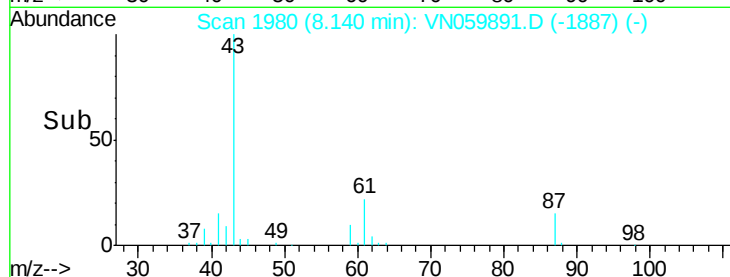
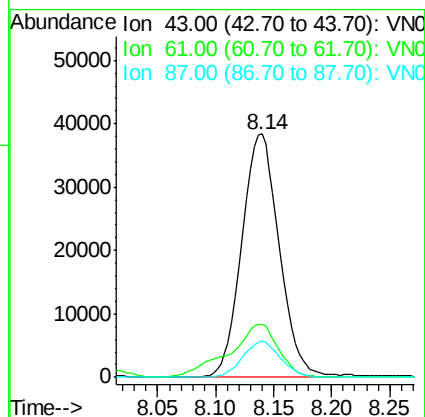
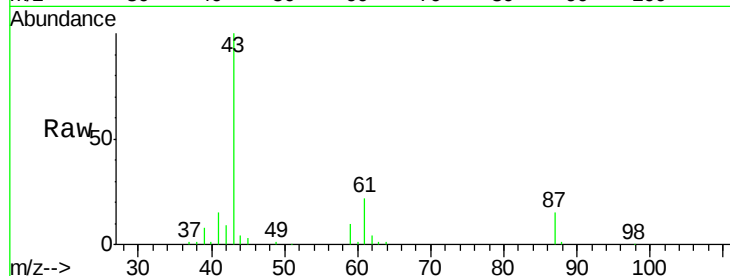
Tgt Ion: 43 Resp: 86432

Ion Ratio Lower Upper

43 100

61 28.7 20.2 30.2

87 14.8 9.5 14.3#



#44

Trichloroethene

Concen: 21.98 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059891.D

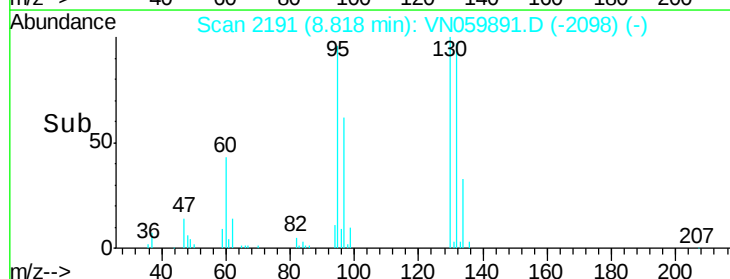
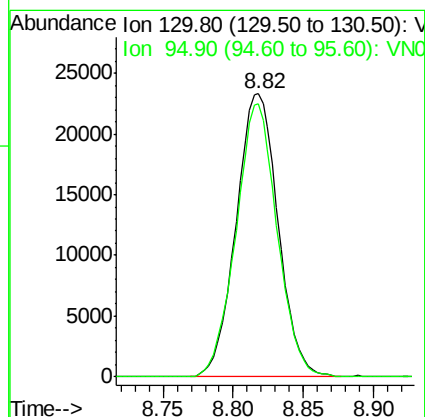
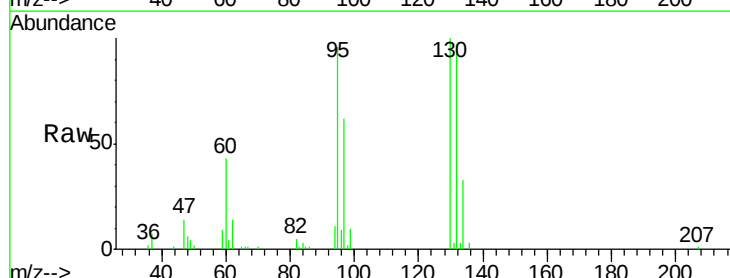
Acq: 28 Jan 2020 12:36

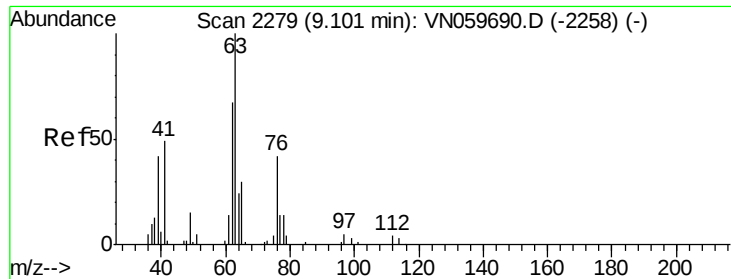
Tgt Ion:130 Resp: 48524

Ion Ratio Lower Upper

130 100

95 96.3 0.0 207.0





#45

1,2-Dichloropropane

Concen: 21.22 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

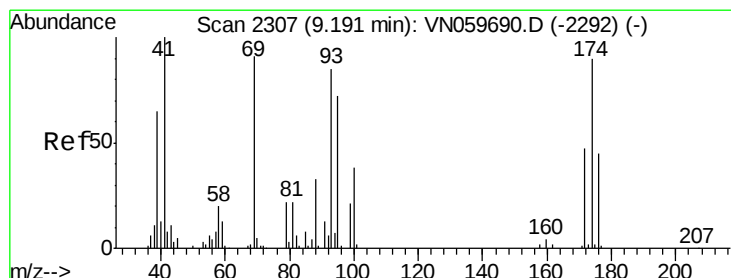
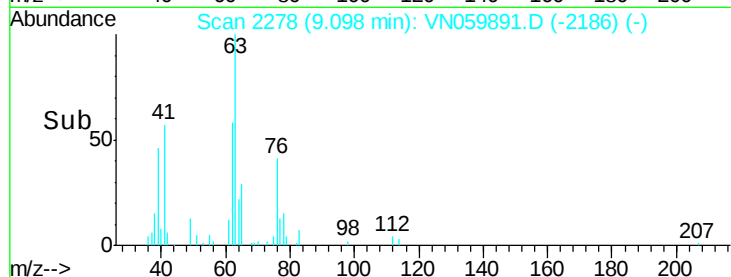
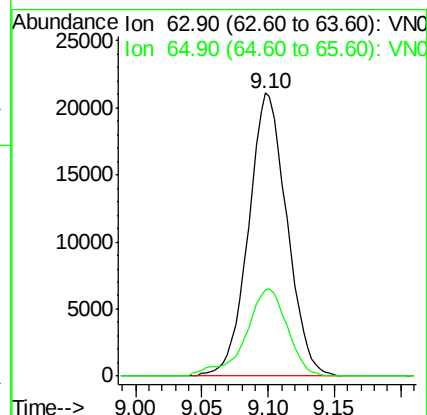
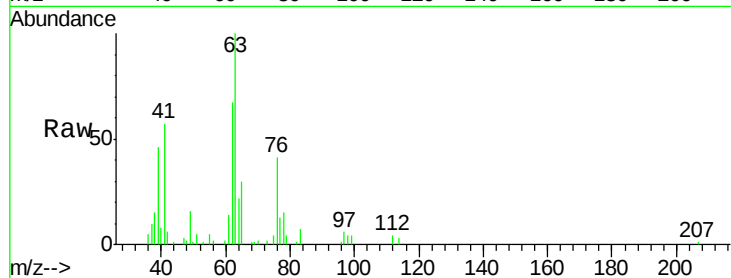
VN0128WBS01

Tgt Ion: 63 Resp: 42458

Ion Ratio Lower Upper

63 100

65 30.4 24.9 37.3



#46

Dibromomethane

Concen: 21.88 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

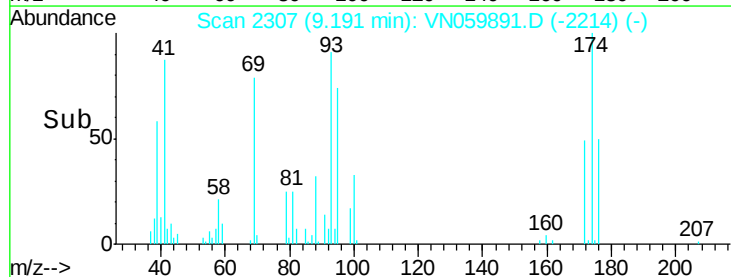
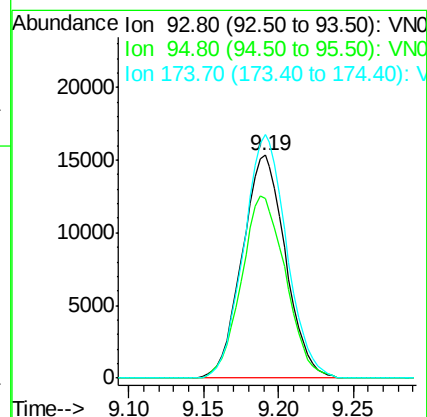
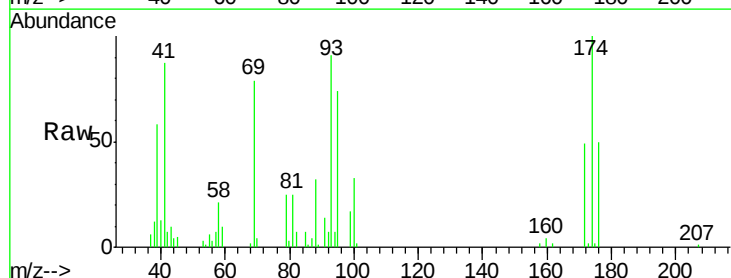
Tgt Ion: 93 Resp: 30889

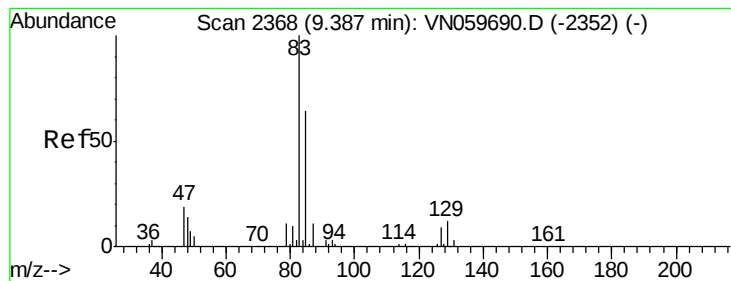
Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.6

174 108.0 73.4 110.2





#47

Bromodichloromethane

Concen: 21.74 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

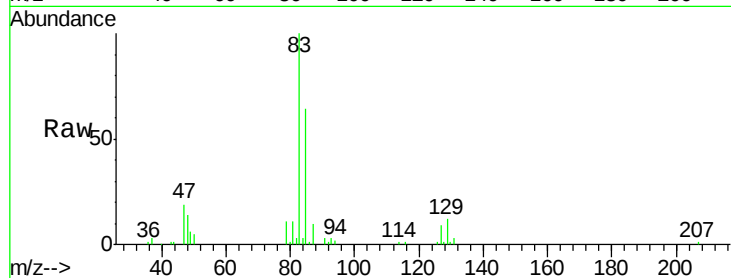
Tgt Ion: 83 Resp: 61853

Ion Ratio Lower Upper

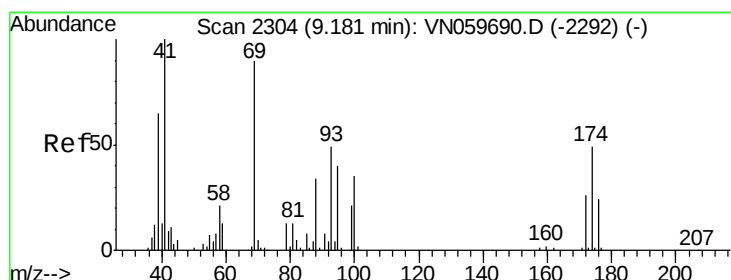
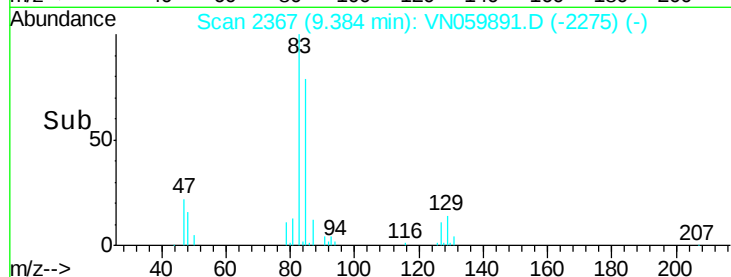
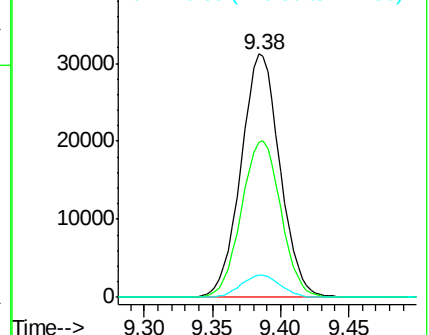
83 100

85 63.5 51.1 76.7

127 9.0 6.6 9.8



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: 19.43 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

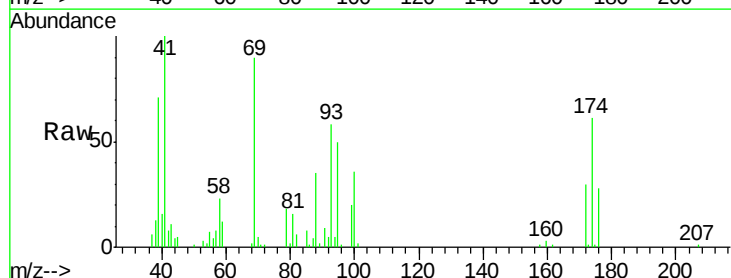
Tgt Ion: 41 Resp: 38021

Ion Ratio Lower Upper

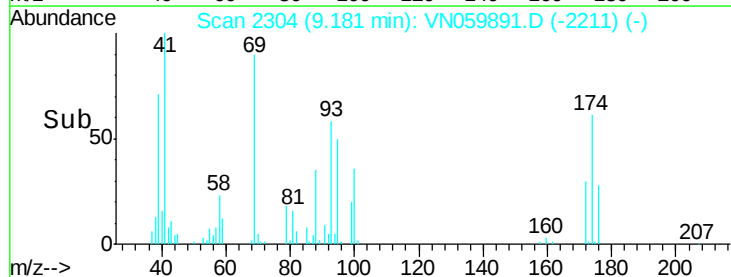
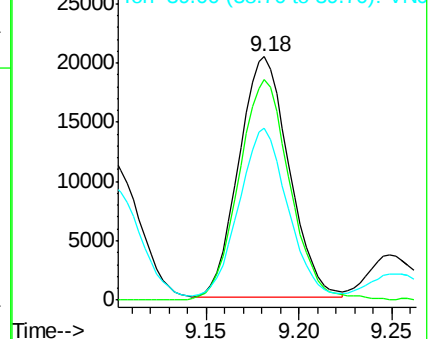
41 100

69 93.7 64.4 96.6

39 71.0 51.3 76.9



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

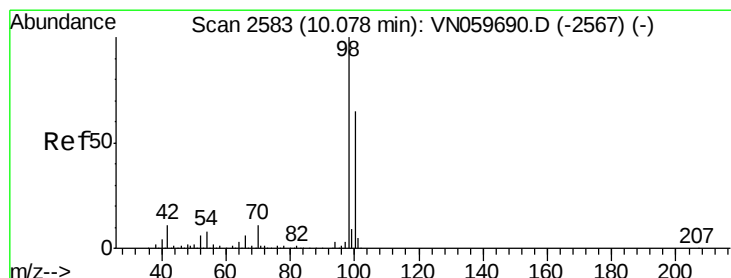
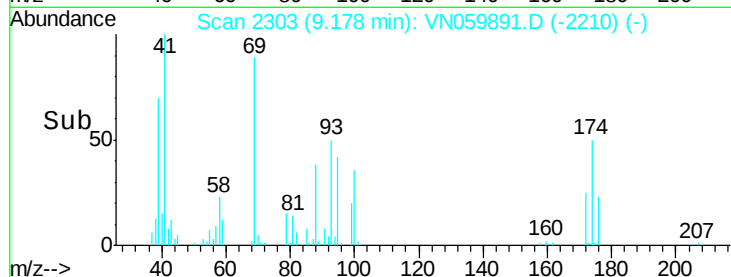
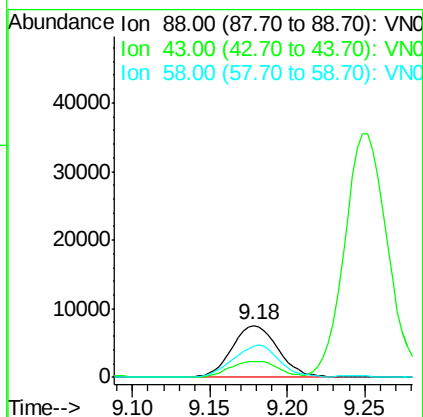
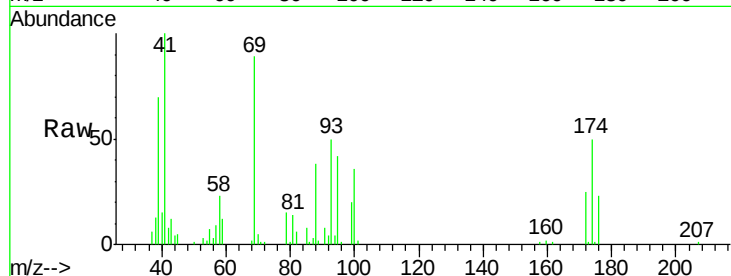




#49
1,4-Dioxane
Concen: 436.76 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

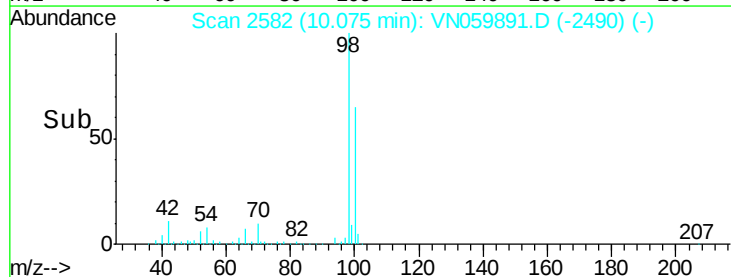
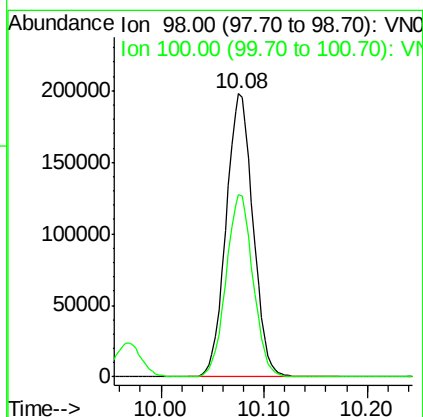
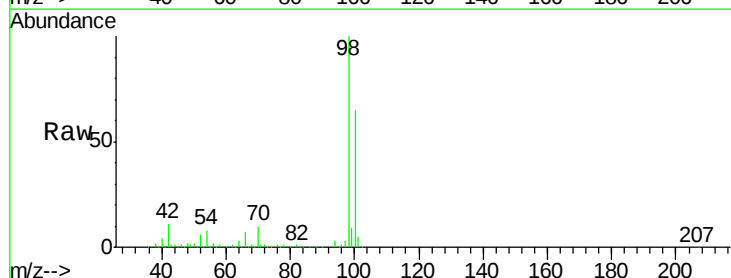
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

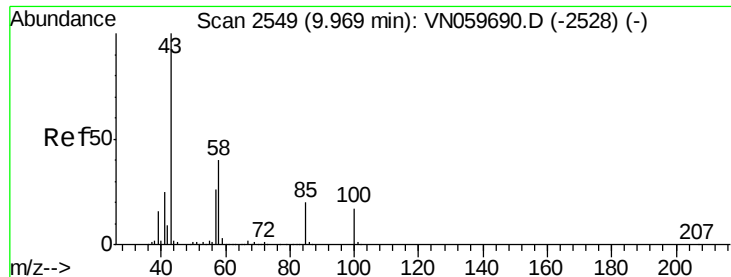
Tgt Ion: 88 Resp: 15646
Ion Ratio Lower Upper
88 100
43 32.6 29.7 44.5
58 62.1 56.6 85.0



#50
Toluene-d8
Concen: 50.18 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 98 Resp: 361088
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

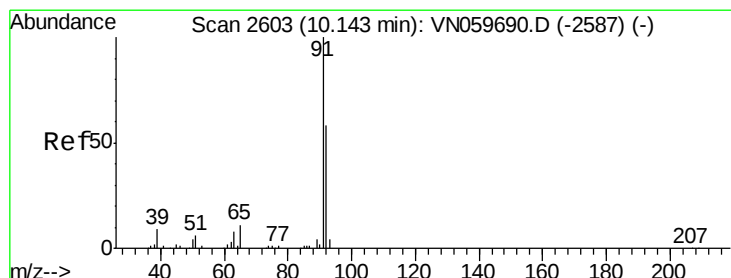
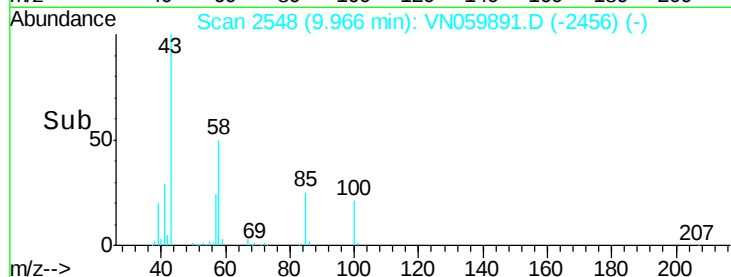
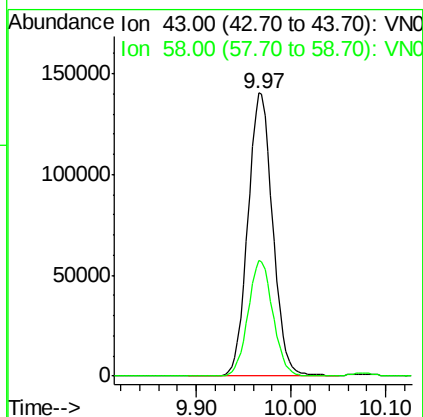
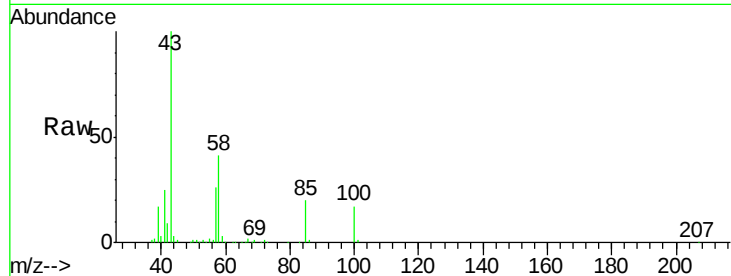




#51
 4-Methyl-2-Pentanone
 Concen: 101.31 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

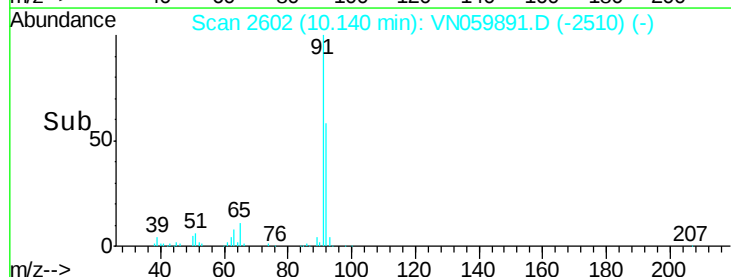
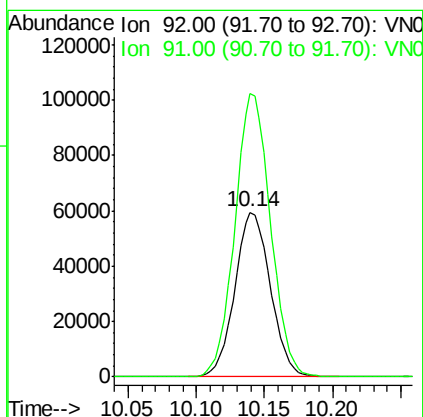
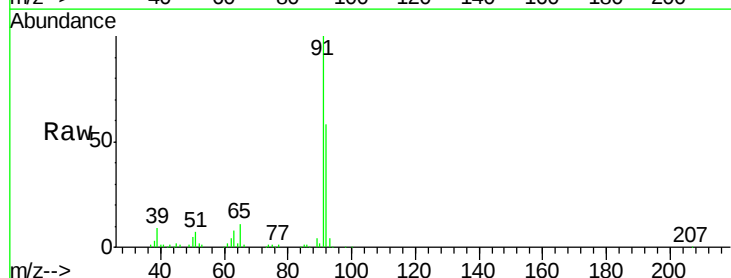
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tgt Ion: 43 Resp: 256223
 Ion Ratio Lower Upper
 43 100
 58 40.7 29.8 44.8



#52
 Toluene
 Concen: 21.01 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion: 92 Resp: 107316
 Ion Ratio Lower Upper
 92 100
 91 172.8 140.4 210.6

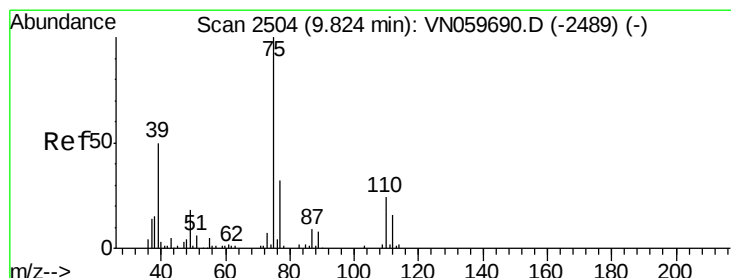
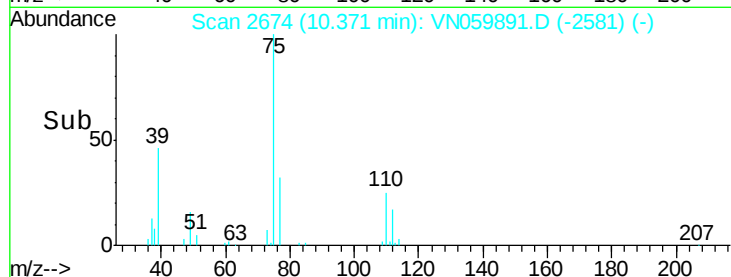
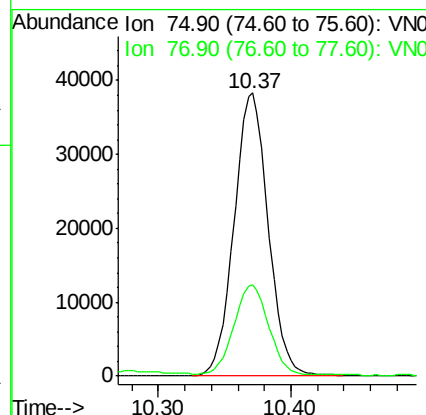
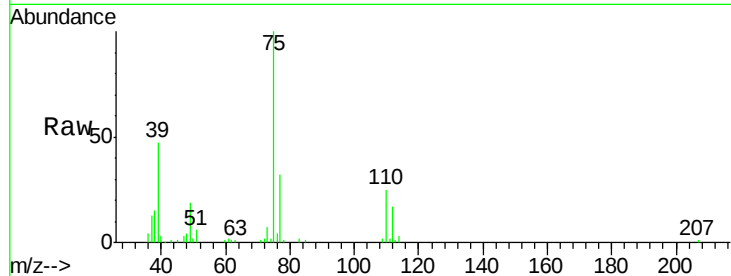




#53
t-1,3-Dichloropropene
Concen: 21.52 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

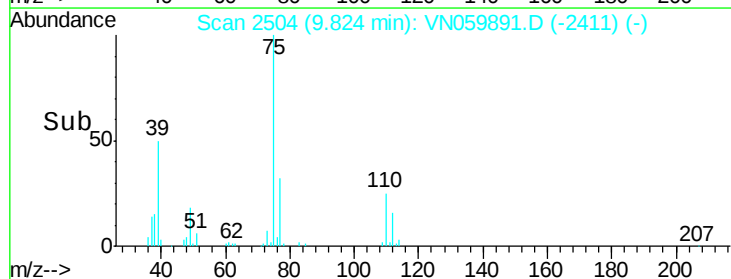
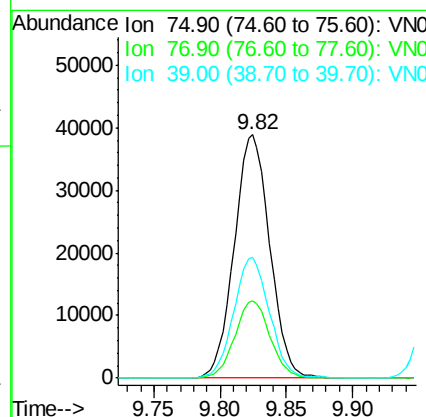
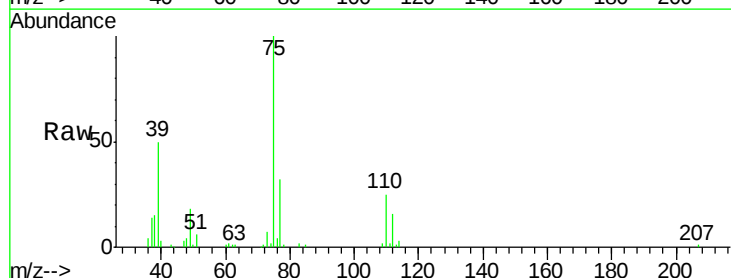
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tgt Ion: 75 Resp: 68360
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 21.65 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 75 Resp: 72360
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 49.6 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 22.19 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tgt Ion: 97 Resp: 44897

Ion	Ratio	Lower	Upper
97	100		
83	83.2	71.3	106.9
85	54.6	45.8	68.8
99	63.8	50.0	75.0

Abundance

Ion 96.90 (96.60 to 97.60): VN059891.D (-2637) (-)

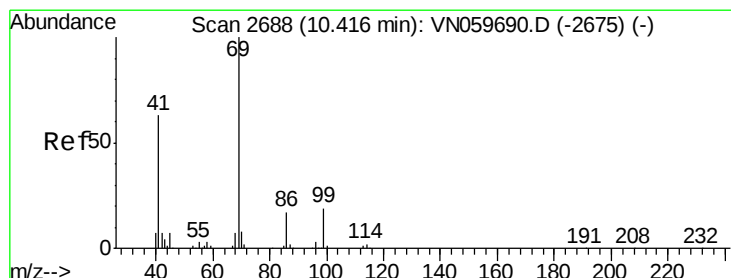
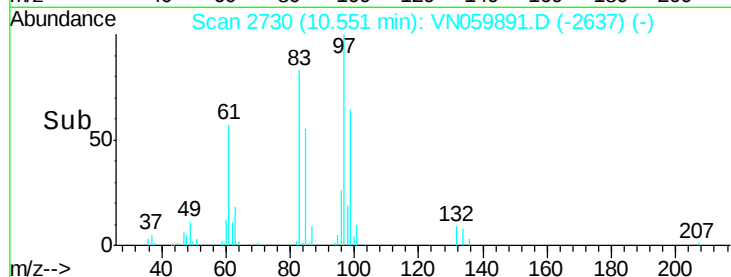
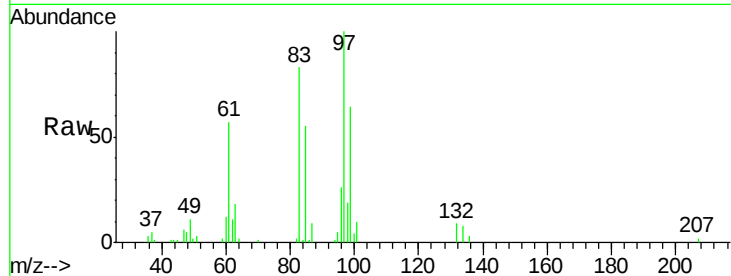
Ion 82.90 (82.60 to 83.60): VN059891.D (-2637) (-)

Ion 84.90 (84.60 to 85.60): VN059891.D (-2637) (-)

Ion 98.90 (98.60 to 99.60): VN059891.D (-2637) (-)

10.55

Time-->



#56

Ethyl methacrylate

Concen: 20.20 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion: 69 Resp: 62459

Ion	Ratio	Lower	Upper
69	100		
41	59.6	57.1	85.7
39	40.7	34.7	52.1

Abundance

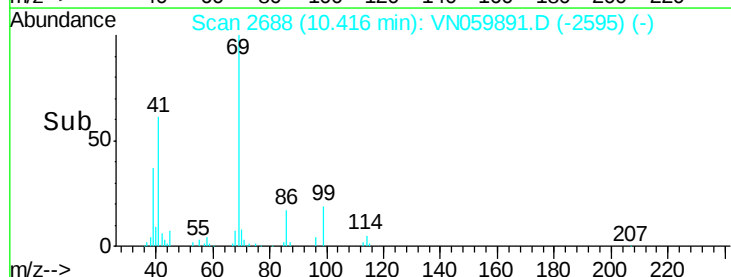
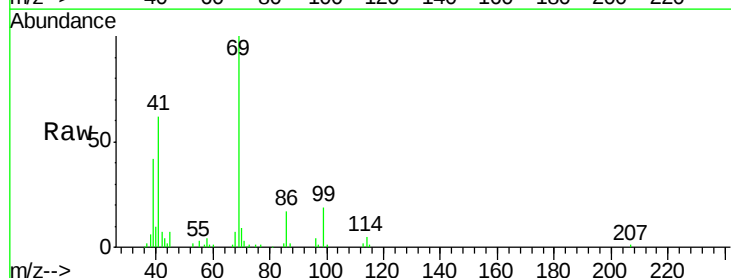
Ion 69.00 (68.70 to 69.70): VN059891.D (-2595) (-)

Ion 41.00 (40.70 to 41.70): VN059891.D (-2595) (-)

Ion 39.00 (38.70 to 39.70): VN059891.D (-2595) (-)

10.42

Time-->





#57

1,3-Dichloropropane

Concen: 21.84 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

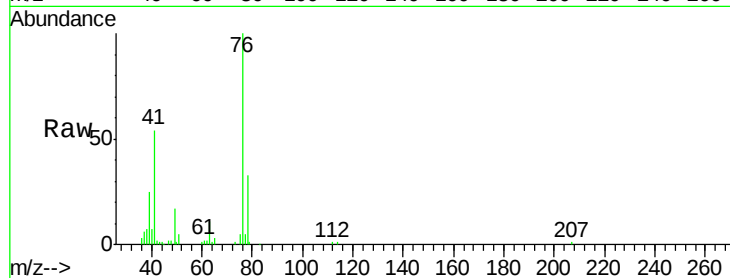
VN0128WBS01

Tgt Ion: 76 Resp: 70149

Ion Ratio Lower Upper

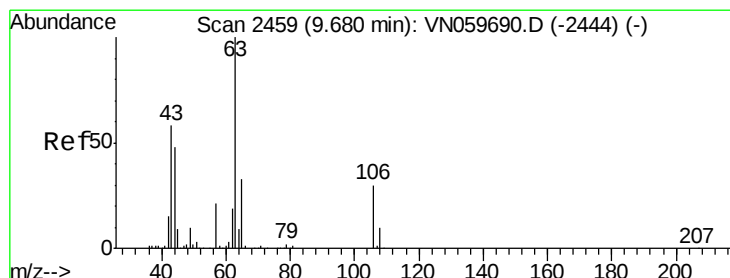
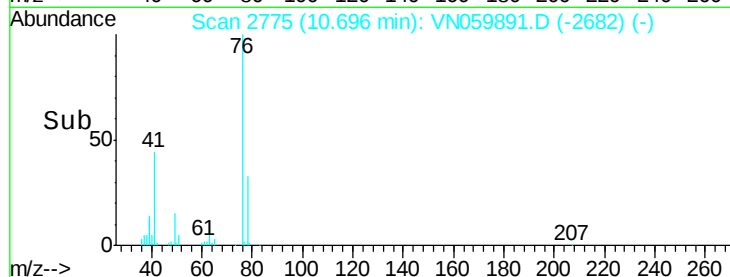
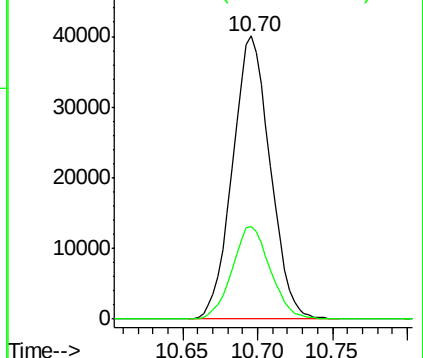
76 100

78 33.1 25.8 38.8



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: 109.79 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059891.D

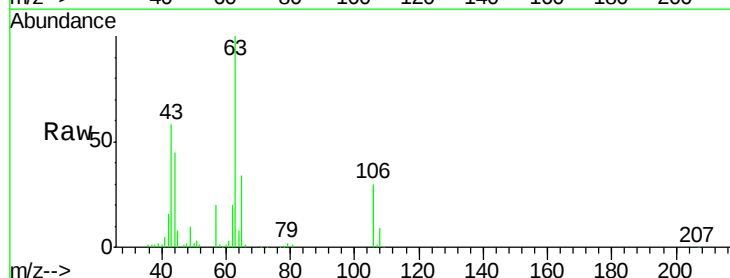
Acq: 28 Jan 2020 12:36

Tgt Ion: 63 Resp: 102233

Ion Ratio Lower Upper

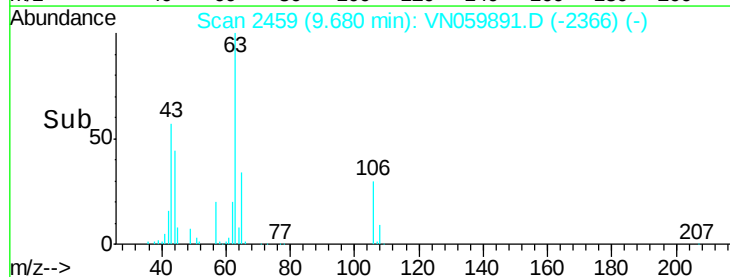
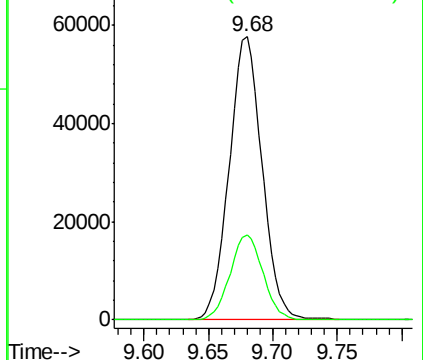
63 100

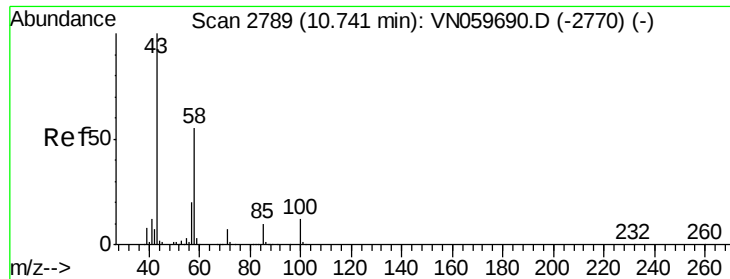
106 30.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

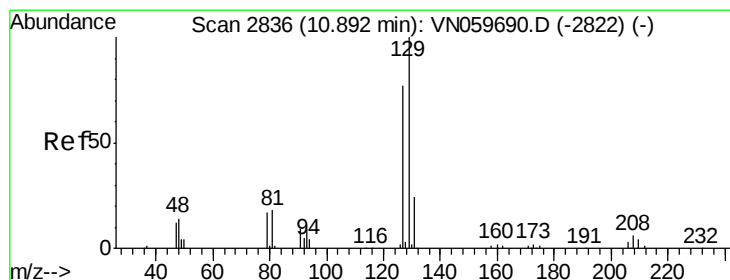
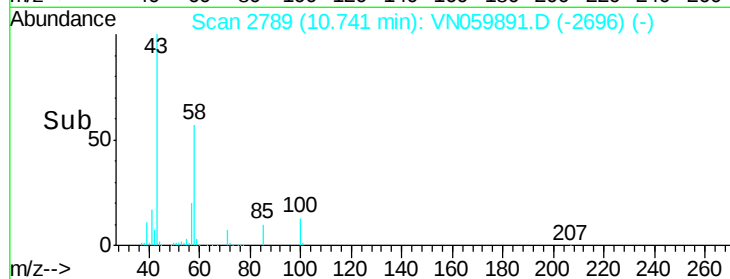
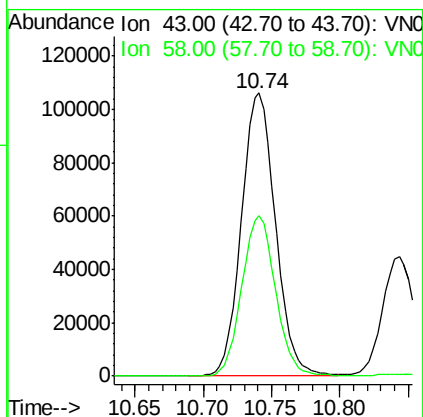
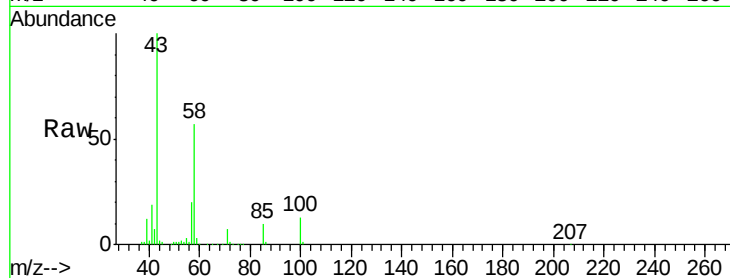




#59
2-Hexanone
Concen: 98.42 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

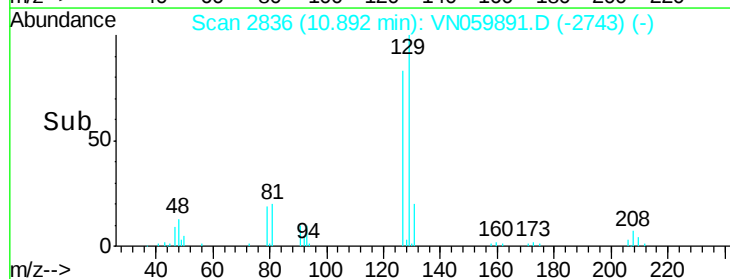
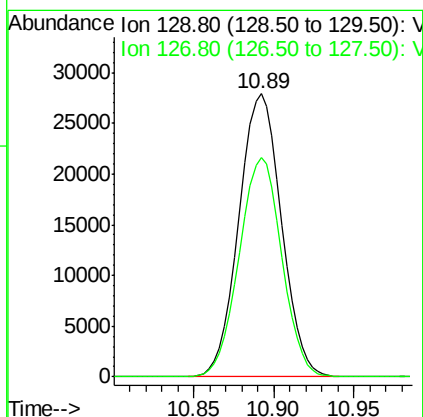
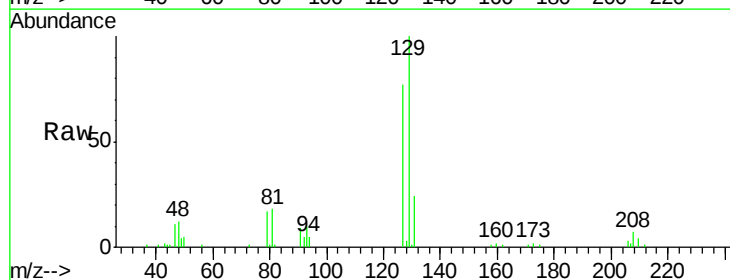
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

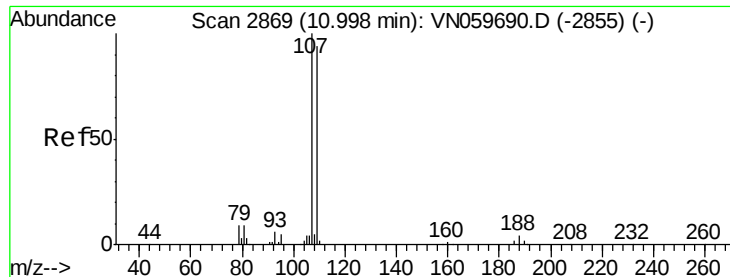
Tgt Ion: 43 Resp: 183373
Ion Ratio Lower Upper
43 100
58 56.4 25.8 77.3



#60
Dibromochloromethane
Concen: 21.99 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 129 Resp: 50663
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5

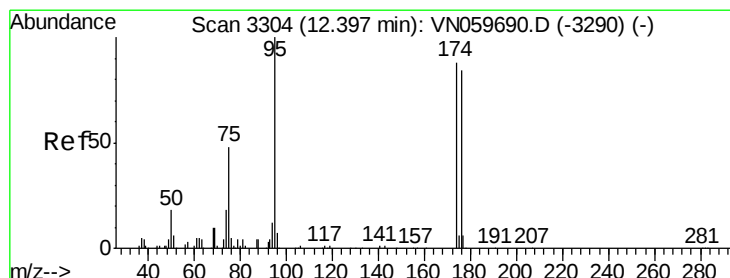
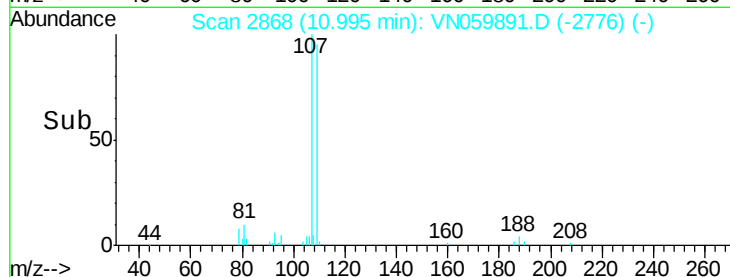
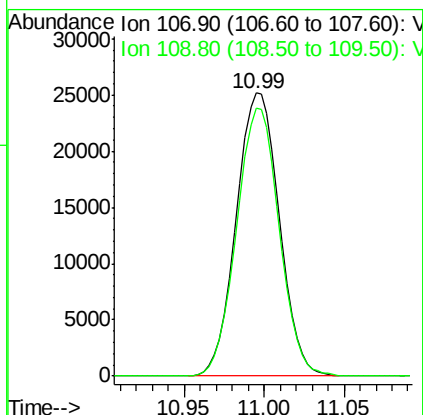
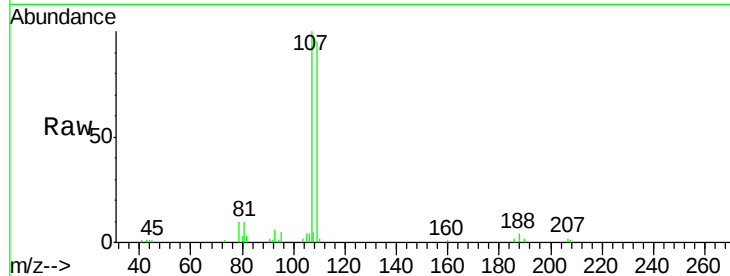




#61
 1,2-Dibromoethane
 Concen: 21.79 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

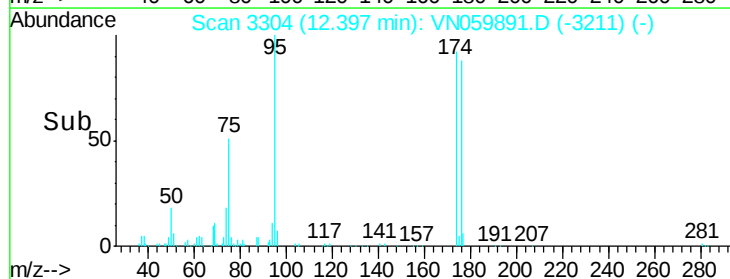
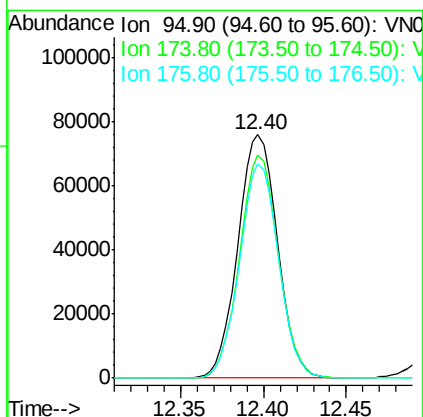
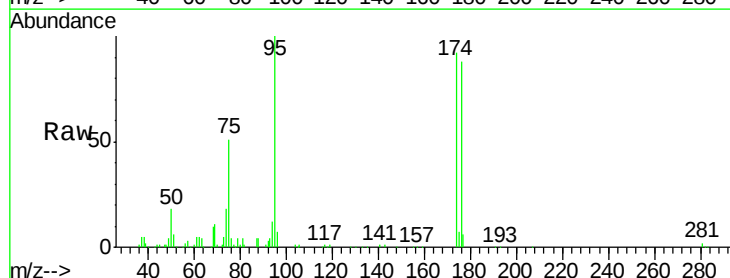
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

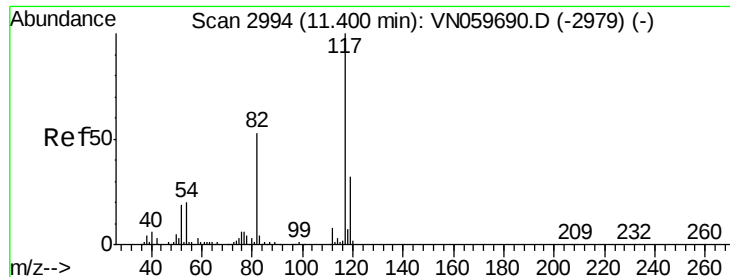
Tgt Ion: 107 Resp: 46210
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 48.79 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion: 95 Resp: 126546
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 151.4
 176 86.5 0.0 146.0

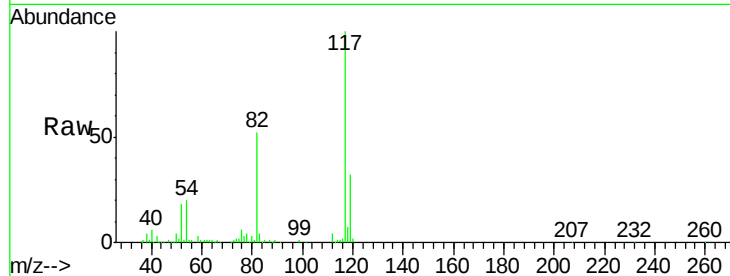




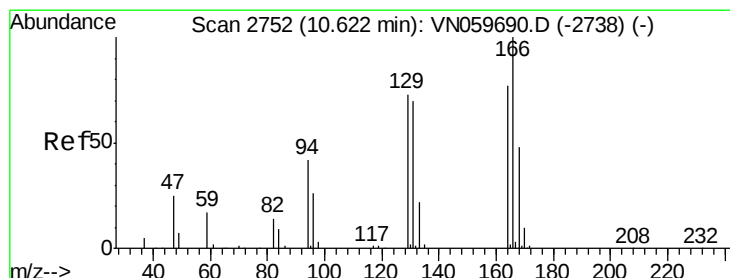
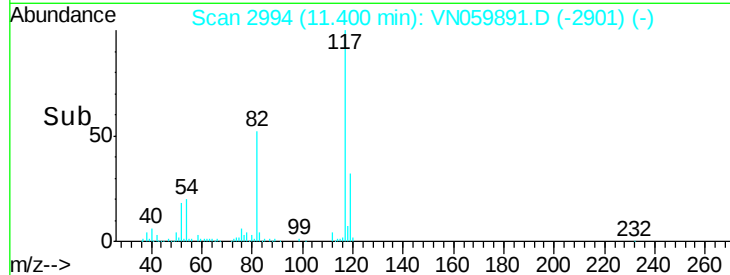
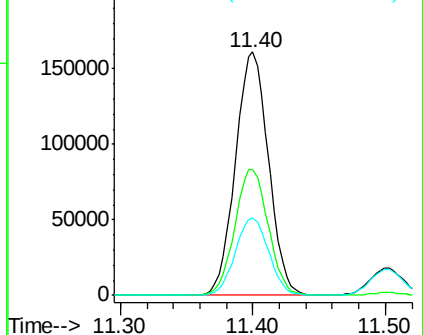
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tgt Ion:117 Resp: 278883
Ion Ratio Lower Upper
117 100
82 51.9 45.9 68.9
119 31.8 25.5 38.3

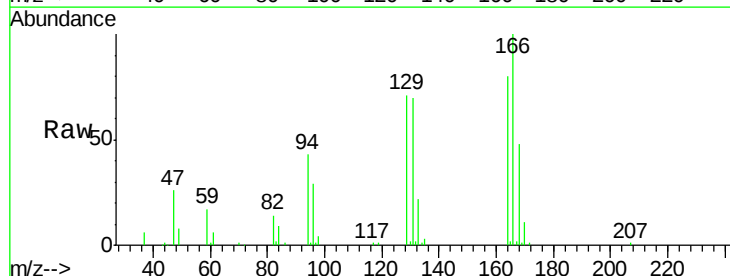


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

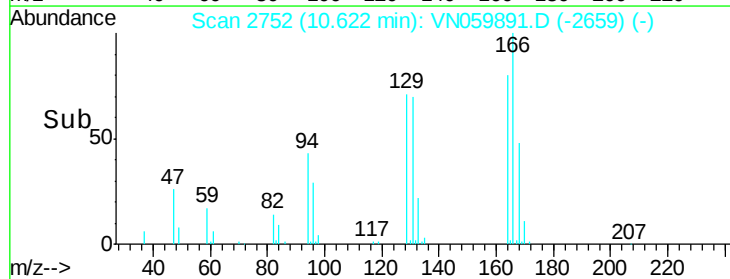
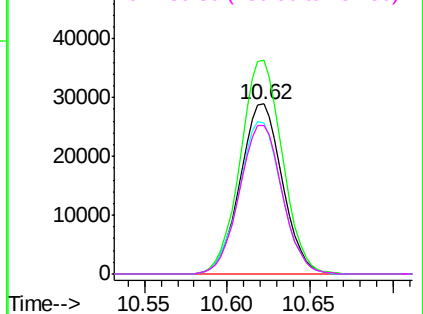


#64
Tetrachloroethene
Concen: 22.54 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion:164 Resp: 51224
Ion Ratio Lower Upper
164 100
166 125.6 101.4 152.0
129 88.9 80.2 120.4
131 87.6 75.0 112.4



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





#65

Chlorobenzene

Concen: 21.57 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

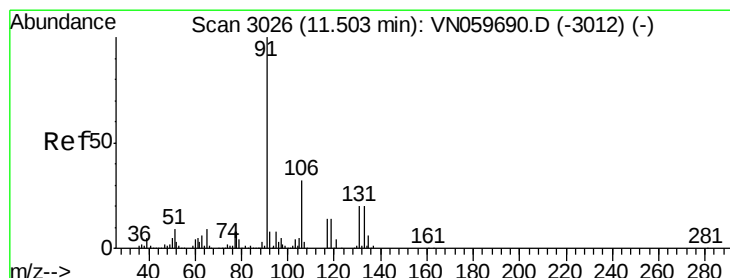
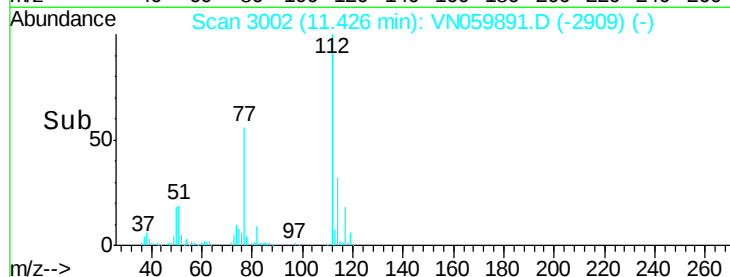
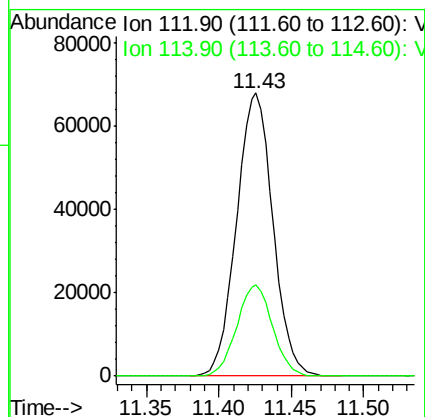
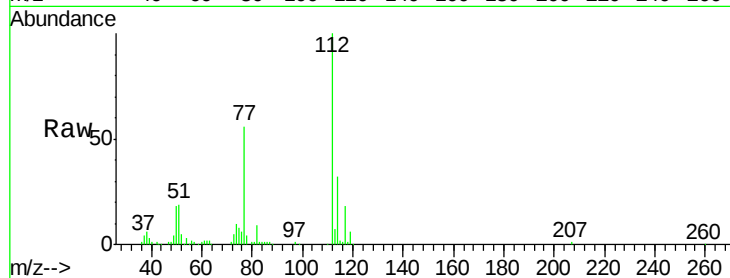
VN0128WBS01

Tgt Ion:112 Resp: 118222

Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 22.19 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

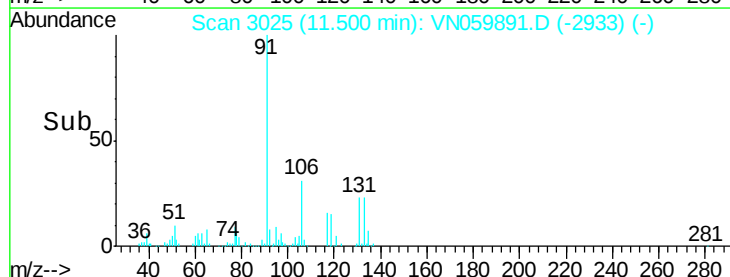
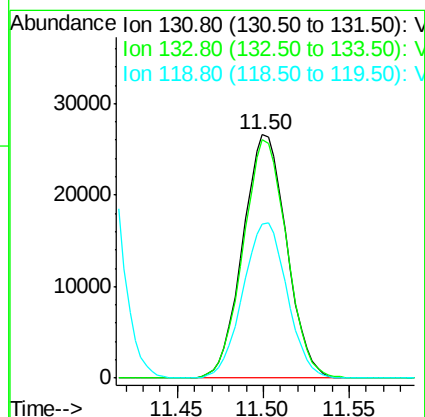
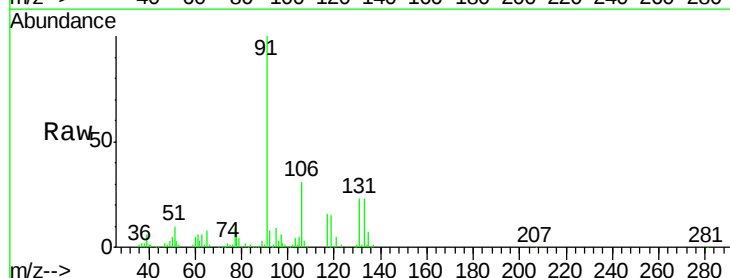
Tgt Ion:131 Resp: 46998

Ion Ratio Lower Upper

131 100

133 97.4 47.4 142.2

119 64.1 33.1 99.3





#67

Ethyl Benzene

Concen: 20.93 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

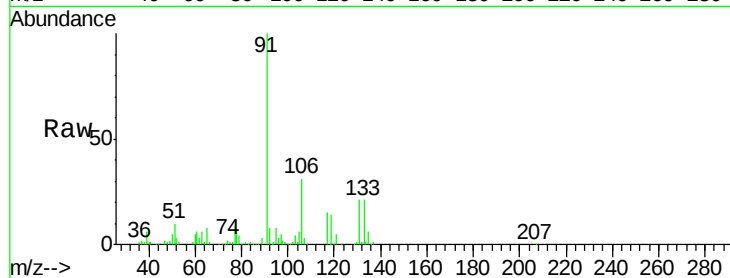
VN0128WBS01

Tgt Ion: 91 Resp: 208220

Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

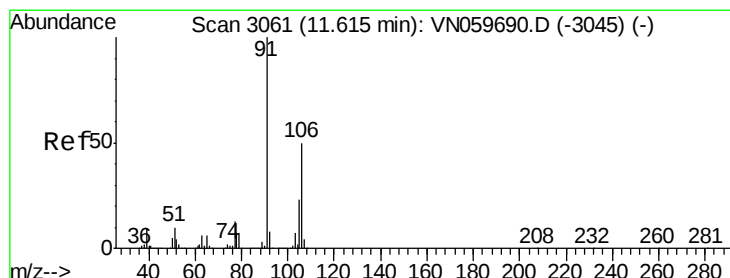
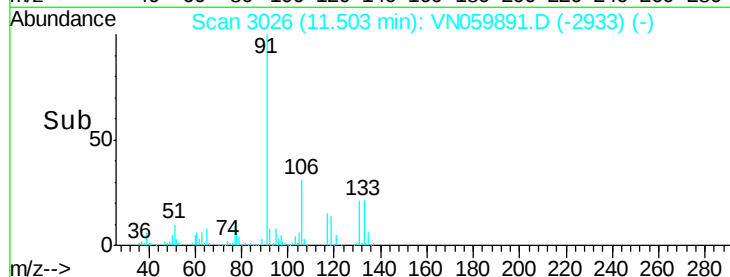
150000

11.50

100000

50000

Time-->



#68

m/p-Xylenes

Concen: 41.65 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059891.D

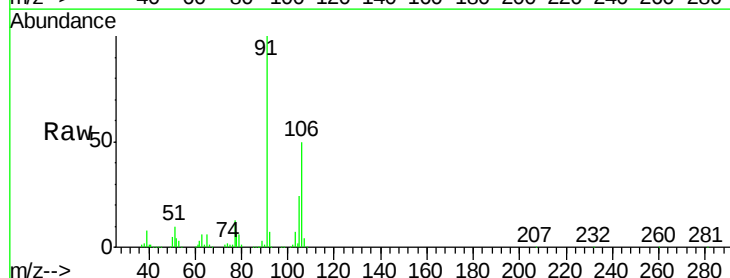
Acq: 28 Jan 2020 12:36

Tgt Ion: 106 Resp: 156571

Ion Ratio Lower Upper

106 100

91 201.9 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

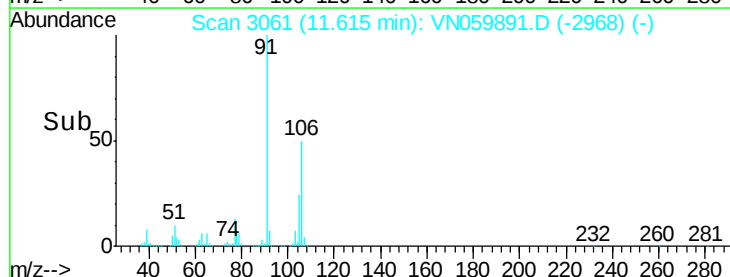
150000

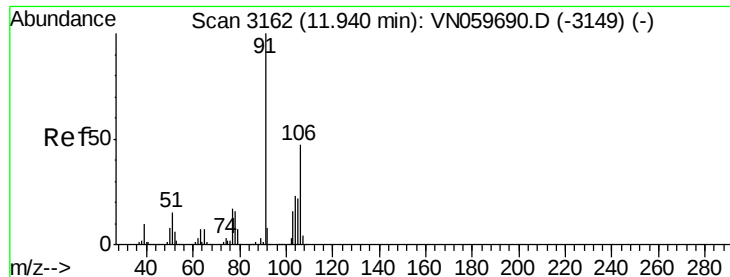
11.62

100000

50000

Time-->

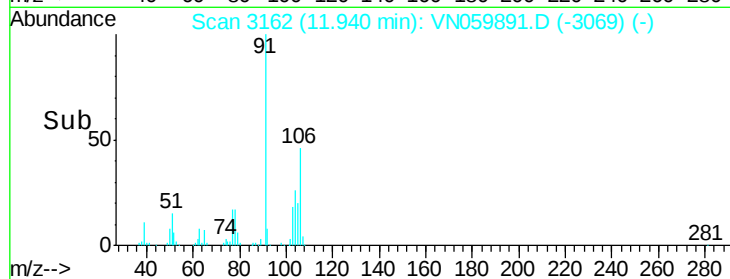
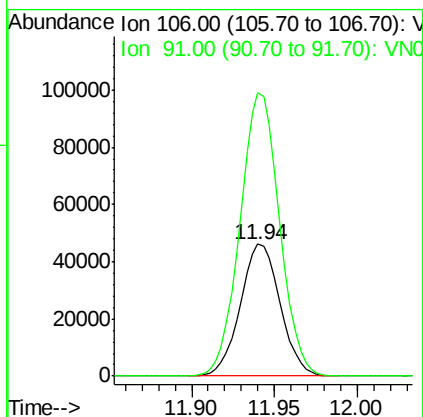
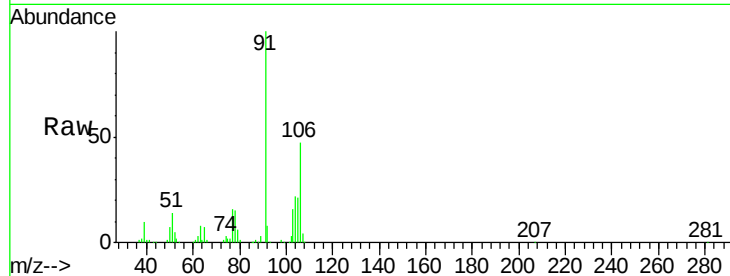




#69
o-Xylene
Concen: 20.95 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

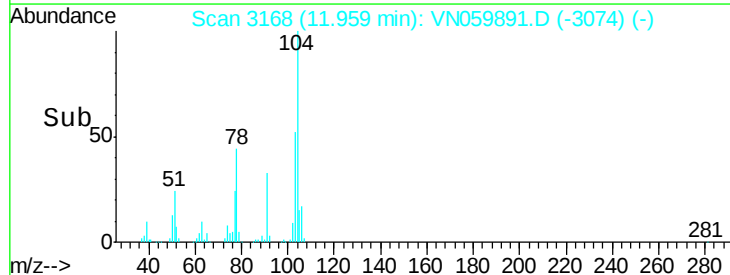
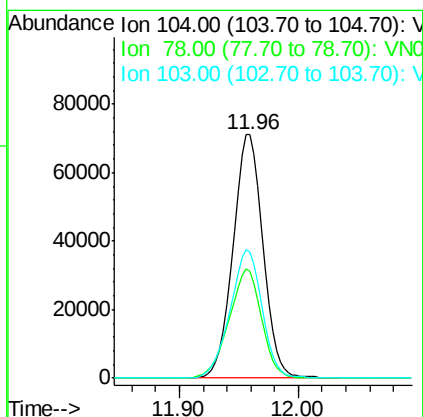
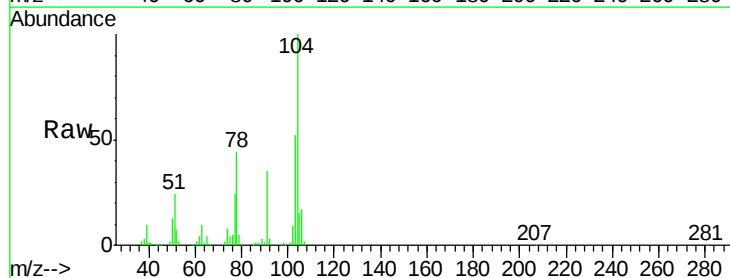
Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

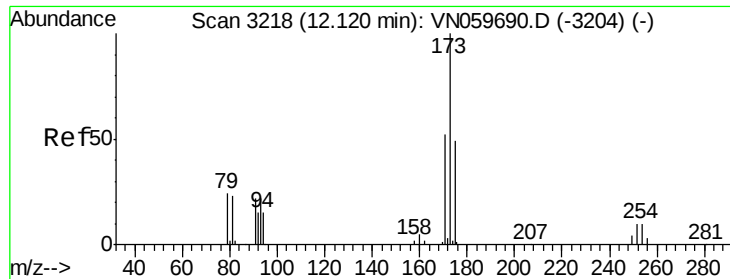
Tgt Ion:106 Resp: 77108
Ion Ratio Lower Upper
106 100
91 212.3 110.3 330.9



#70
Styrene
Concen: 20.13 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion:104 Resp: 123972
Ion Ratio Lower Upper
104 100
78 48.6 42.4 63.6
103 56.3 43.9 65.9

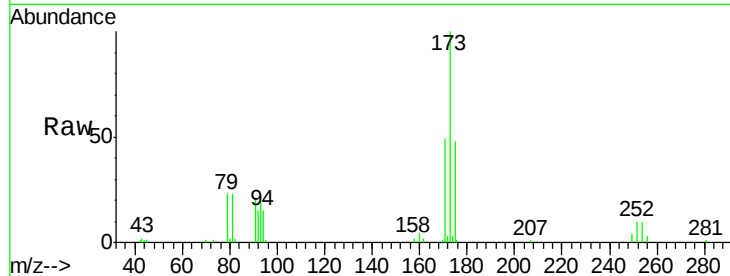




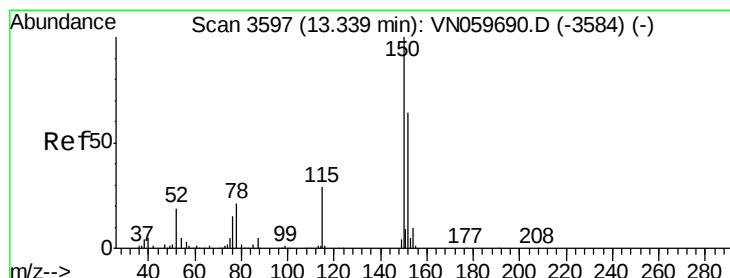
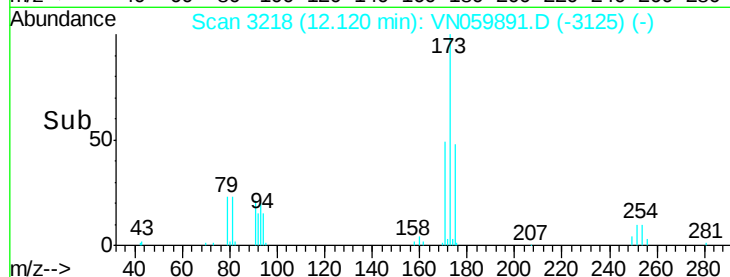
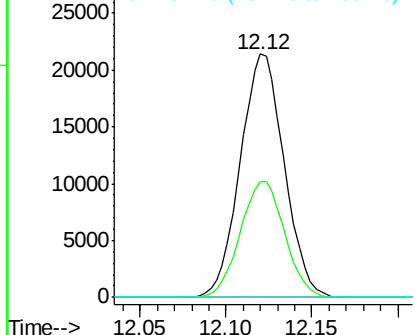
#71
Bromoform
Concen: 22.32 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tgt Ion:173 Resp: 37876
Ion Ratio Lower Upper
173 100
175 48.2 23.8 71.4
254 0.0 0.0 0.0

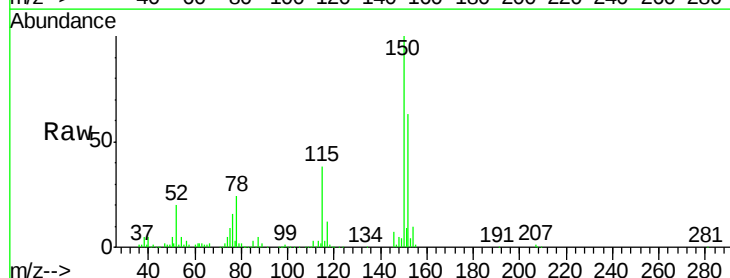


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

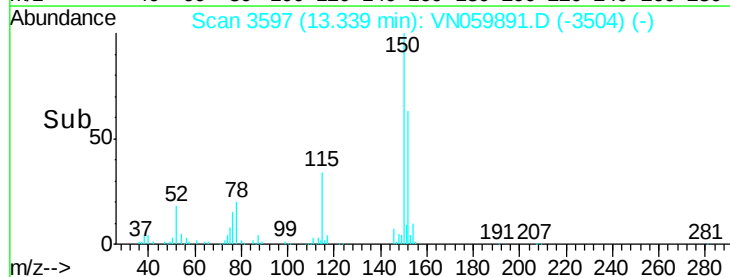
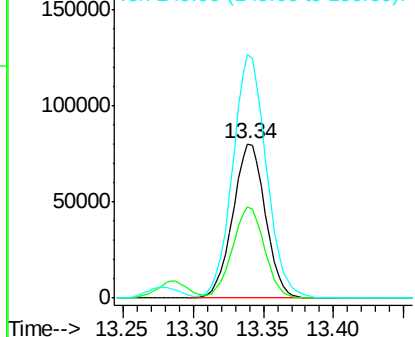


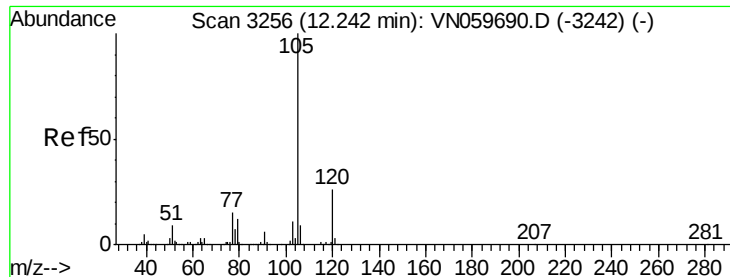
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion:152 Resp: 130186
Ion Ratio Lower Upper
152 100
115 58.4 30.3 90.9
150 163.8 0.0 345.2



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: 21.88 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

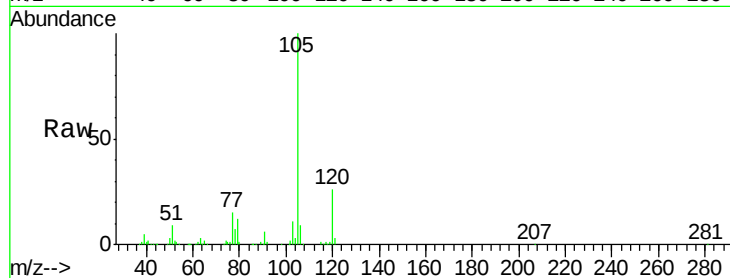
VN0128WBS01

Tgt Ion: 105 Resp: 208858

Ion Ratio Lower Upper

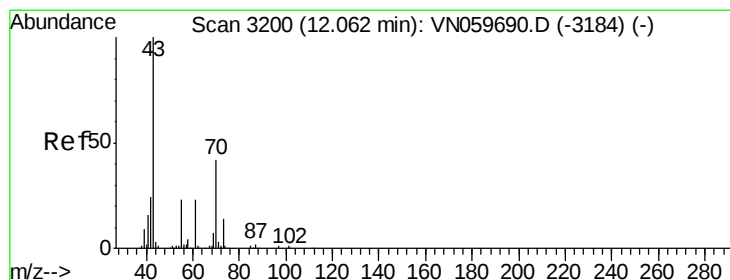
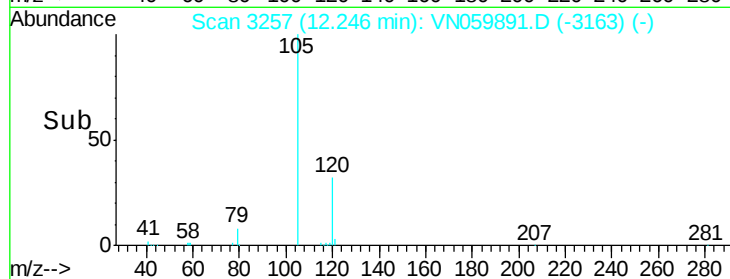
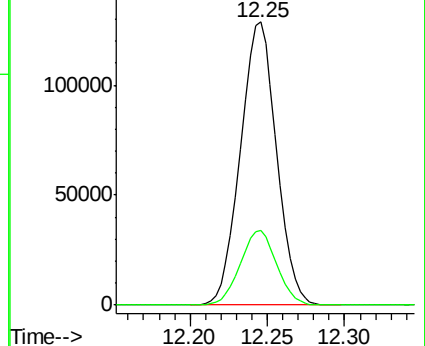
105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.28 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion: 43 Resp: 71443

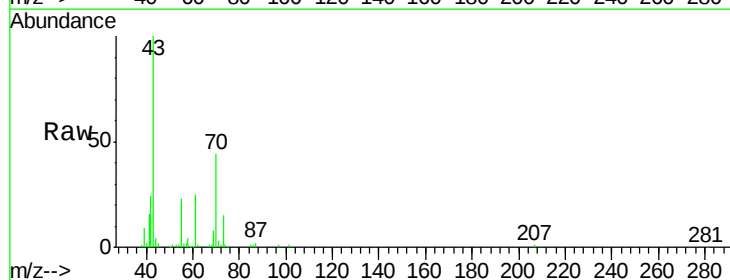
Ion Ratio Lower Upper

43 100

70 44.0 31.3 46.9

55 24.5 19.8 29.6

61 25.0 18.3 27.5

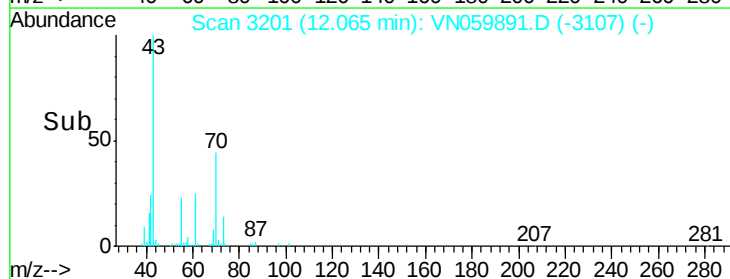
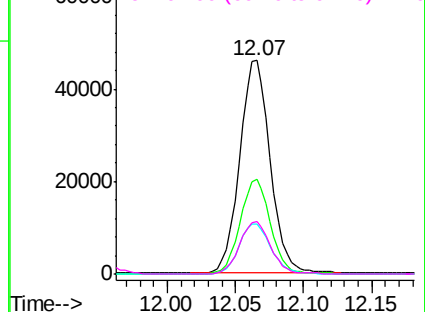


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.82 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

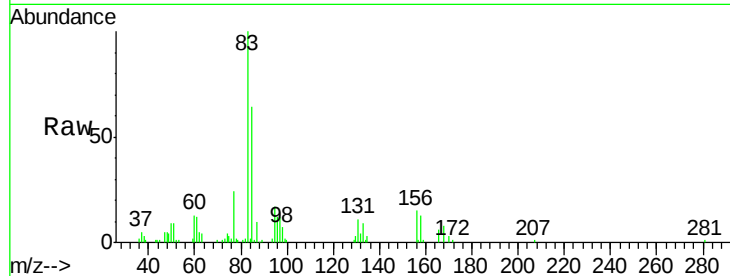
Tgt Ion: 83 Resp: 60388

Ion Ratio Lower Upper

83 100

131 11.0 5.0 14.9

85 63.9 31.9 95.5

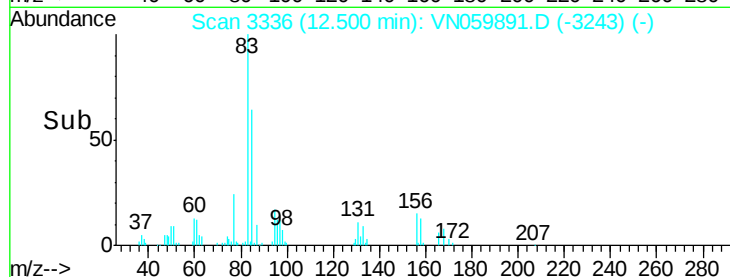


Abundance Ion 82.90 (82.60 to 83.60): VN059891.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059891.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059891.D (-3243) (-)

Time-->

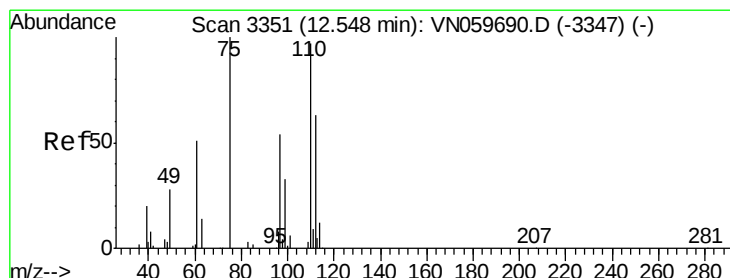


Abundance Ion 82.90 (82.60 to 83.60): VN059891.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059891.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059891.D (-3243) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 36.53 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059891.D

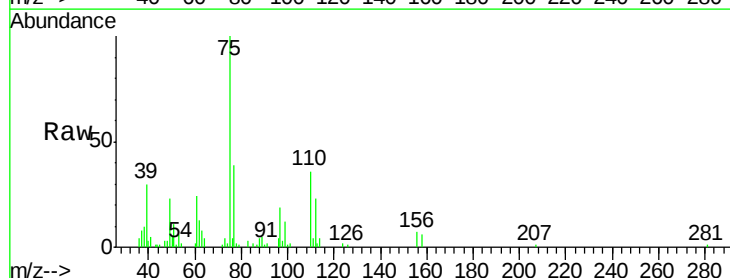
Acq: 28 Jan 2020 12:36

Tgt Ion: 75 Resp: 80041

Ion Ratio Lower Upper

75 100

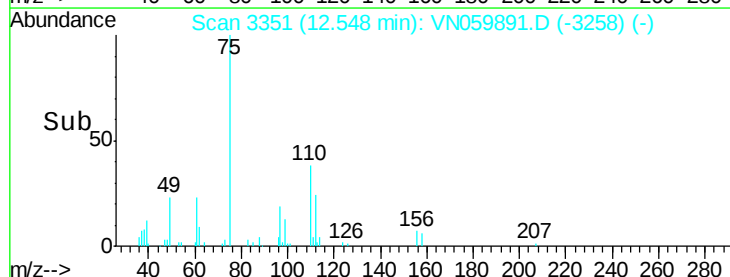
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059891.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059891.D (-3258) (-)

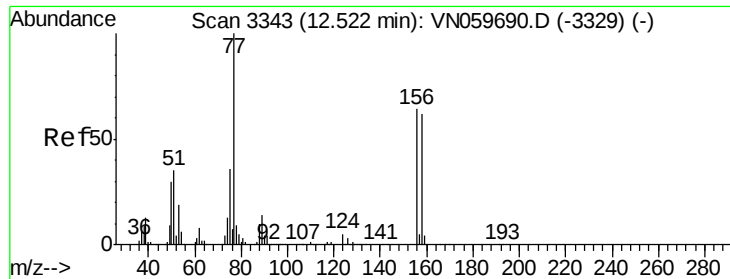
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN059891.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059891.D (-3258) (-)

Time-->



#77

Bromobenzene

Concen: 21.58 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

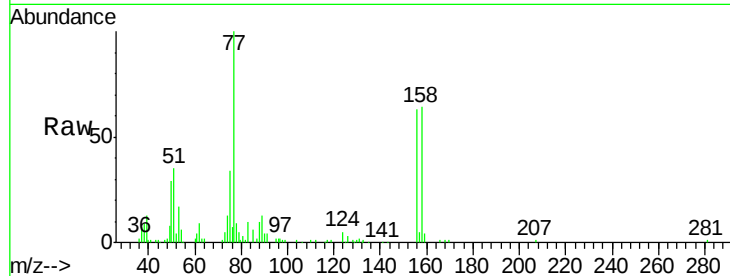
Tgt Ion:156 Resp: 52188

Ion Ratio Lower Upper

156 100

77 191.3 115.8 347.4

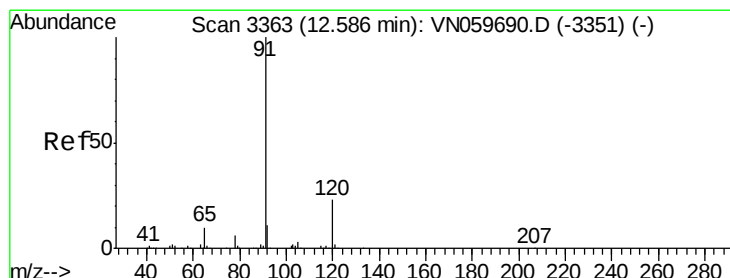
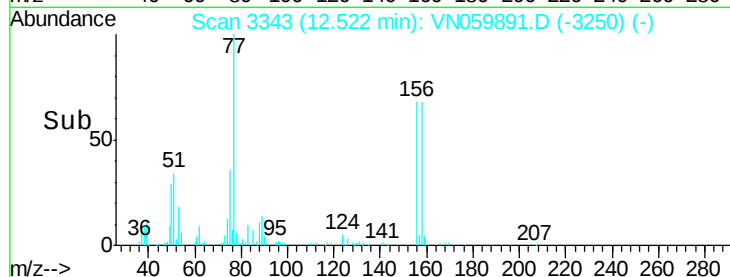
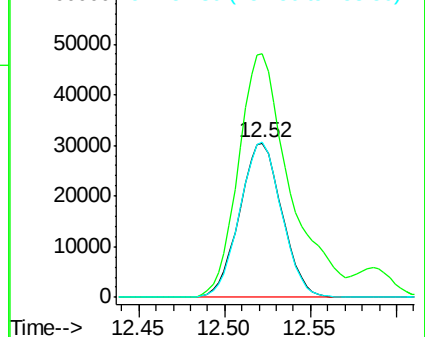
158 98.9 49.2 147.6



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: 21.19 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059891.D

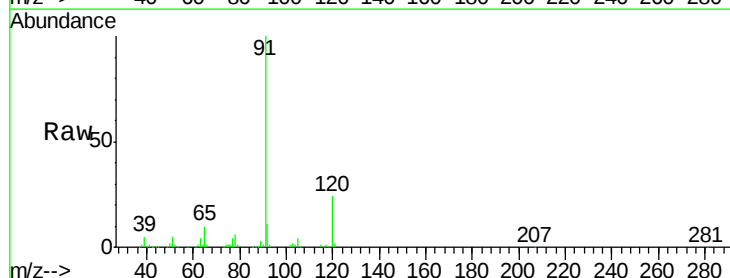
Acq: 28 Jan 2020 12:36

Tgt Ion: 91 Resp: 227111

Ion Ratio Lower Upper

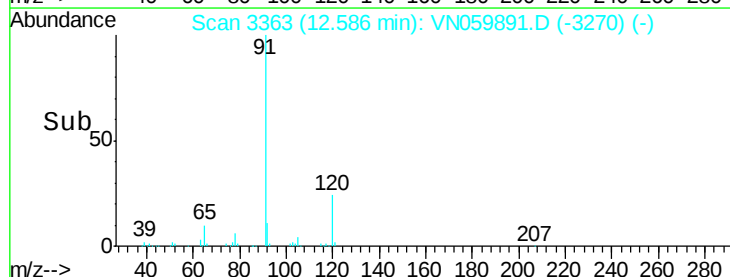
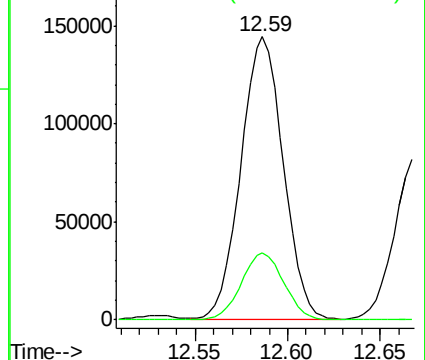
91 100

120 24.0 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.37 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

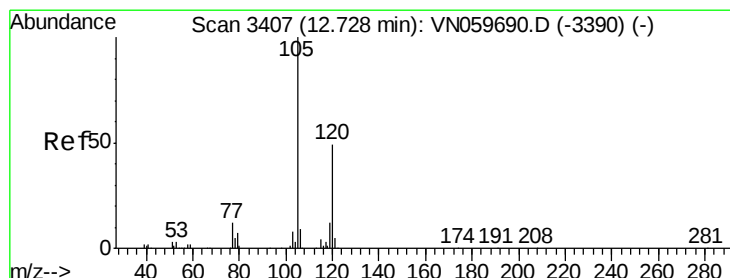
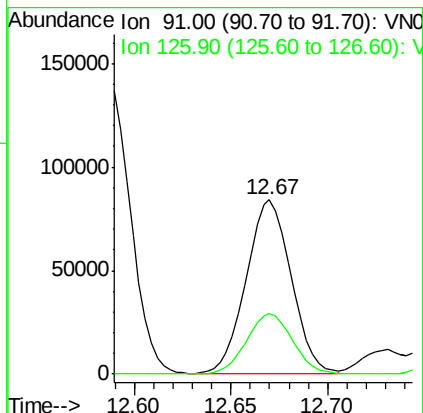
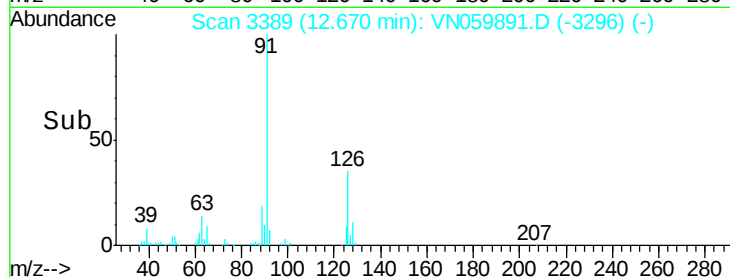
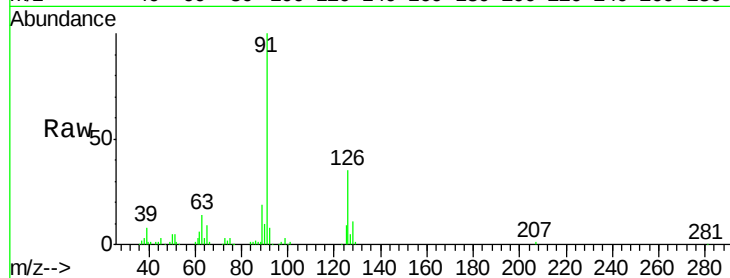
VN0128WBS01

Tgt Ion: 91 Resp: 136257

Ion Ratio Lower Upper

91 100

126 35.5 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 21.75 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059891.D

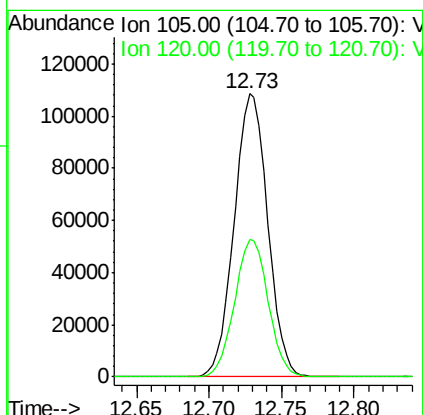
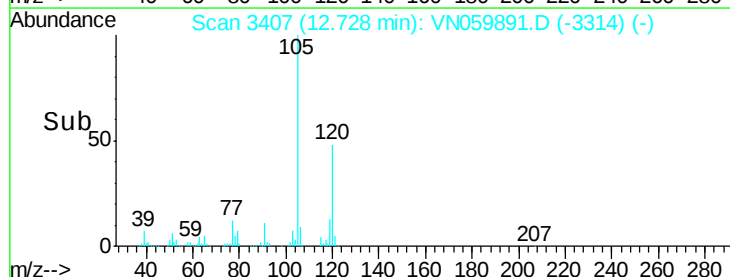
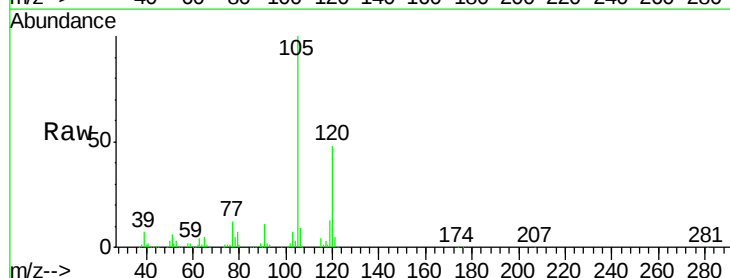
Acq: 28 Jan 2020 12:36

Tgt Ion: 105 Resp: 174620

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.66 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

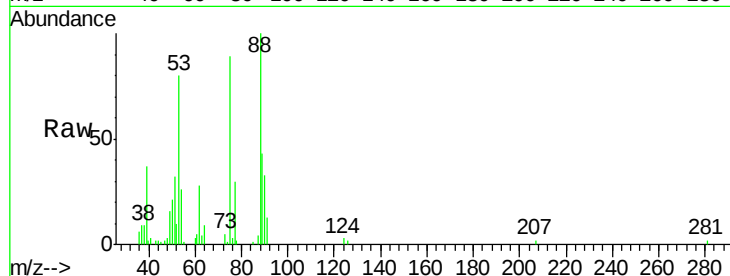
Tgt Ion: 75 Resp: 21075

Ion Ratio Lower Upper

75 100

53 92.6 78.1 117.1

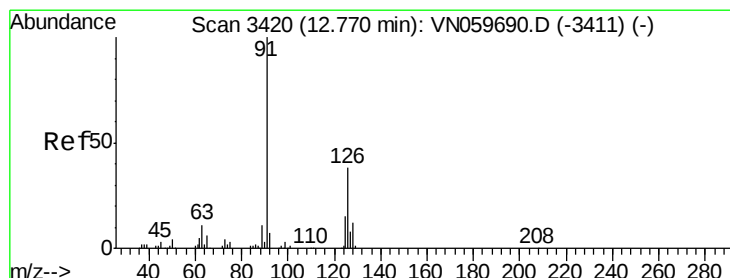
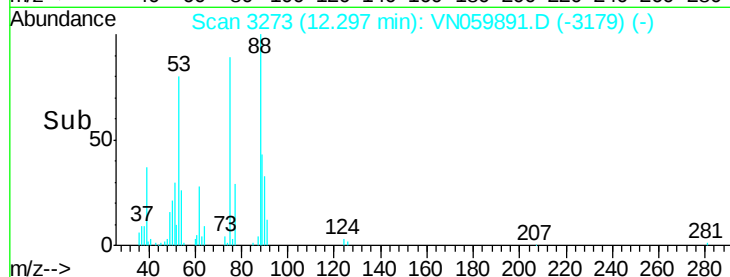
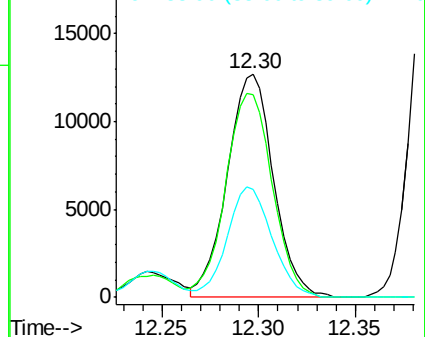
89 48.2 35.4 53.2



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: 21.48 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059891.D

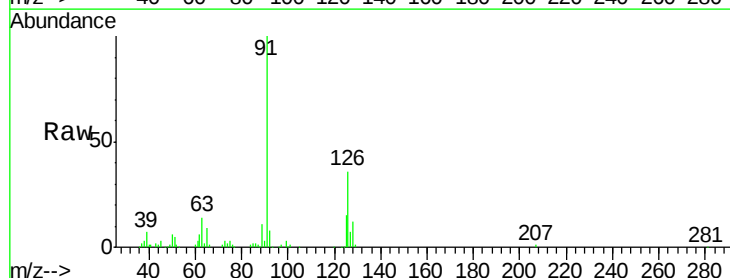
Acq: 28 Jan 2020 12:36

Tgt Ion: 91 Resp: 137383

Ion Ratio Lower Upper

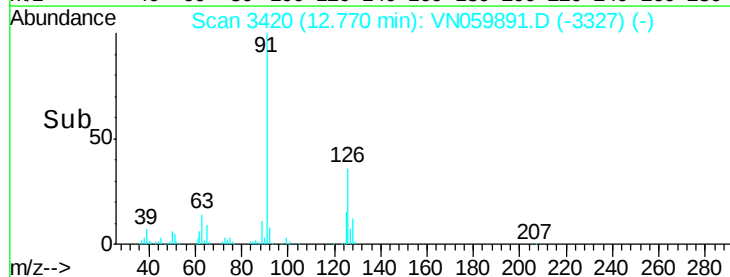
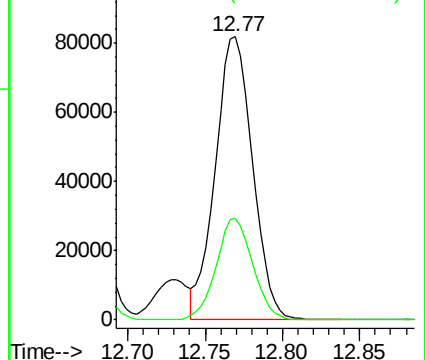
91 100

126 35.0 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

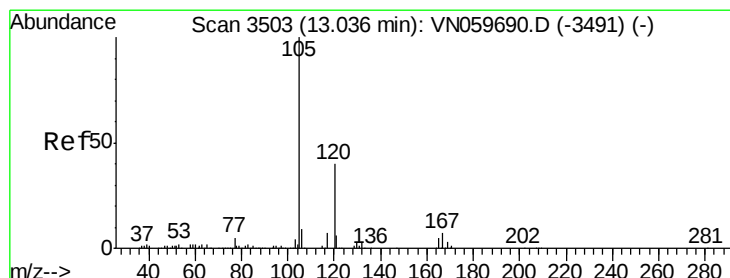
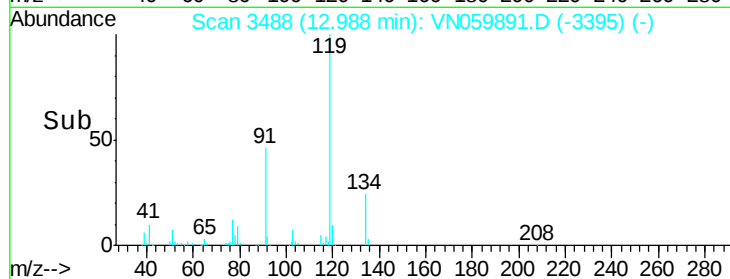
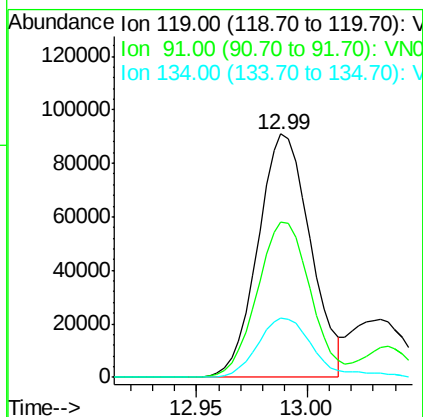
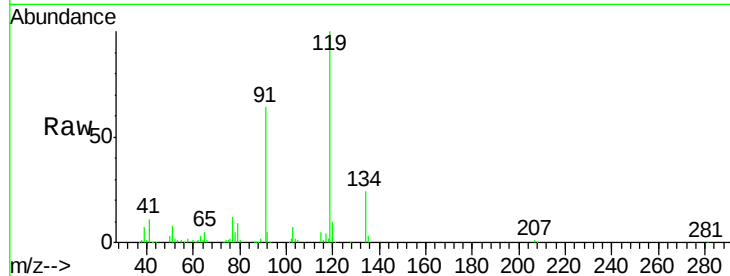




#83
 tert-Butylbenzene
 Concen: 21.55 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

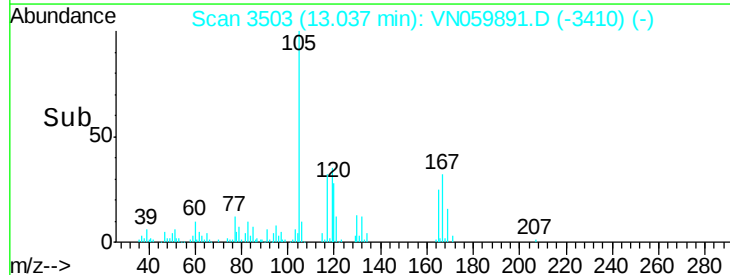
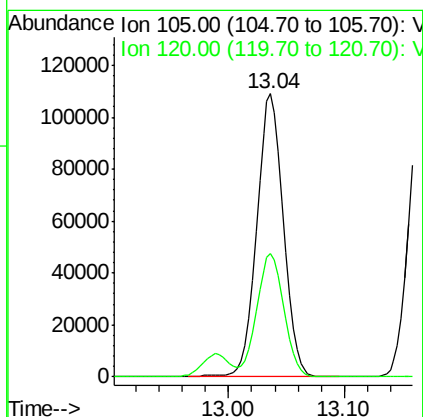
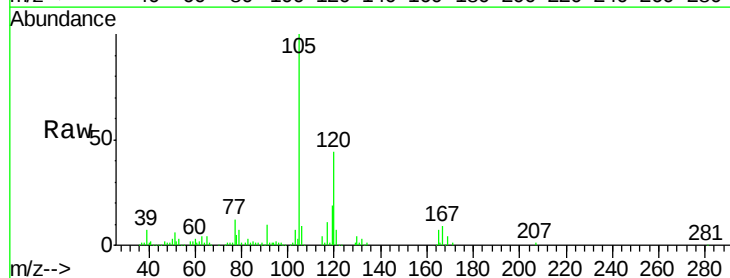
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tgt Ion:119 Resp: 149672
 Ion Ratio Lower Upper
 119 100
 91 64.7 34.8 104.4
 134 26.3 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.98 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion:105 Resp: 174616
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 21.13 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

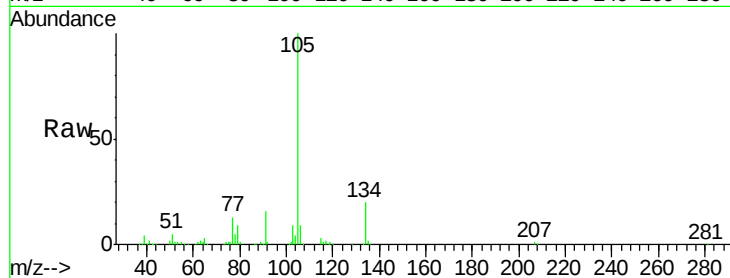
VN0128WBS01

Tgt Ion:105 Resp: 192757

Ion Ratio Lower Upper

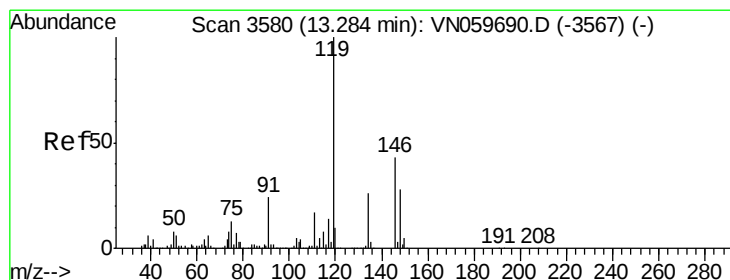
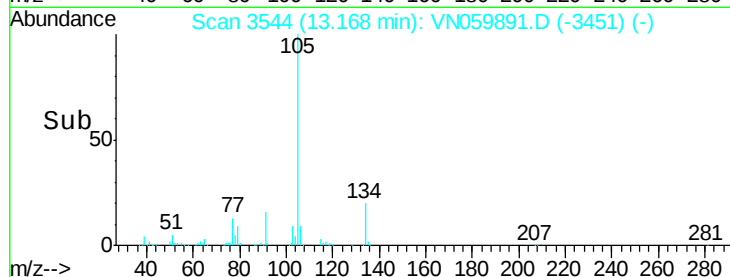
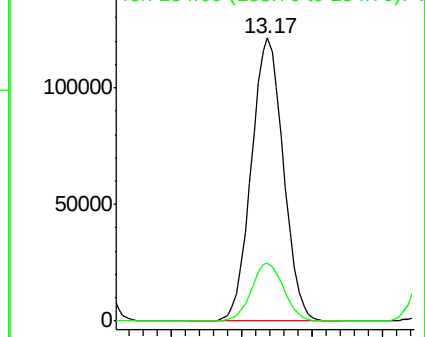
105 100

134 20.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.37 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

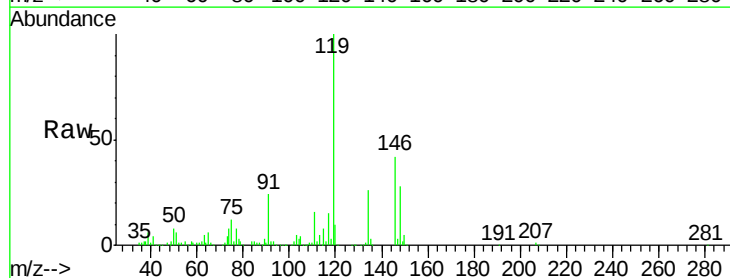
Tgt Ion:119 Resp: 180428

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

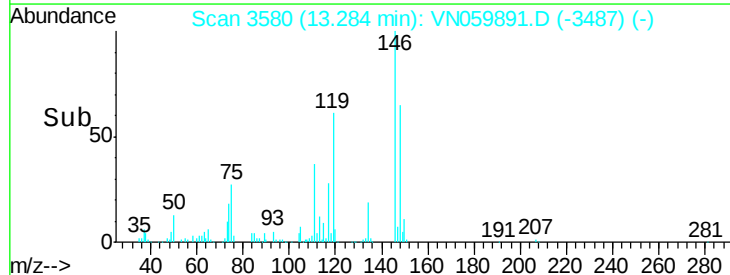
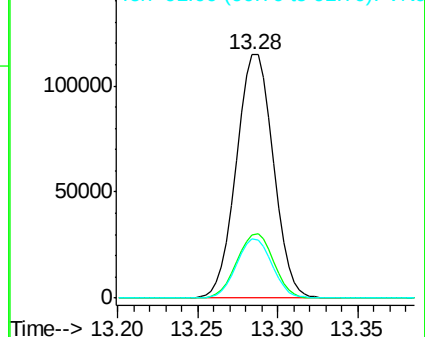
91 23.5 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.68 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

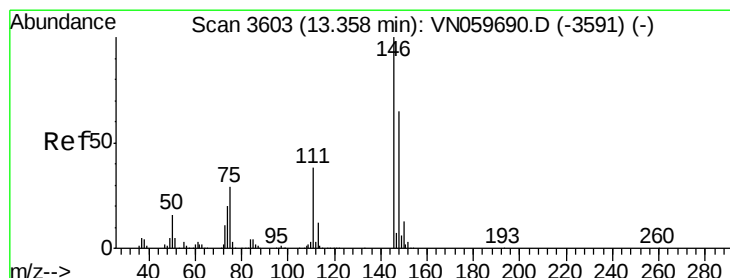
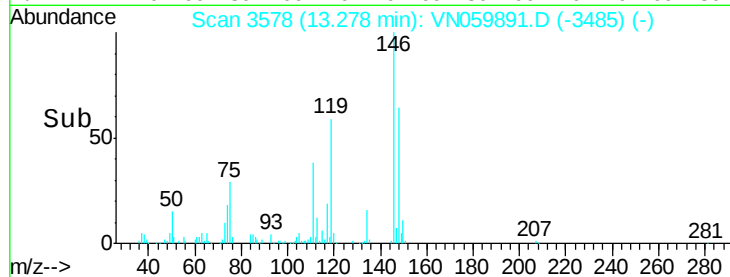
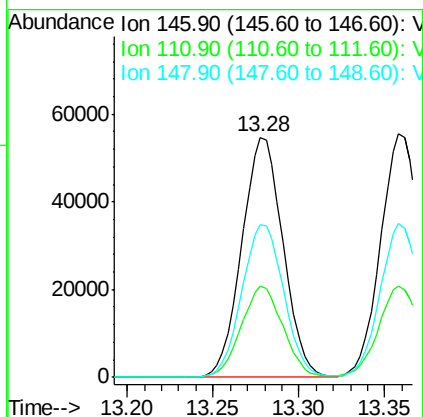
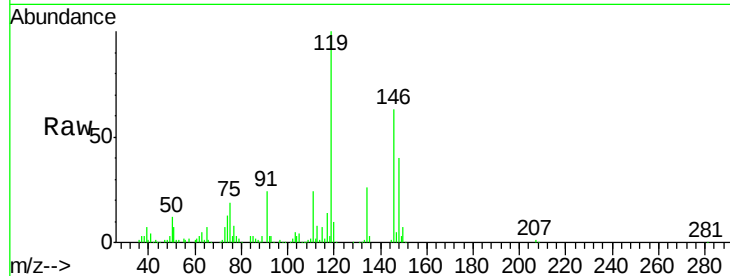
Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tgt Ion:146 Resp: 91035

Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	64.7	32.0	96.0



#88

1,4-Dichlorobenzene

Concen: 21.79 ug/l

RT: 13.36 min Scan# 3603

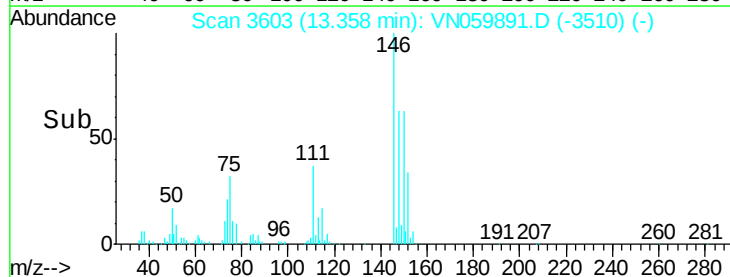
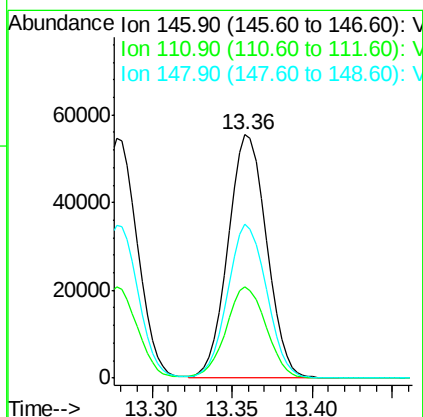
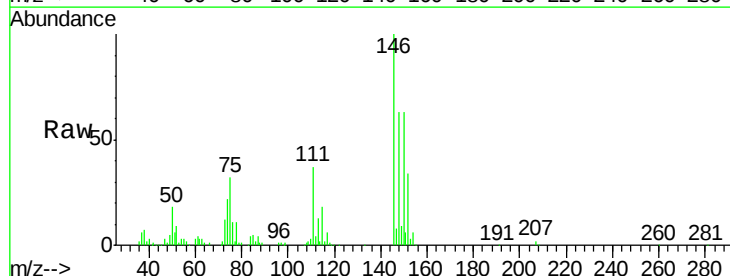
Delta R.T. 0.00 min

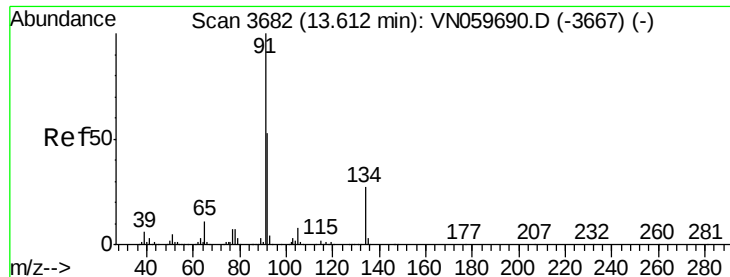
Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion:146 Resp: 91318

Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	63.9	31.8	95.4

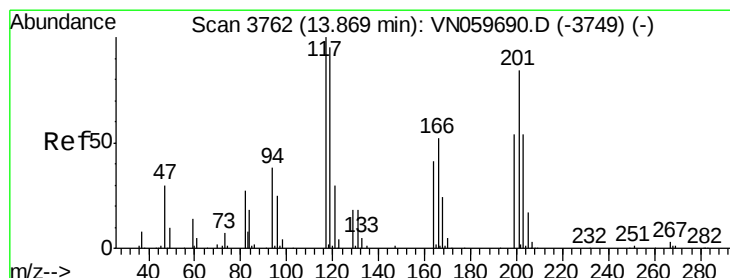
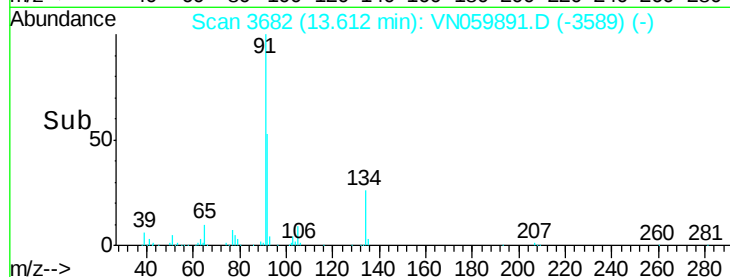
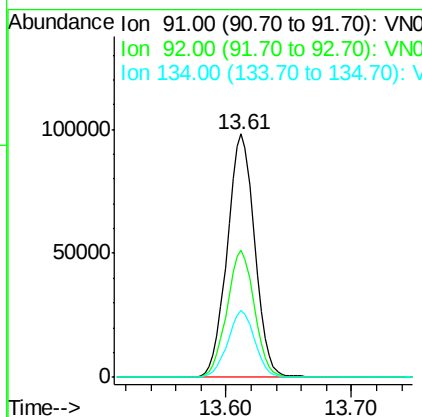
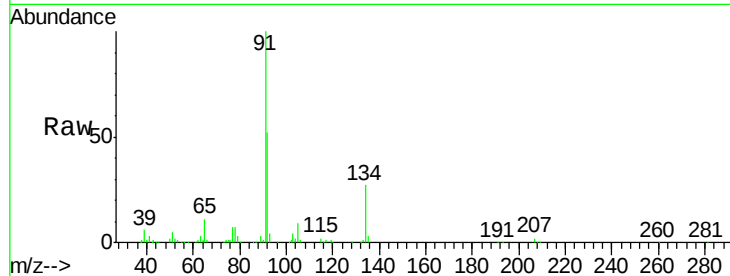




#89
n-Butylbenzene
Concen: 20.74 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

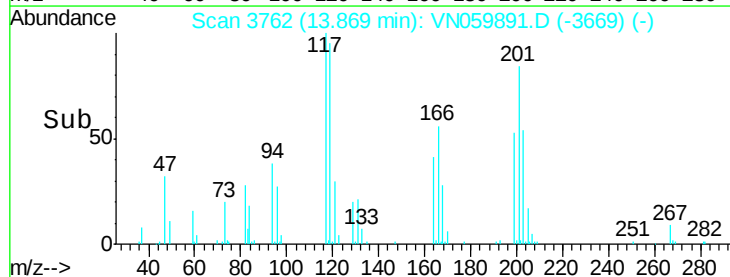
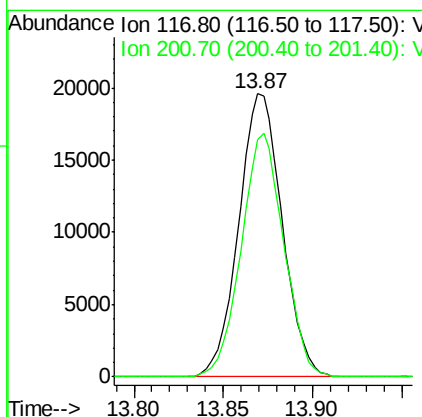
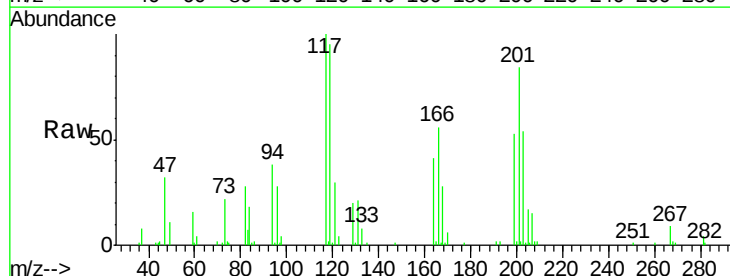
Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

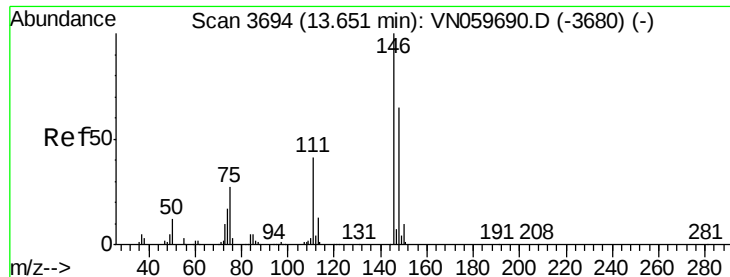
Tgt Ion: 91 Resp: 149296
Ion Ratio Lower Upper
91 100
92 52.2 25.9 77.7
134 26.8 12.3 36.8



#90
Hexachloroethane
Concen: 21.12 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 117 Resp: 33367
Ion Ratio Lower Upper
117 100
201 84.0 37.8 113.4

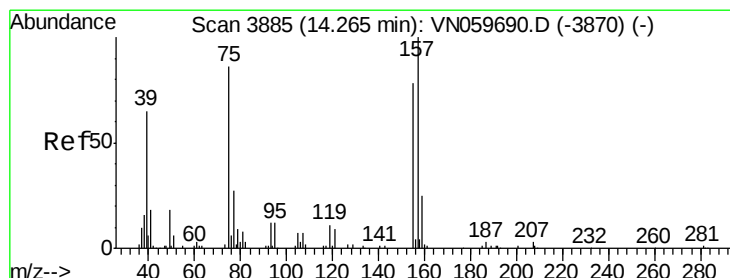
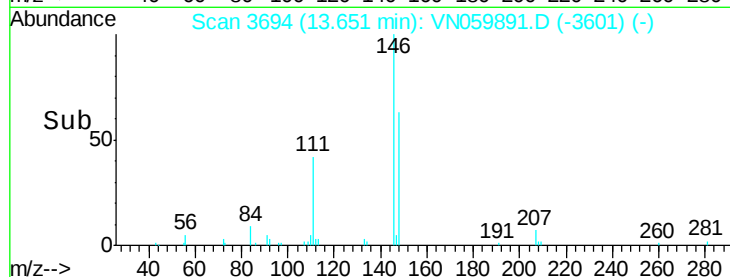
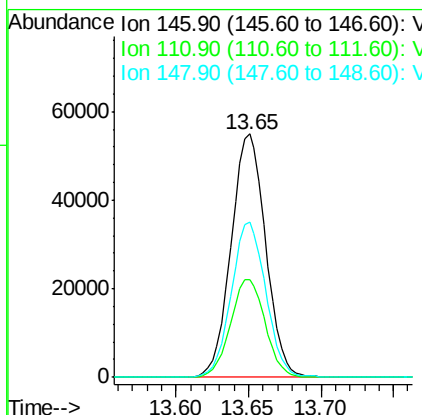
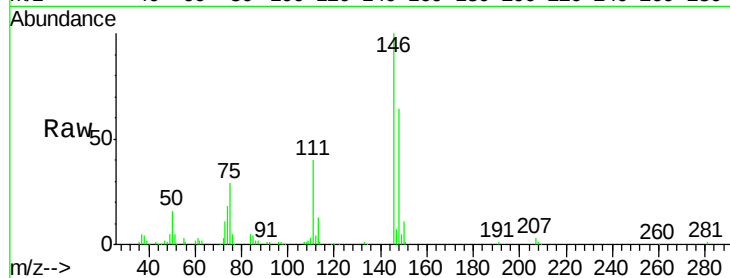




#91
 1,2-Dichlorobenzene
 Concen: 21.86 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

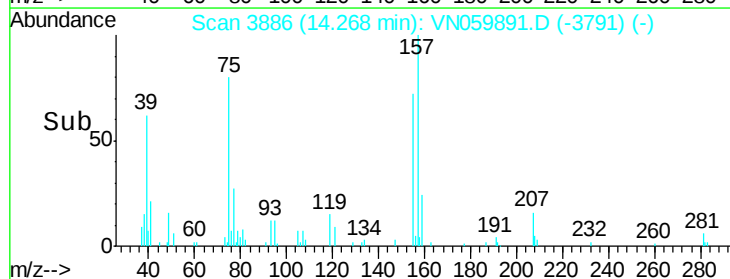
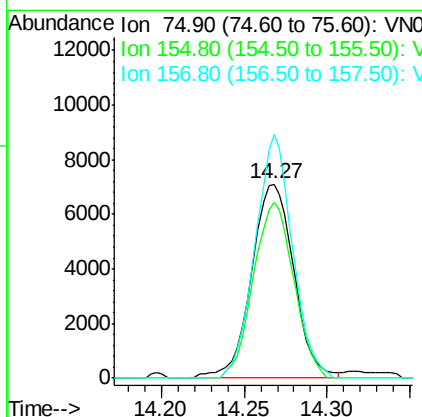
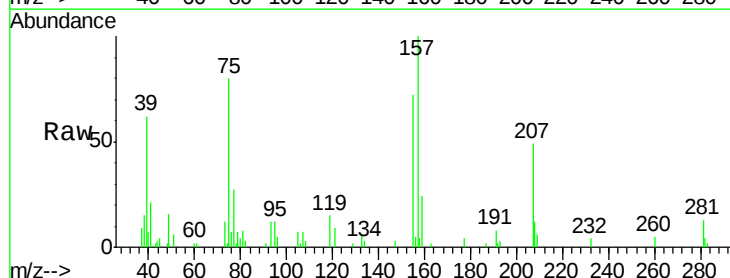
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

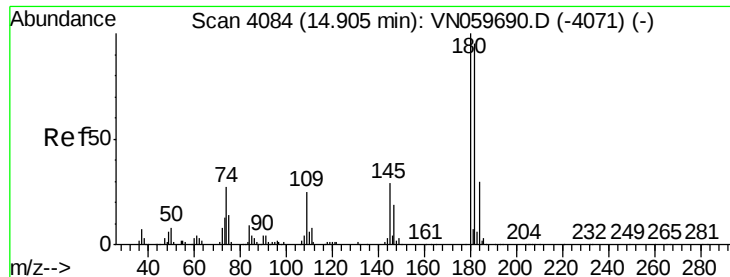
Tgt Ion: 146 Resp: 90771
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.6 64.8
 148 63.6 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.95 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion: 75 Resp: 12596
 Ion Ratio Lower Upper
 75 100
 155 86.3 37.0 110.9
 157 110.6 48.4 145.2





#93

1,2,4-Trichlorobenzene

Concen: 20.79 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

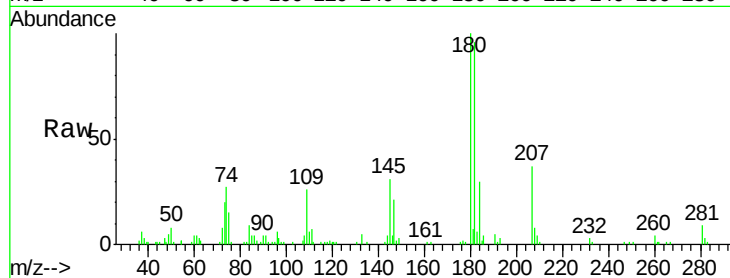
Tgt Ion:180 Resp: 51876

Ion Ratio Lower Upper

180 100

182 96.3 46.9 140.7

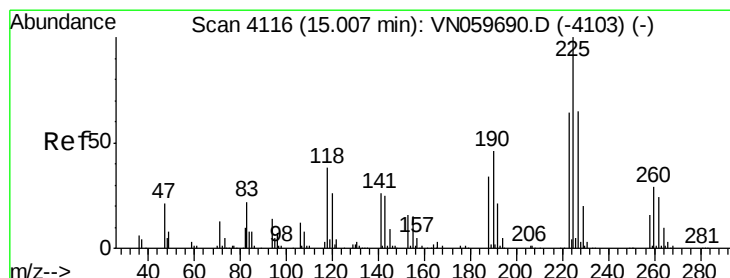
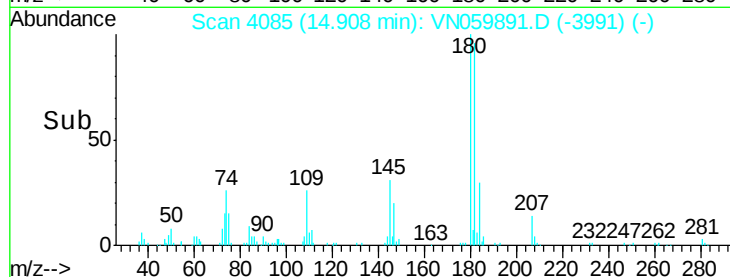
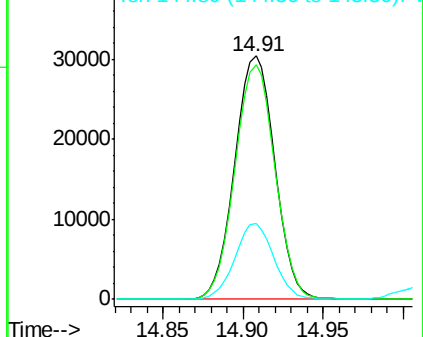
145 30.1 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.59 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

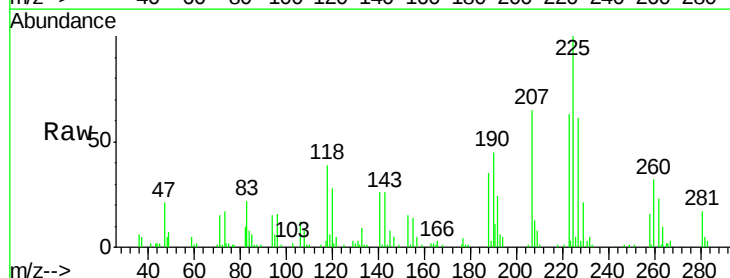
Tgt Ion:225 Resp: 29679

Ion Ratio Lower Upper

225 100

223 64.1 31.8 95.3

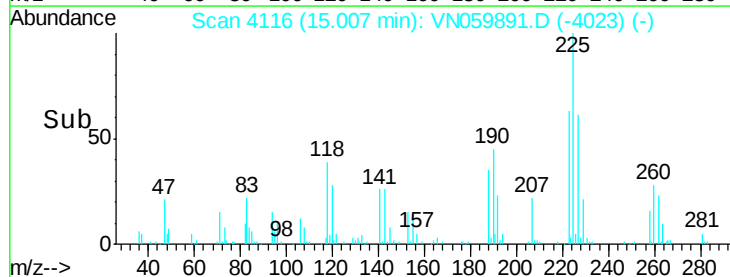
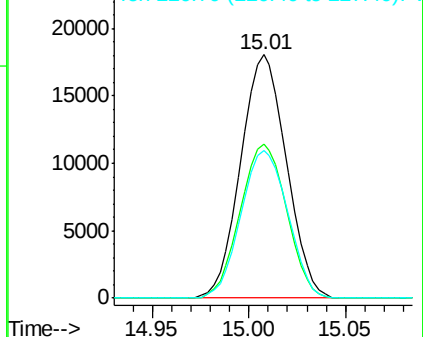
227 62.1 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.69 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

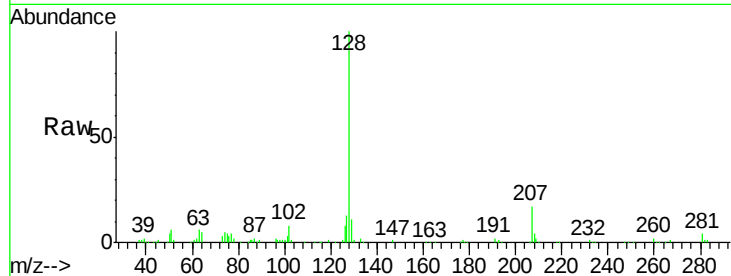
Tgt Ion:128 Resp: 139757

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

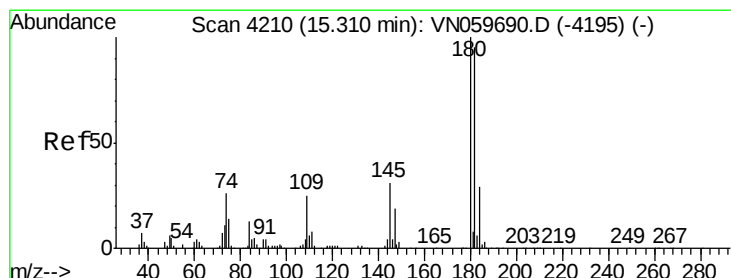
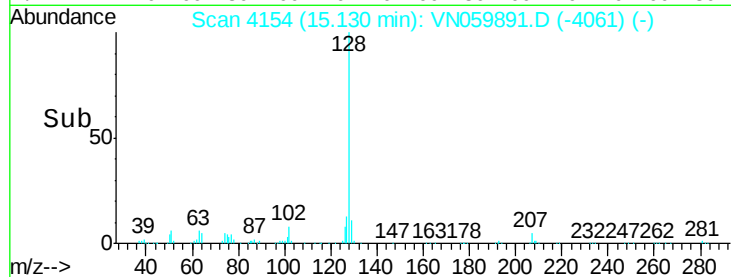
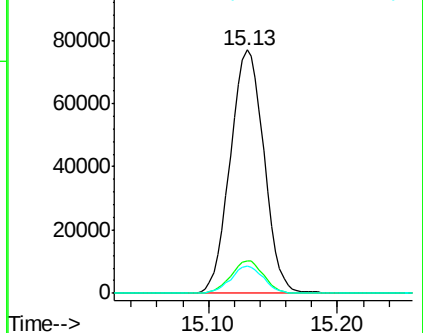
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.89 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

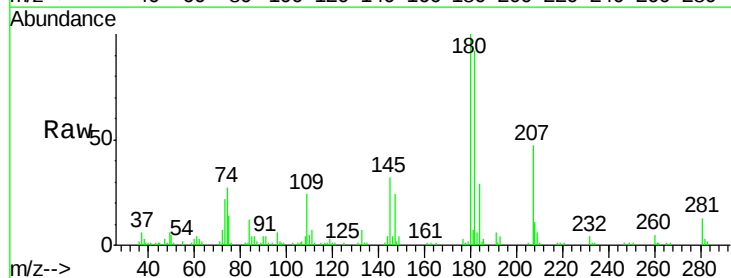
Tgt Ion:180 Resp: 50737

Ion Ratio Lower Upper

180 100

182 94.4 47.4 142.3

145 31.9 16.3 48.9



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

