

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054759.D
 Acq On : 29 Mar 2019 10:00
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 00:06:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	466570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	776003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	619166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	205265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	35538	5.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.30%	
35) Dibromofluoromethane	7.59	113	28696	5.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.10%	
50) Toluene-d8	10.09	98	94849	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
62) 4-Bromofluorobenzene	12.40	95	17652	2.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	5.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	5315	1.13	ug/l	97
3) Chloromethane	2.06	50	7123	1.09	ug/l	94
4) Vinyl Chloride	2.19	62	6606	1.13	ug/l	93
5) Bromomethane	2.58	94	4307	Below Cal	#	79
6) Chloroethane	2.72	64	3994	1.22	ug/l	98
7) Trichlorofluoromethane	3.02	101	8004	1.11	ug/l	# 83
8) Diethyl Ether	3.41	74	2601	1.12	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.76	101	2989	0.84	ug/l	# 63
10) Methyl Iodide	3.95	142	5179	1.00	ug/l	# 87
11) Tert butyl alcohol	4.82	59	1341	4.05	ug/l	# 70
12) 1,1-Dichloroethene	3.73	96	3924	1.07	ug/l	# 82
13) Acrolein	3.61	56	775	2.65	ug/l	# 30
14) Allyl chloride	4.32	41	9865	1.10	ug/l	# 81
15) Acrylonitrile	5.00	53	9140	5.02	ug/l	# 83
16) Acetone	3.82	43	8227	5.49	ug/l	# 86
17) Carbon Disulfide	4.04	76	12398	1.04	ug/l	# 88
18) Methyl Acetate	4.33	43	5745	0.56	ug/l	# 85
19) Methyl tert-butyl Ether	5.06	73	13309	1.04	ug/l	92
20) Methylene Chloride	4.54	84	6187	1.17	ug/l	# 84
21) trans-1,2-Dichloroethene	5.04	96	5133	1.07	ug/l	97
22) Diisopropyl ether	5.97	45	17771	0.99	ug/l	# 88
23) Vinyl Acetate	5.90	43	45856	3.78	ug/l	97
24) 1,1-Dichloroethane	5.85	63	9857	1.03	ug/l	# 92
25) 2-Butanone	6.85	43	9234	4.17	ug/l	# 85
27) cis-1,2-Dichloroethene	6.83	96	5798	1.07	ug/l	44
28) Bromochloromethane	7.20	49	4965	1.04	ug/l	# 35
29) Tetrahydrofuran	7.23	42	7472	4.85	ug/l	# 78
30) Chloroform	7.38	83	9393	1.03	ug/l	# 83
32) 1,1,1-Trichloroethane	7.57	97	7648	1.02	ug/l	# 41
36) 1,1-Dichloropropene	7.79	75	6884	0.97	ug/l	97
38) Carbon Tetrachloride	7.77	117	8472	1.21	ug/l	96
39) Methylcyclohexane	9.08	83	7835	0.99	ug/l	# 86
40) Benzene	8.04	78	20809	1.01	ug/l	99
41) Methacrylonitrile	7.19	41	2904	0.97	ug/l	# 35

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	8.12	62	7575	1.03	ug/l	99
43) Isopropyl Acetate	8.17	43	6668	0.77	ug/l #	79
44) Trichloroethene	8.83	130	5294	0.99	ug/l	78
45) 1,2-Dichloropropane	9.12	63	6056	1.03	ug/l	93
46) Dibromomethane	9.21	93	3426	1.03	ug/l	85
47) Bromodichloromethane	9.40	83	6412	0.93	ug/l	98
48) Methyl methacrylate	9.20	41	5002	1.07	ug/l #	73
49) 1,4-Dioxane	9.21	88	715	15.43	ug/l #	45
51) 4-Methyl-2-Pentanone	9.99	43	21048	4.35	ug/l	90
52) Toluene	10.15	92	12258	1.00	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	5193	0.80	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	6068	0.78	ug/l #	74
55) 1,1,2-Trichloroethane	10.56	97	4783	1.04	ug/l	93
56) Ethyl methacrylate	10.43	69	5264	0.88	ug/l #	67
57) 1,3-Dichloropropane	10.71	76	7475	0.95	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	8592	13.54	ug/l	91
59) 2-Hexanone	10.76	43	13508	4.36	ug/l	90
60) Dibromochloromethane	10.90	129	3869	0.83	ug/l	90
61) 1,2-Dibromoethane	11.01	107	4094	0.94	ug/l	89
64) Tetrachloroethene	10.63	164	5086	1.07	ug/l #	90
65) Chlorobenzene	11.43	112	11999	0.99	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	4318	0.95	ug/l #	65
67) Ethyl Benzene	11.51	91	21262	0.97	ug/l	97
68) m/p-Xylenes	11.62	106	16073	1.99	ug/l	96
69) o-Xylene	11.95	106	7971	1.00	ug/l	97
70) Styrene	11.96	104	10980	0.87	ug/l	96
71) Bromoform	12.13	173	2096	0.79	ug/l #	97
73) Isopropylbenzene	12.25	105	19443	1.16	ug/l	99
74) N-amyl acetate	12.07	43	5539	1.06	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.50	83	5180	Below	Cal	97
77) Bromobenzene	12.53	156	4731	1.17	ug/l	75
78) n-propylbenzene	12.59	91	20694	1.12	ug/l	93
79) 2-Chlorotoluene	12.67	91	13666	1.20	ug/l	92
80) 1,3,5-Trimethylbenzene	12.73	105	15993	1.16	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.31	75	911	0.99	ug/l #	47
82) 4-Chlorotoluene	12.77	91	11934	1.08	ug/l	100
83) tert-Butylbenzene	12.99	119	14608	Below	Cal	94
84) 1,2,4-Trimethylbenzene	13.04	105	12964	0.99	ug/l	95
85) sec-Butylbenzene	13.17	105	16441	1.10	ug/l	96
86) p-Isopropyltoluene	13.29	119	13845	1.05	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	7189	1.06	ug/l	86
88) 1,4-Dichlorobenzene	13.28	146	7189	1.08	ug/l	85
89) n-Butylbenzene	13.61	91	11031	1.03	ug/l	93
90) Hexachloroethane	13.87	117	2434	1.09	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	8314	1.22	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	543	0.95	ug/l	91
93) 1,2,4-Trichlorobenzene	14.91	180	3299	1.00	ug/l	95
94) Hexachlorobutadiene	15.00	225	2672	Below	Cal	86
95) Naphthalene	15.13	128	7296	0.99	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.32	180	3527	1.06	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

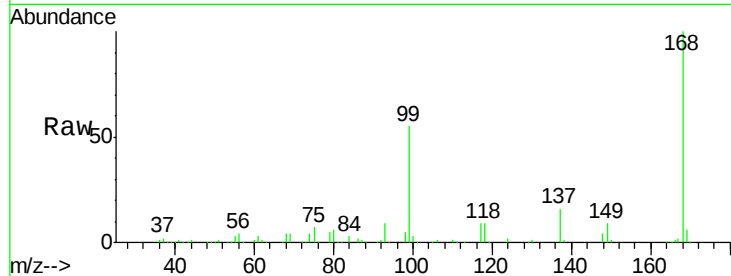
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 466570

Ion Ratio Lower Upper

168 100

99 54.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

150000

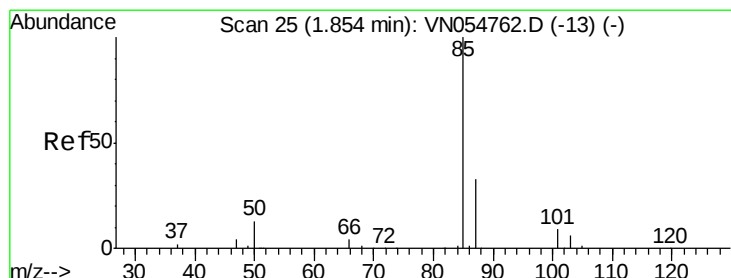
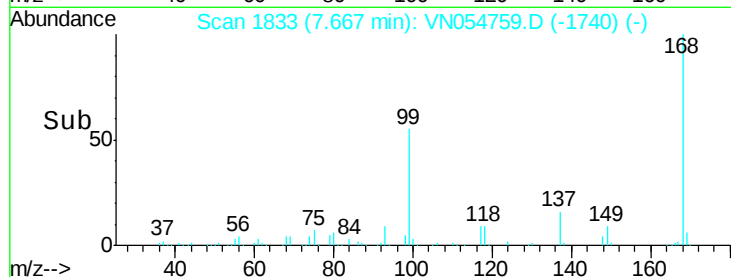
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 1.13 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054759.D

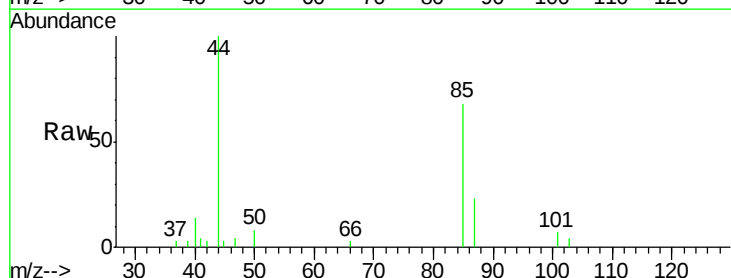
Acq: 29 Mar 2019 10:00

Tgt Ion: 85 Resp: 5315

Ion Ratio Lower Upper

85 100

87 33.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

4000

3000

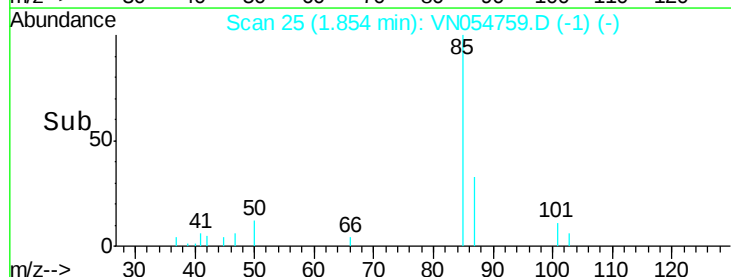
2000

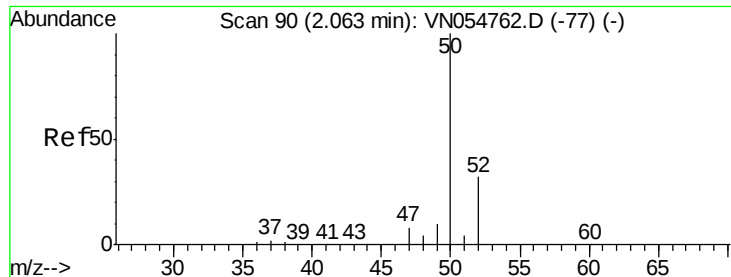
1000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.09 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

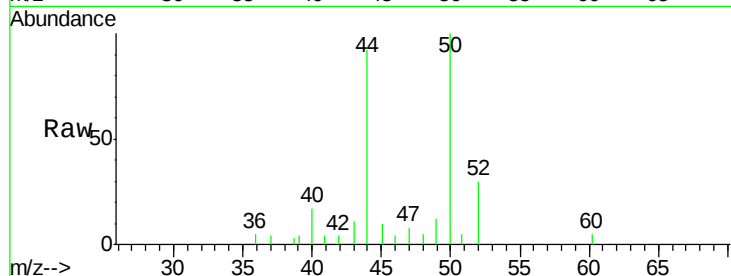
ClientSampled :

Tot Ion: 50 Resp: 7123

Ion Ratio Lower Upper

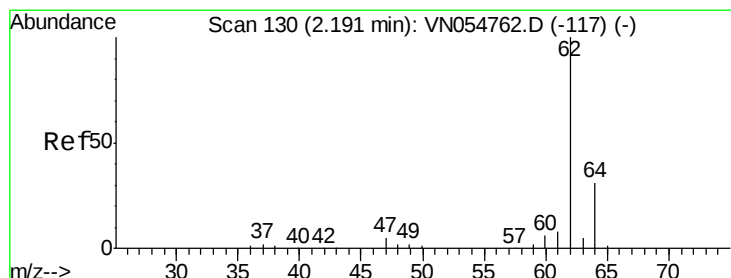
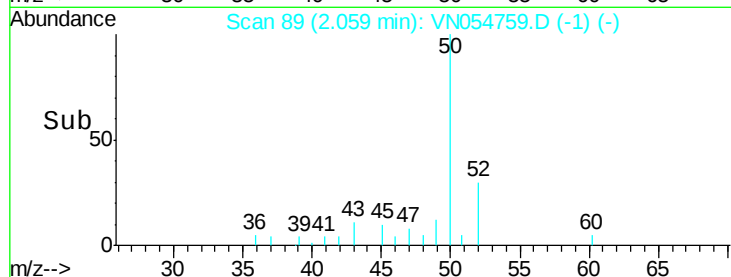
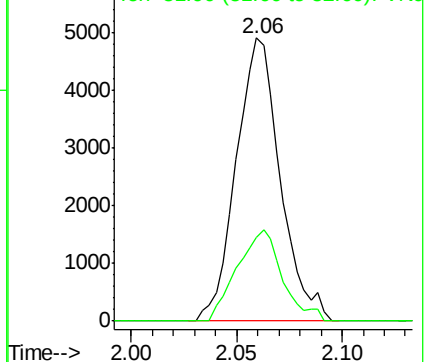
50 100

52 29.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 1.13 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054759.D

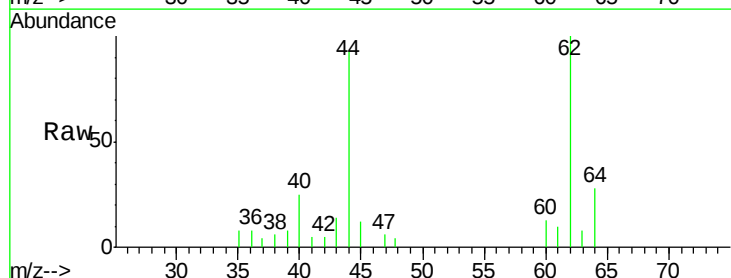
Acq: 29 Mar 2019 10:00

Tgt Ion: 62 Resp: 6606

Ion Ratio Lower Upper

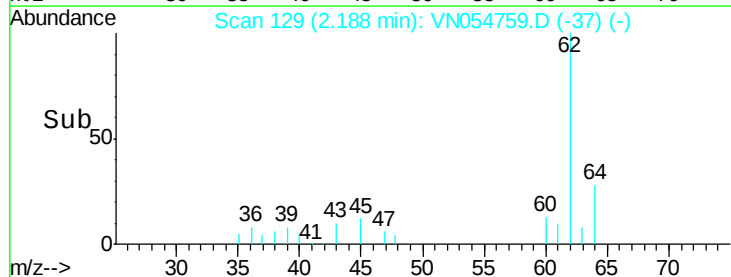
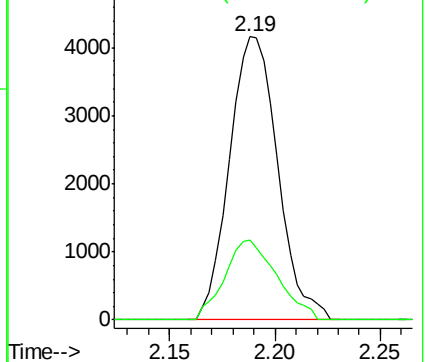
62 100

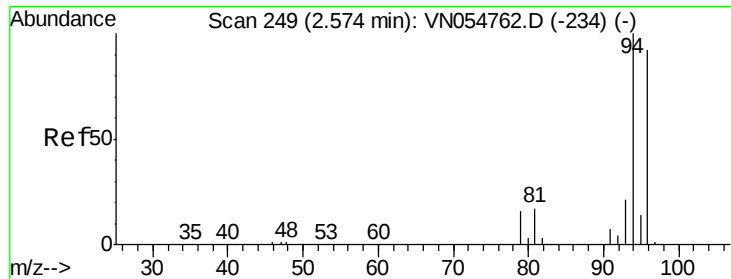
64 28.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

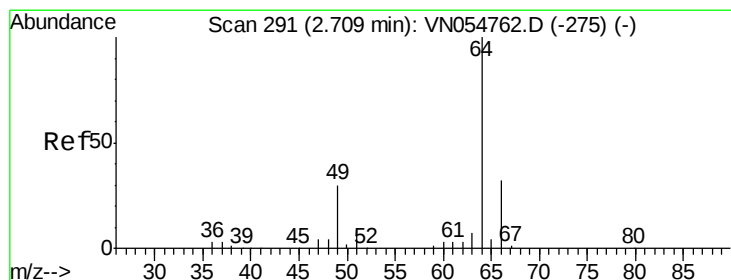
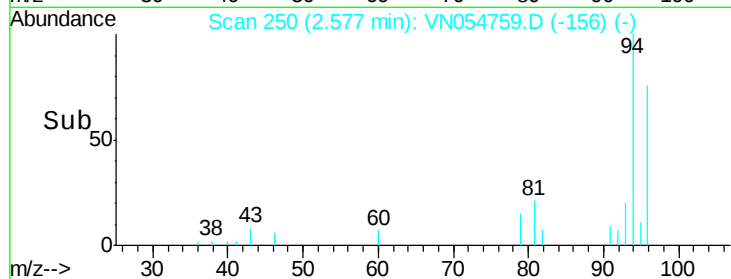
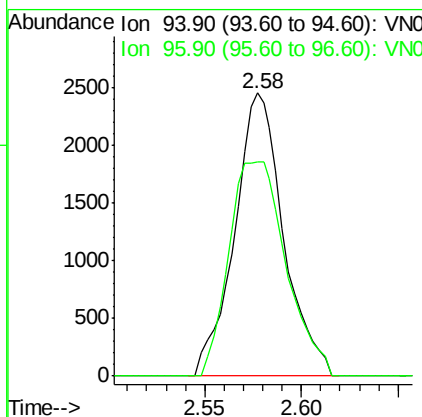
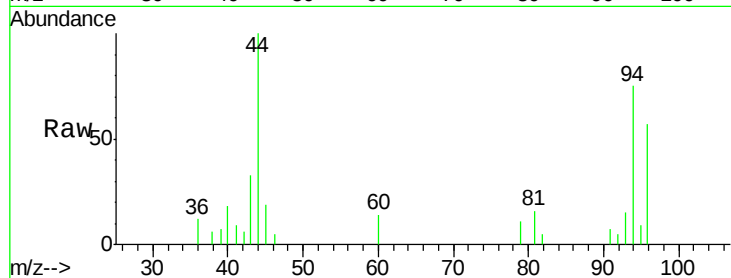




#5
Bromomethane
Concen: Below Cal
RT: 2.58 min Scan# 250
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

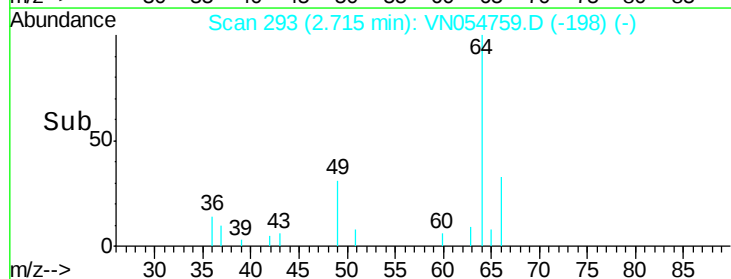
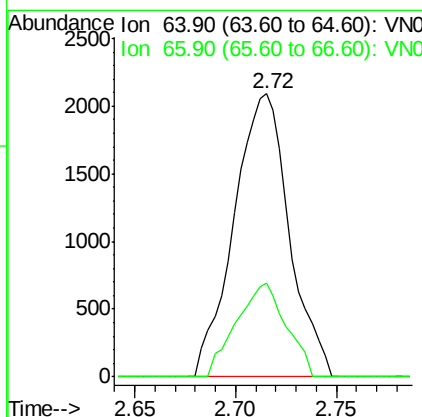
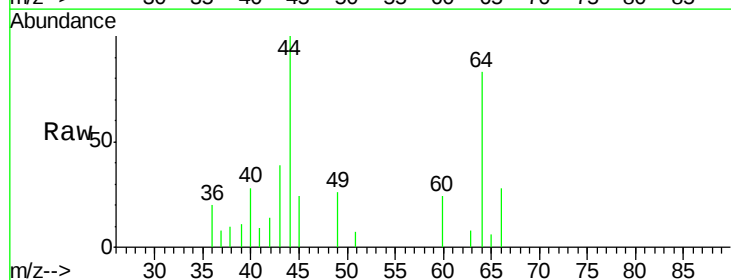
Instrument :
MSVOA_N
ClientSampled :

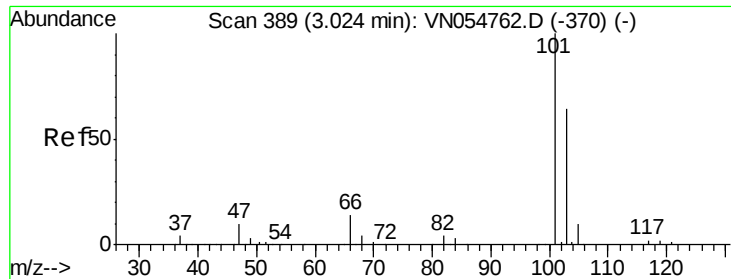
Tot Ion: 94 Resp: 4307
Ion Ratio Lower Upper
94 100
96 75.8 77.0 115.4#



#6
Chloroethane
Concen: 1.22 ug/l
RT: 2.72 min Scan# 293
Delta R.T. 0.01 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 64 Resp: 3994
Ion Ratio Lower Upper
64 100
66 33.0 25.7 38.5





#7

Trichlorofluoromethane

Concen: 1.11 ug/l

RT: 3.02 min Scan# 389

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

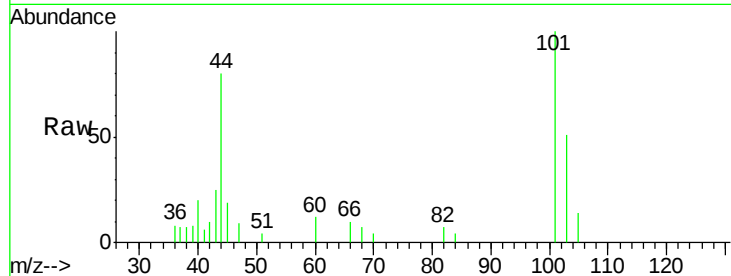
ClientSampleId :

Tot Ion:101 Resp: 8004

Ion Ratio Lower Upper

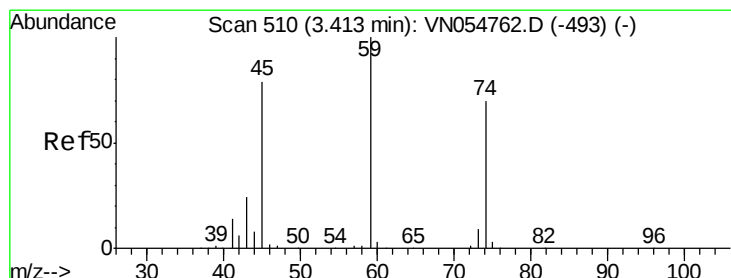
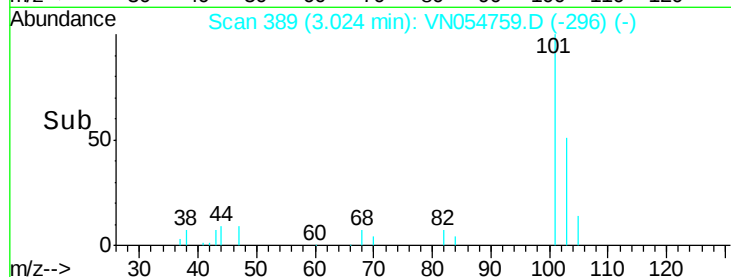
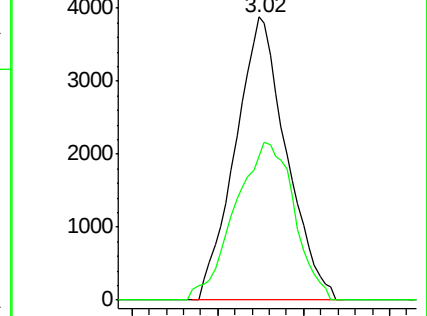
101 100

103 51.0 51.4 77.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.12 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN054759.D

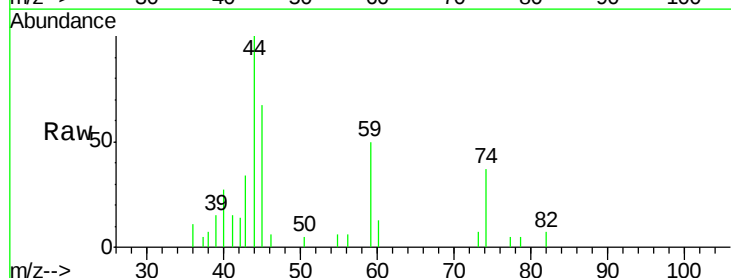
Acq: 29 Mar 2019 10:00

Tgt Ion: 74 Resp: 2601

Ion Ratio Lower Upper

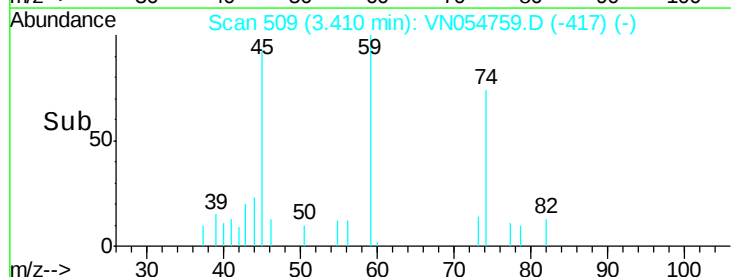
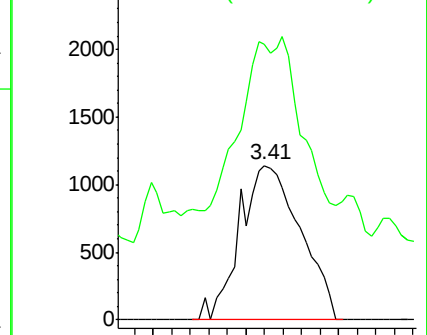
74 100

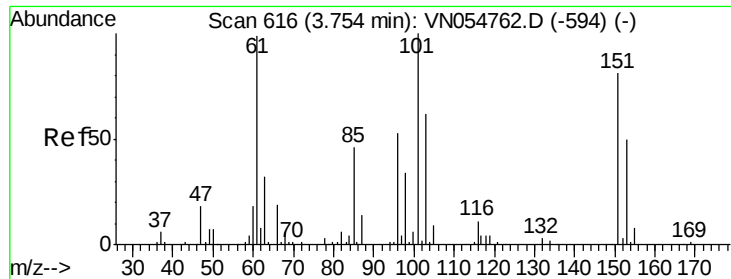
45 56.2 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNC

Ion 45.00 (44.70 to 45.70): VNC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.84 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

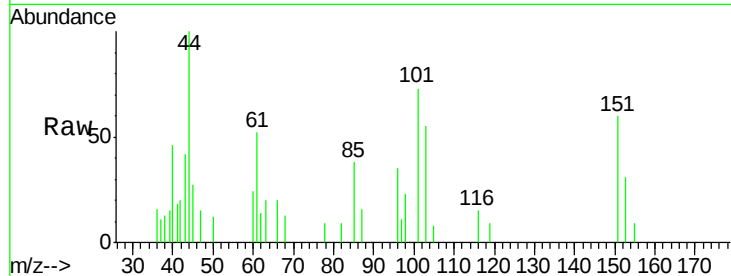
Tot Ion:101 Resp: 2989

Ion Ratio Lower Upper

101 100

85 67.4 32.4 48.6#

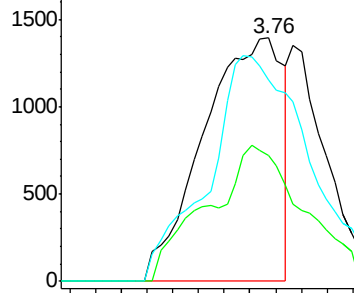
151 116.7 68.2 102.2#



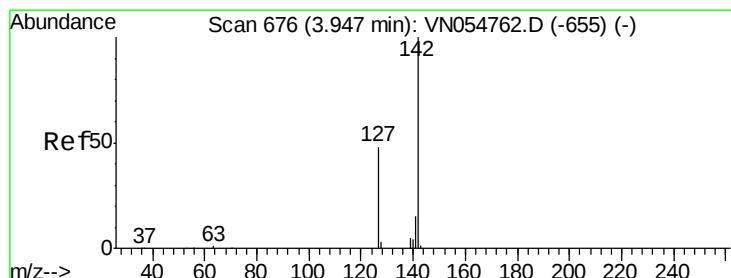
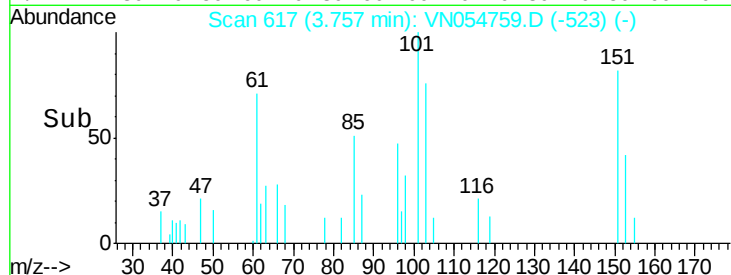
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN054759.D (-523) (-)

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 1.00 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

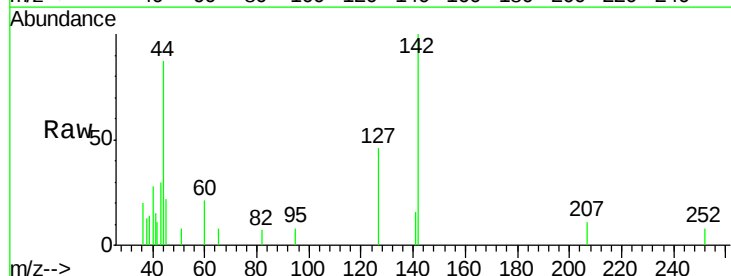
Tgt Ion:142 Resp: 5179

Ion Ratio Lower Upper

142 100

127 47.9 30.3 45.5#

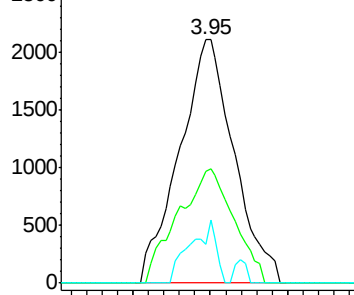
141 12.2 11.2 16.8



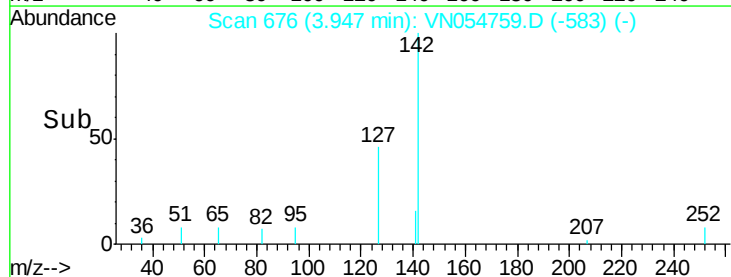
Abundance Ion 141.80 (141.50 to 142.50): V

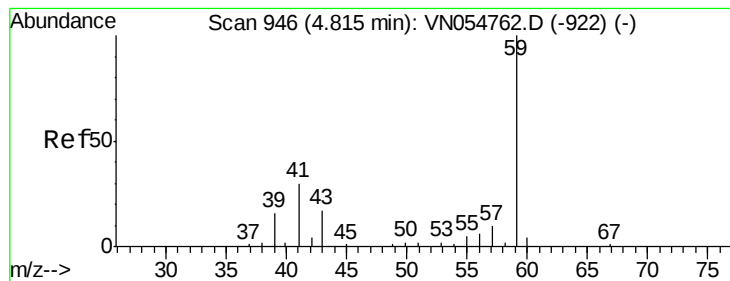
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



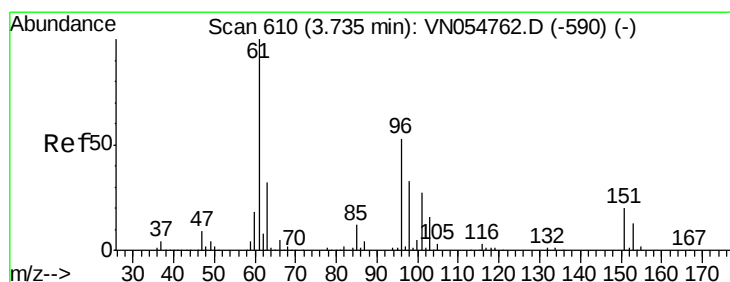
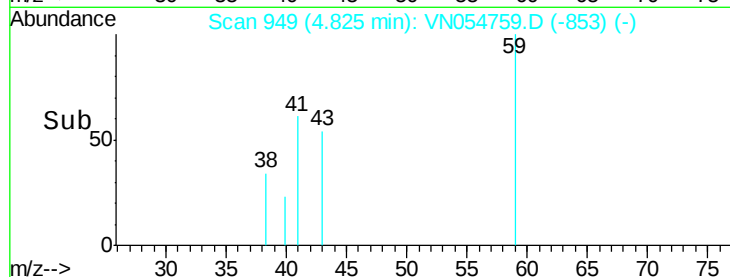
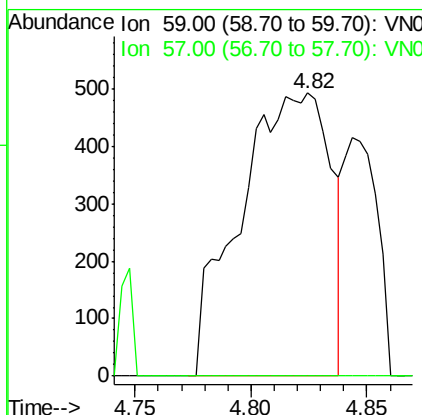
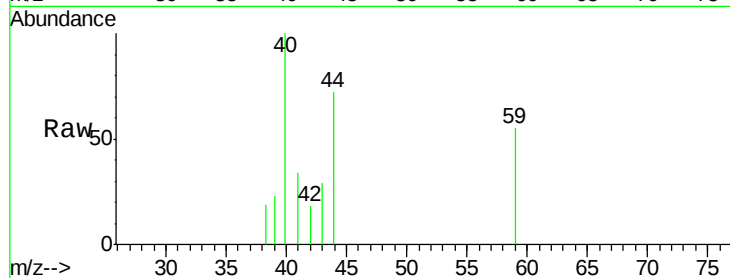


#11

Tert butyl alcohol
 Concen: 4.05 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampled :

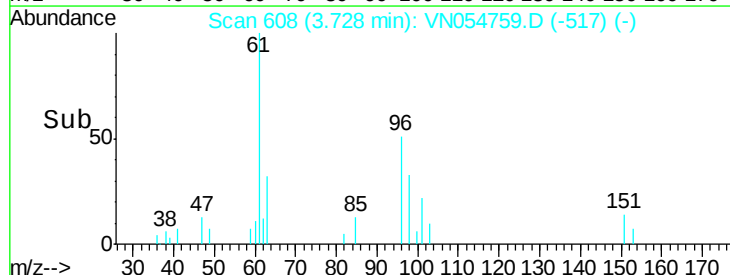
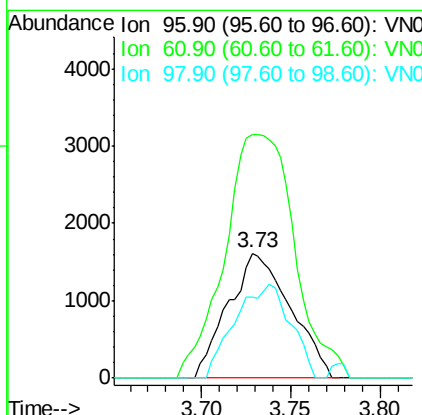
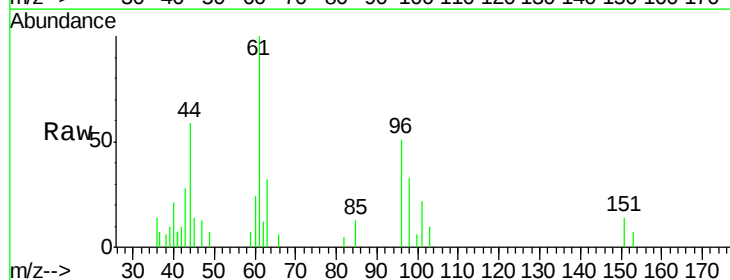
Tot Ion: 59 Resp: 1341
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

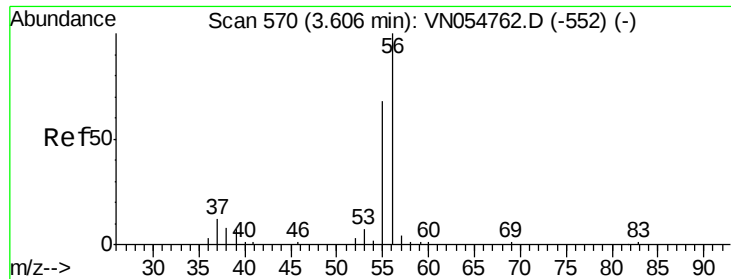


#12

1,1-Dichloroethene
 Concen: 1.07 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion: 96 Resp: 3924
 Ion Ratio Lower Upper
 96 100
 61 177.0 116.5 174.7#
 98 65.0 51.0 76.4





#13

Acrolein

Concen: 2.65 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

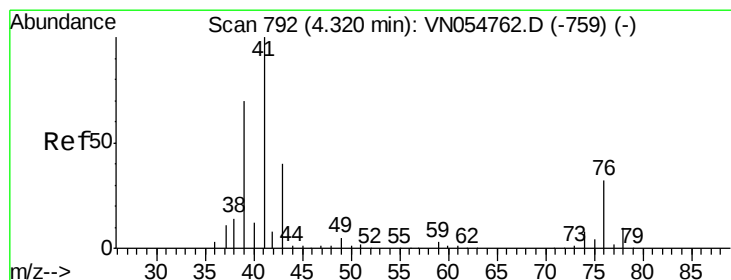
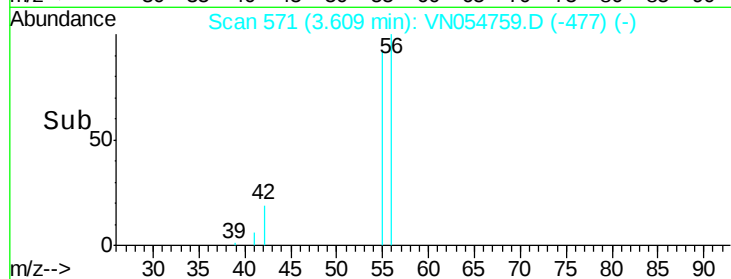
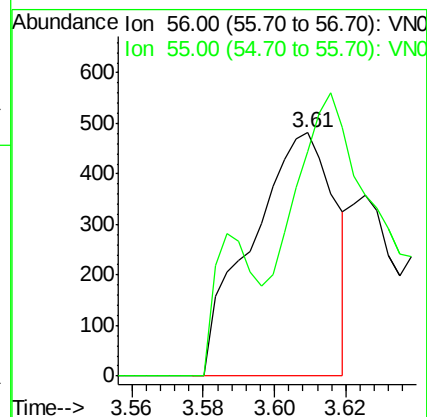
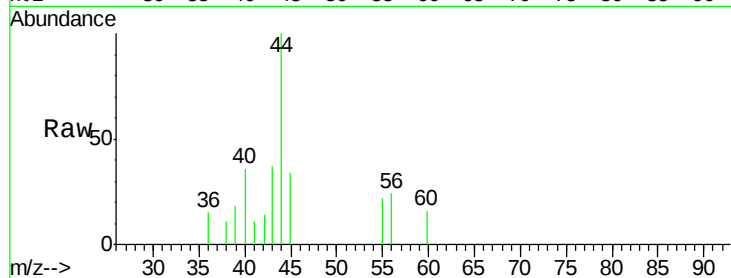
ClientSampled :

Tot Ion: 56 Resp: 775

Ion Ratio Lower Upper

56 100

55 128.6 56.7 85.1#



#14

Allyl chloride

Concen: 1.10 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

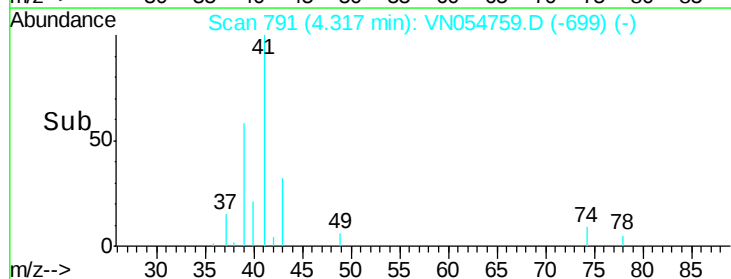
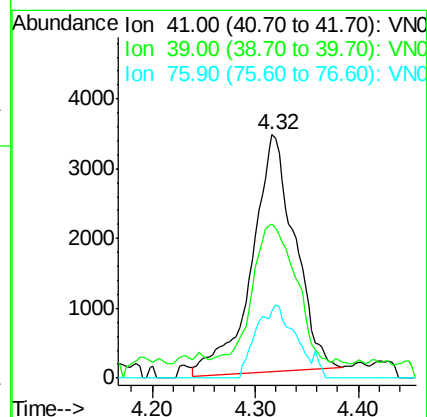
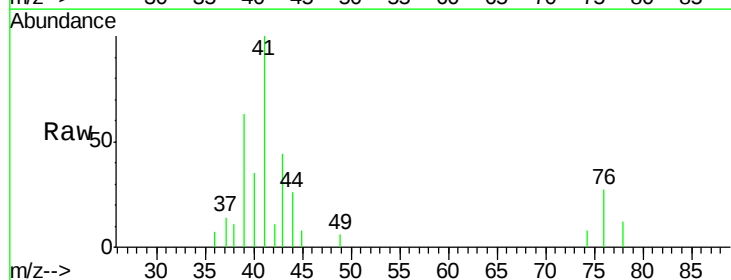
Tgt Ion: 41 Resp: 9865

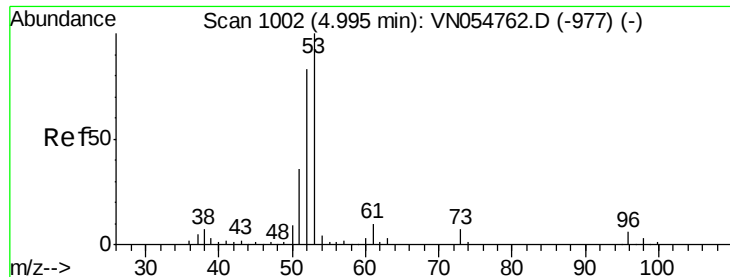
Ion Ratio Lower Upper

41 100

39 57.4 58.2 87.4#

76 27.3 31.7 47.5#





#15

Acrylonitrile

Concen: 5.02 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

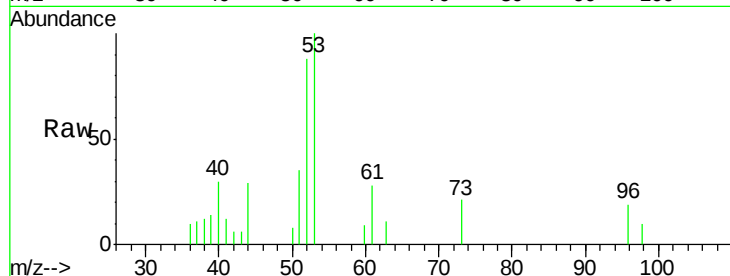
Tot Ion: 53 Resp: 9140

Ion Ratio Lower Upper

53 100

52 80.7 66.4 99.6

51 7.7 29.6 44.4#

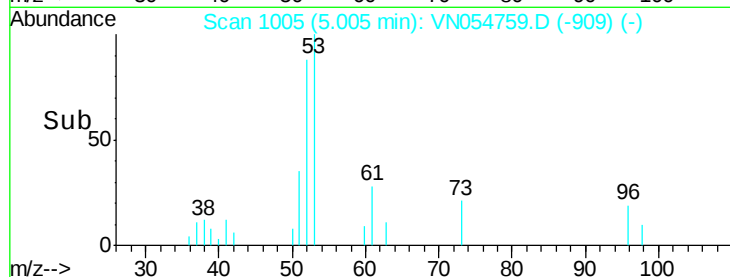


Abundance Ion 53.00 (52.70 to 53.70): VN054762.D (-977) (-)

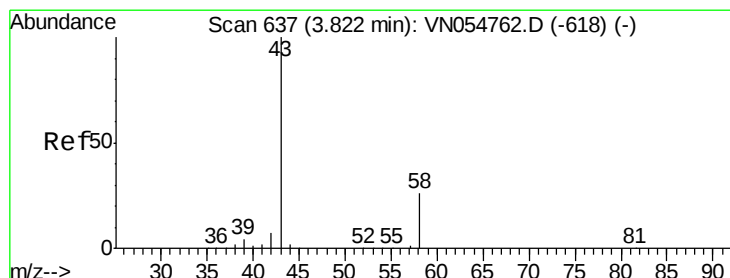
Ion 52.00 (51.70 to 52.70): VN054762.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN054762.D (-977) (-)

Time-->



Time-->



#16

Acetone

Concen: 5.49 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054759.D

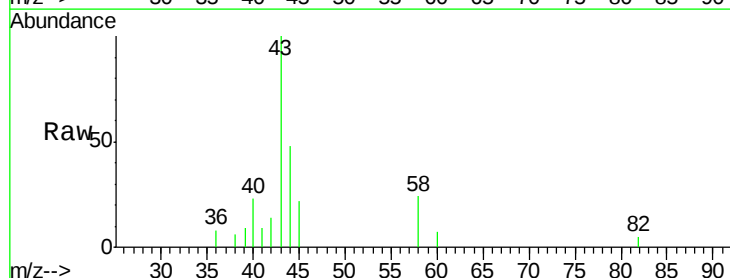
Acq: 29 Mar 2019 10:00

Tgt Ion: 43 Resp: 8227

Ion Ratio Lower Upper

43 100

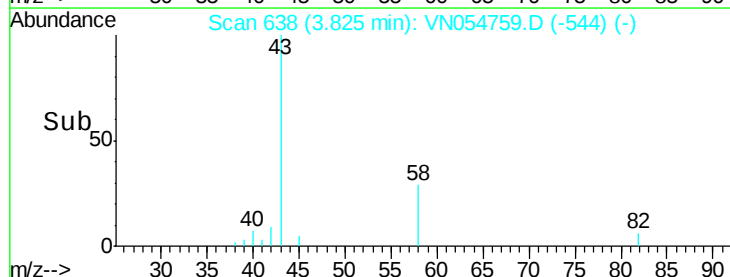
58 29.1 29.9 44.9#



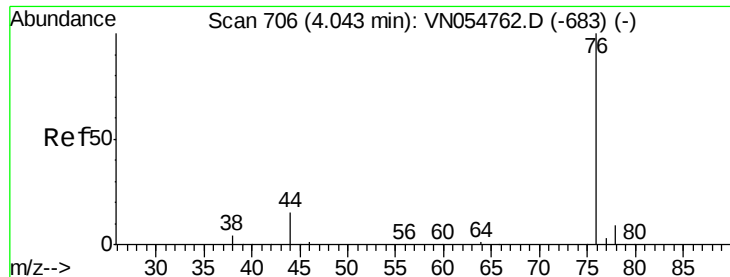
Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-618) (-)

Time-->



Time-->



#17

Carbon Disulfide

Concen: 1.04 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

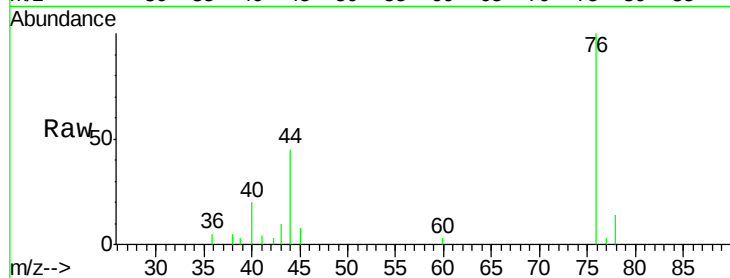
ClientSampled :

Tot Ion: 76 Resp: 12398

Ion Ratio Lower Upper

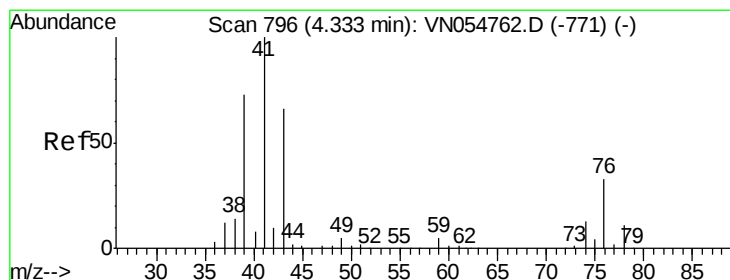
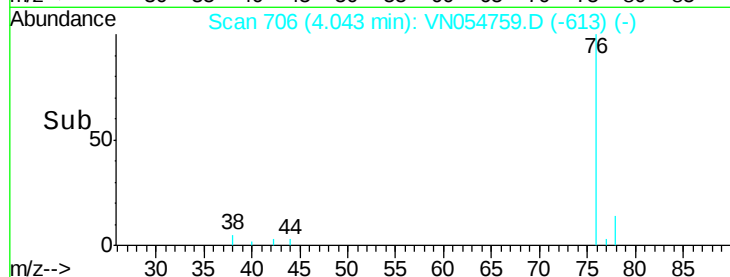
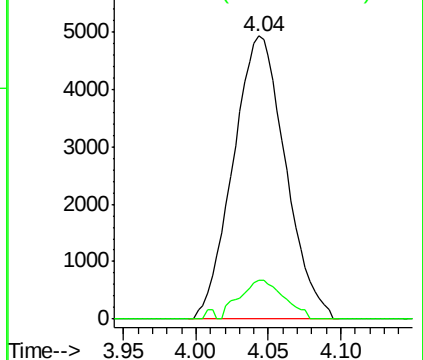
76 100

78 13.9 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 0.56 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054759.D

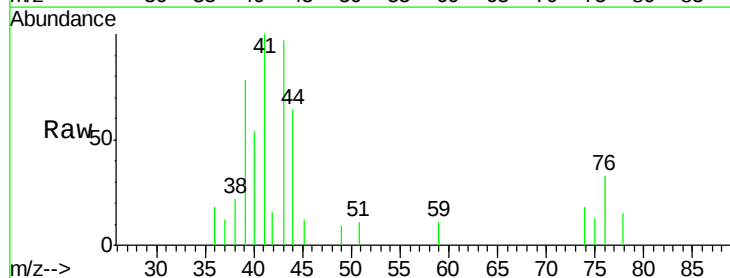
Acq: 29 Mar 2019 10:00

Tgt Ion: 43 Resp: 5745

Ion Ratio Lower Upper

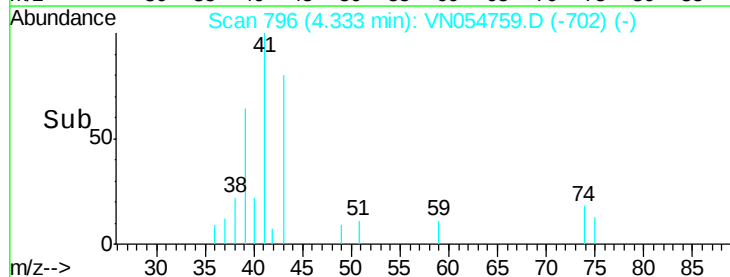
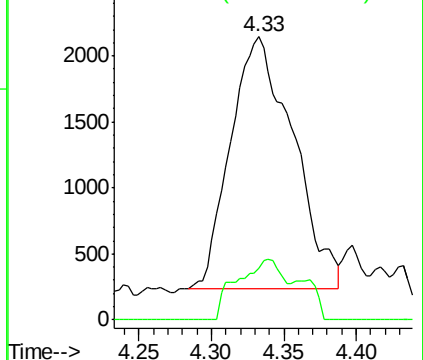
43 100

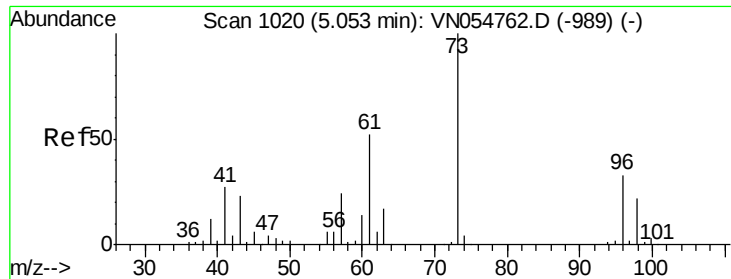
74 18.3 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

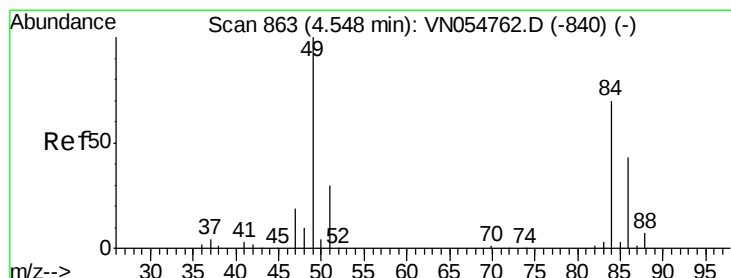
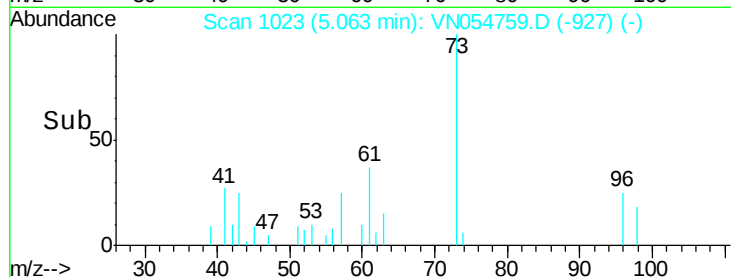
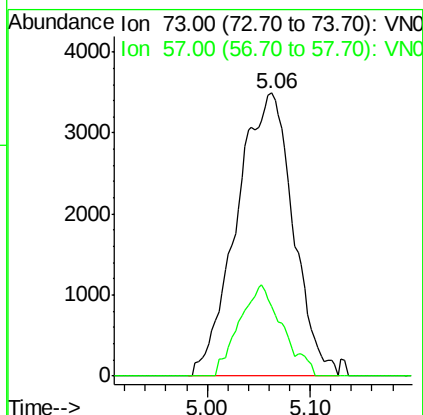
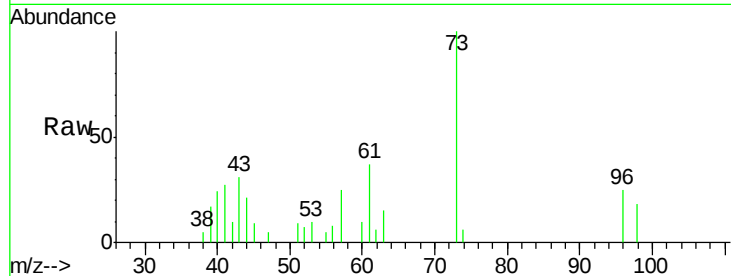




#19
Methvl tert-butvl Ether
Concen: 1.04 ug/l
RT: 5.06 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

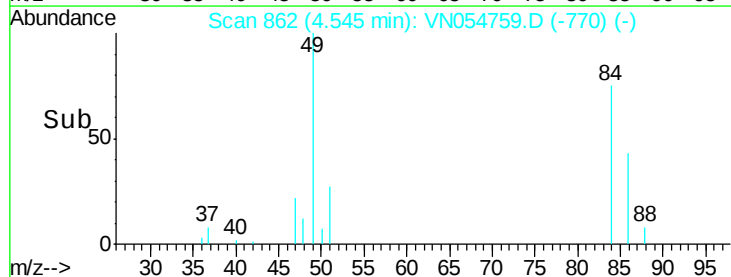
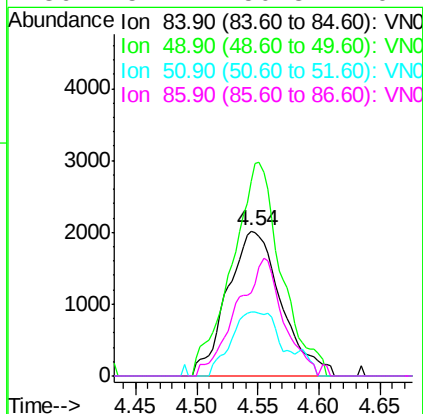
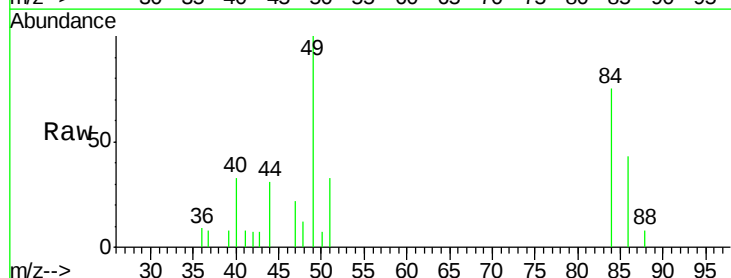
Instrument :
MSVOA_N
ClientSampleId :

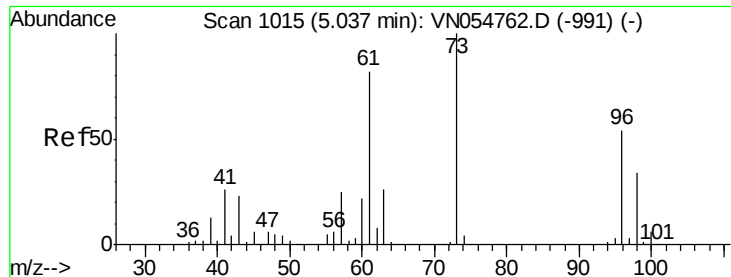
Tot Ion: 73 Resp: 13309
Ion Ratio Lower Upper
73 100
57 24.5 16.8 25.2



#20
Methylene Chloride
Concen: 1.17 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 84 Resp: 6187
Ion Ratio Lower Upper
84 100
49 134.2 89.7 134.5
51 43.8 28.2 42.4#
86 57.4 50.8 76.2

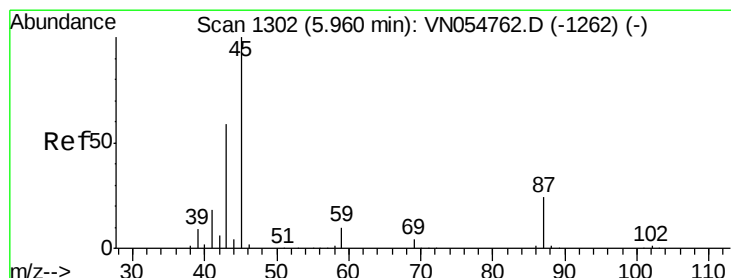
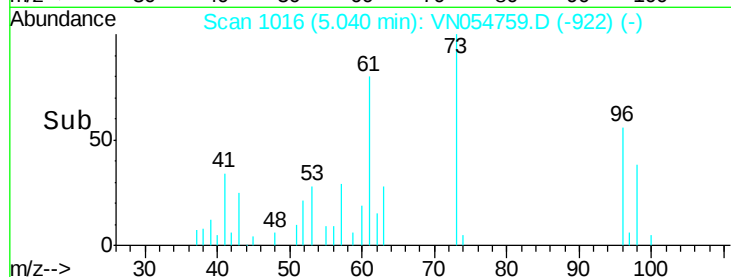
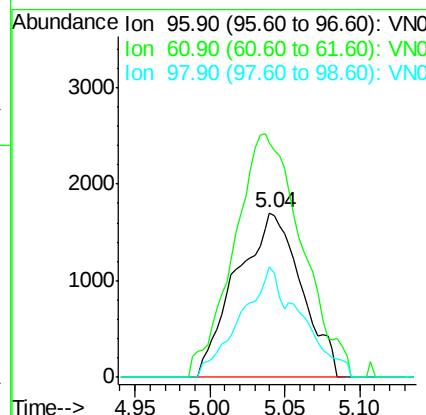
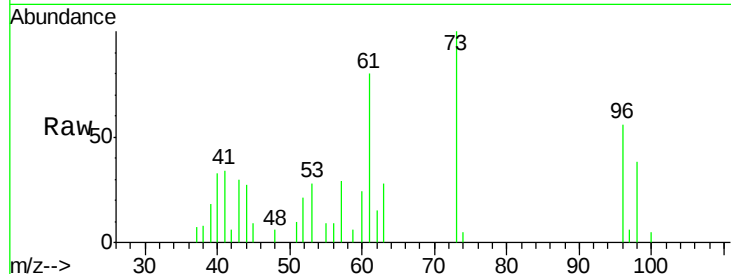




#21
trans-1,2-Dichloroethene
Concen: 1.07 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

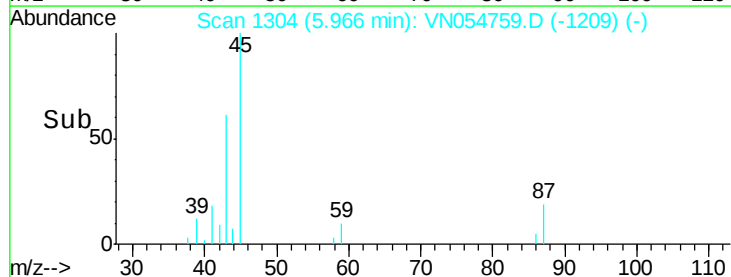
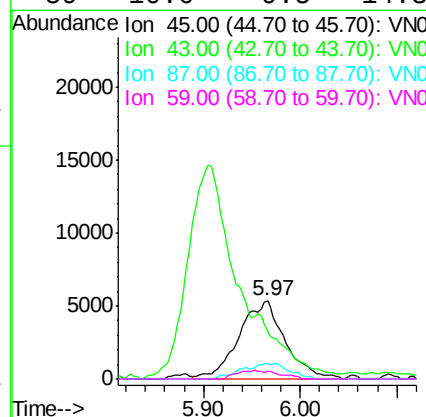
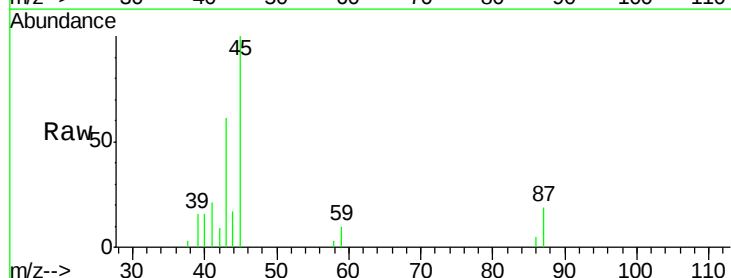
Instrument :
MSVOA_N
ClientSampleId :

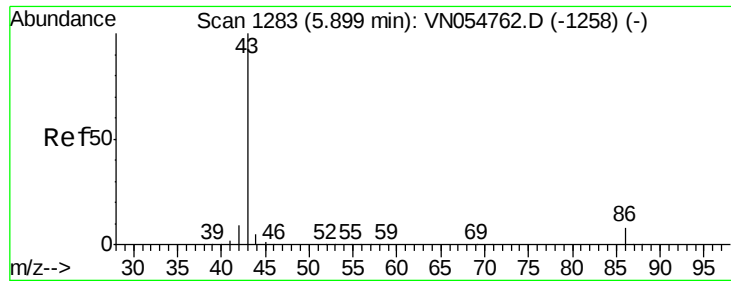
Tot Ion: 96 Resp: 5133
Ion Ratio Lower Upper
96 100
61 129.9 102.8 154.2
98 67.2 50.0 75.0



#22
Diisopropyl ether
Concen: 0.99 ug/l
RT: 5.97 min Scan# 1304
Delta R.T. 0.01 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 45 Resp: 17771
Ion Ratio Lower Upper
45 100
43 54.2 48.2 72.2
87 19.1 24.9 37.3#
59 10.0 9.5 14.3





#23

Vinyl Acetate

Concen: 3.78 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

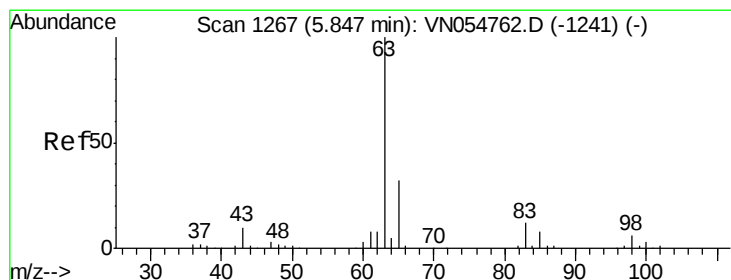
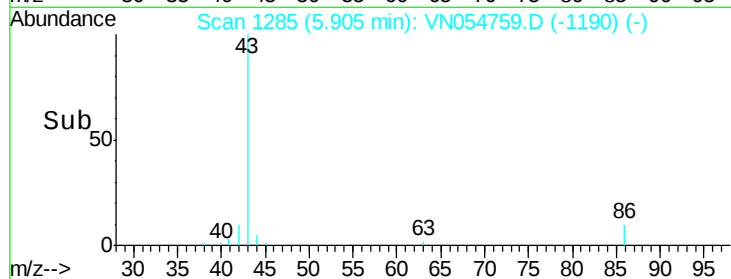
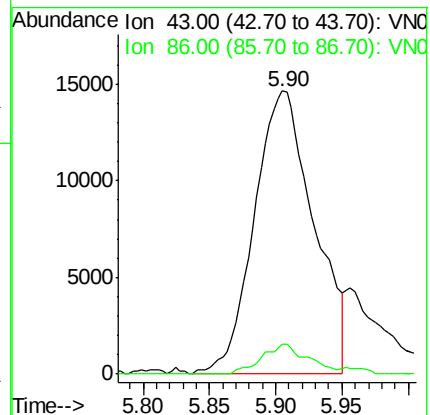
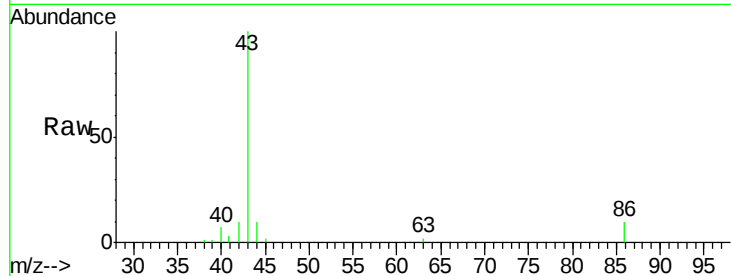
ClientSampleId :

Tot Ion: 43 Resp: 45856

Ion Ratio Lower Upper

43 100

86 10.4 9.1 13.7



#24

1,1-Dichloroethane

Concen: 1.03 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

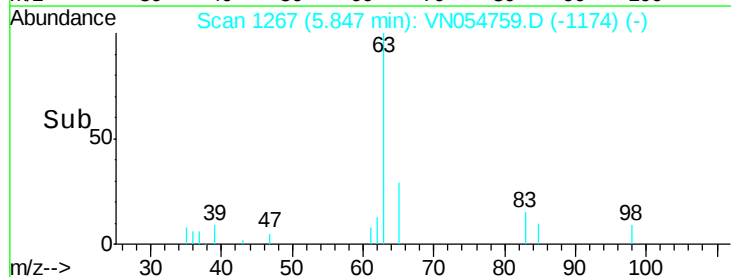
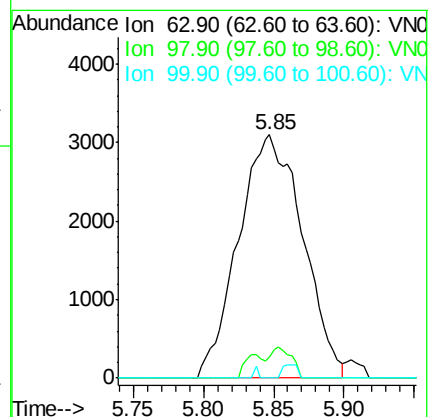
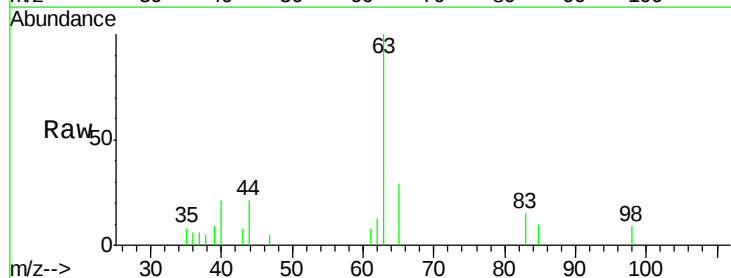
Tgt Ion: 63 Resp: 9857

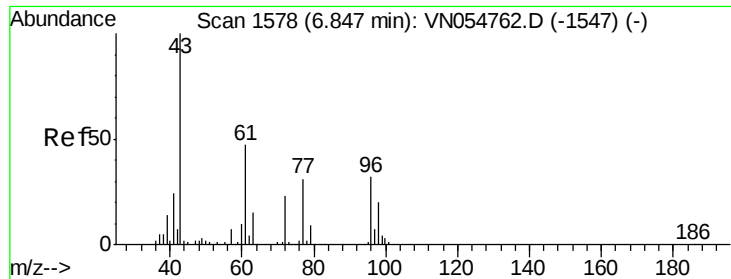
Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.5

100 0.0 2.0 6.0#





#25

2-Butanone

Concen: 4.17 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

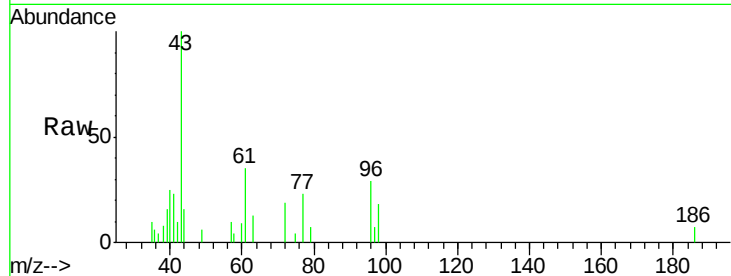
ClientSampled :

Tot Ion: 43 Resp: 9234

Ion Ratio Lower Upper

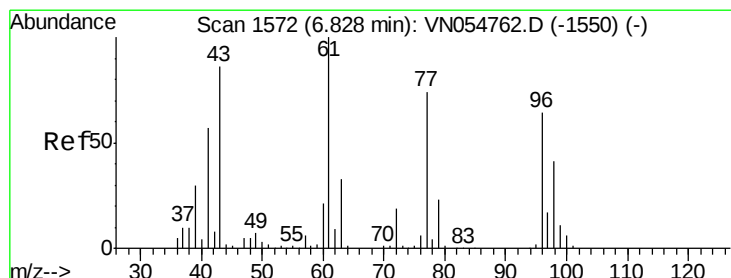
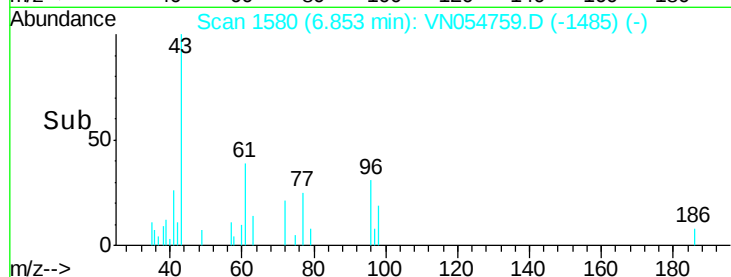
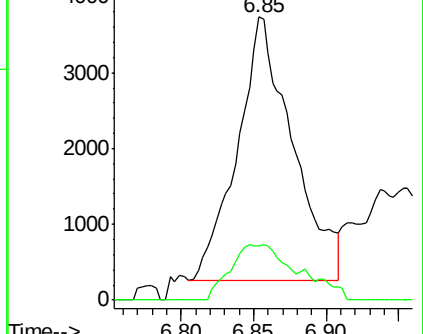
43 100

72 20.6 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 1.07 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

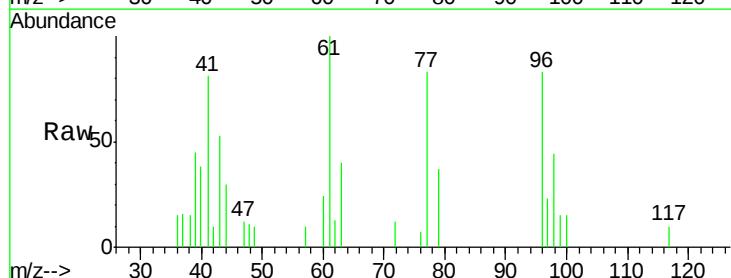
Tgt Ion: 96 Resp: 5798

Ion Ratio Lower Upper

96 100

61 59.9 0.0 273.0

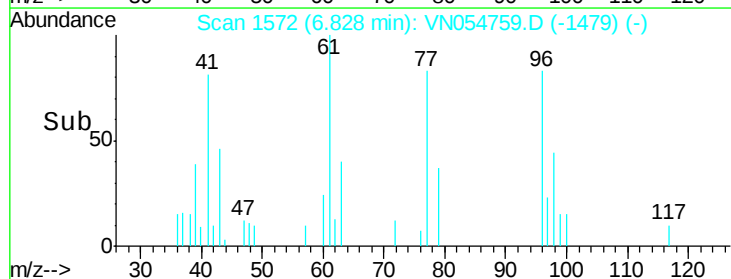
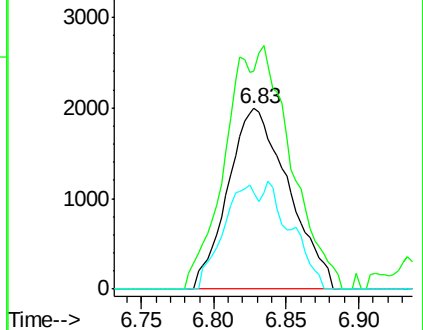
98 33.3 0.0 130.6

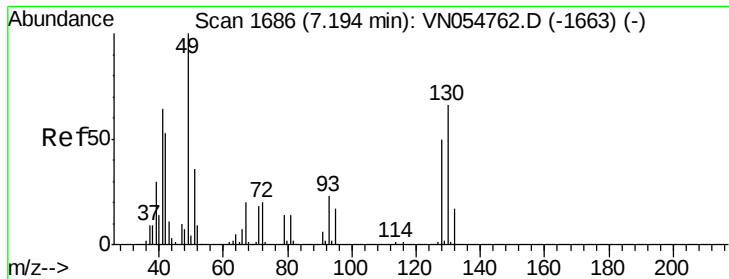


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#28

Bromochloromethane

Concen: 1.04 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampled :

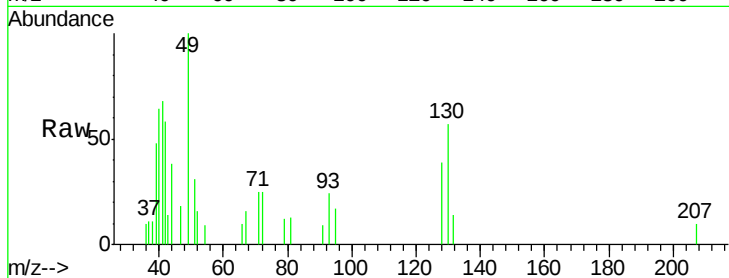
Tot Ion: 49 Resp: 4965

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 30.6 76.7 115.1#

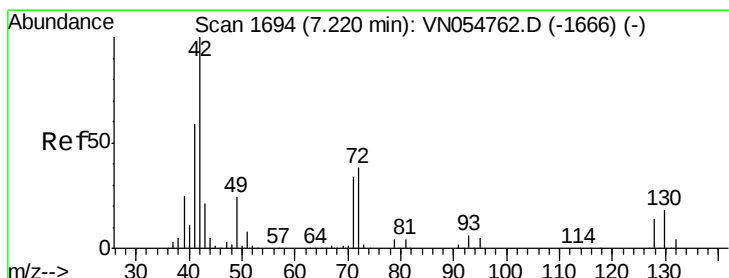
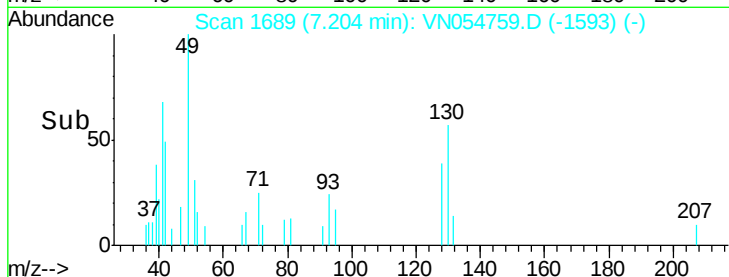


Abundance Ion 48.90 (48.60 to 49.60): VN054762.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN054762.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN054762.D (-1663) (-)

Time-->



#29

Tetrahydrofuran

Concen: 4.85 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

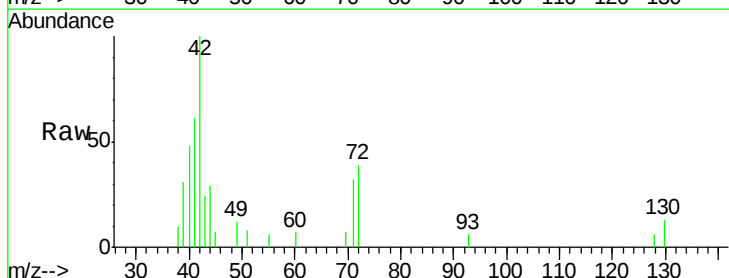
Tgt Ion: 42 Resp: 7472

Ion Ratio Lower Upper

42 100

72 38.2 37.8 56.6

71 24.3 36.2 54.2#

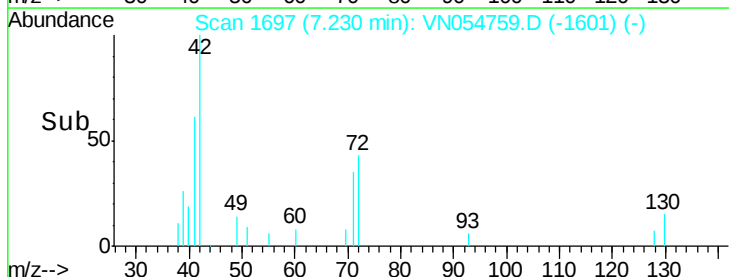


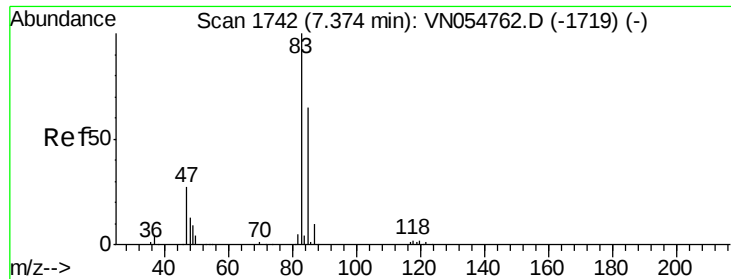
Abundance Ion 42.00 (41.70 to 42.70): VN054762.D (-1666) (-)

Ion 72.00 (71.70 to 72.70): VN054762.D (-1666) (-)

Ion 71.00 (70.70 to 71.70): VN054762.D (-1666) (-)

Time-->

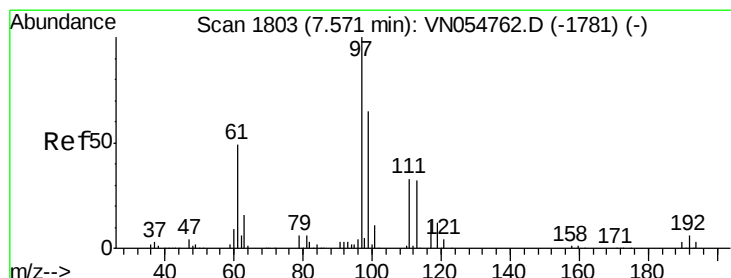
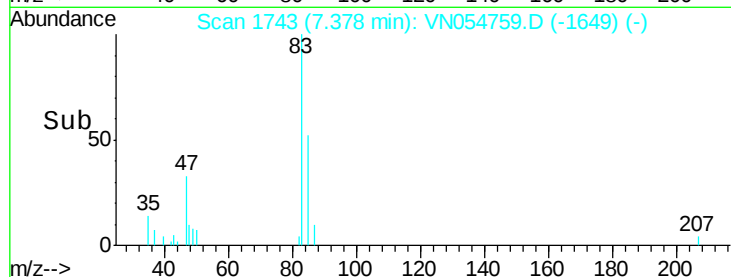
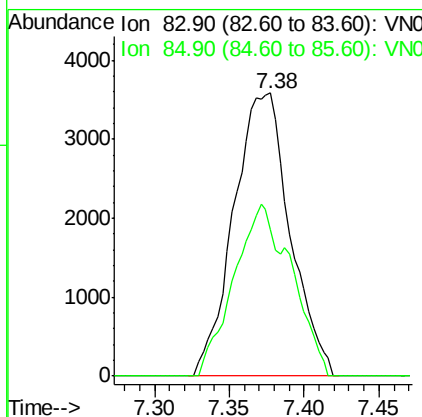
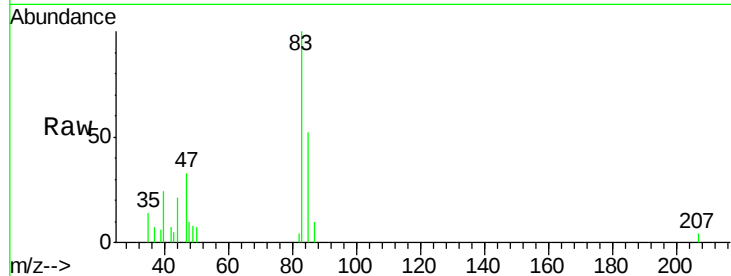




#30
Chloroform
Concen: 1.03 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

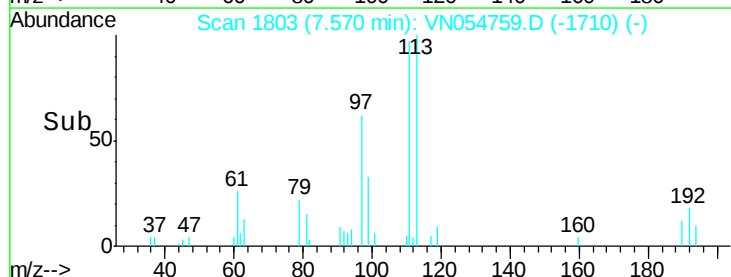
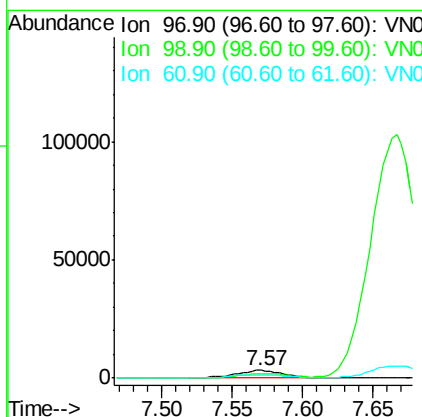
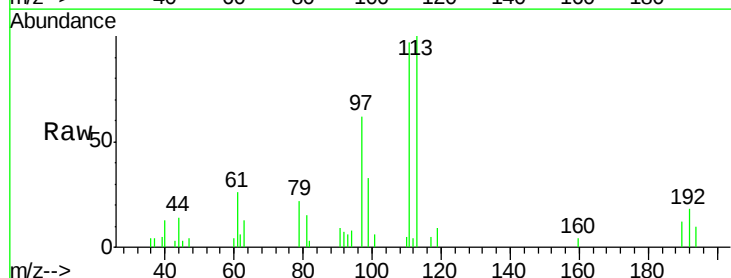
Instrument :
MSVOA_N
ClientSampleId :

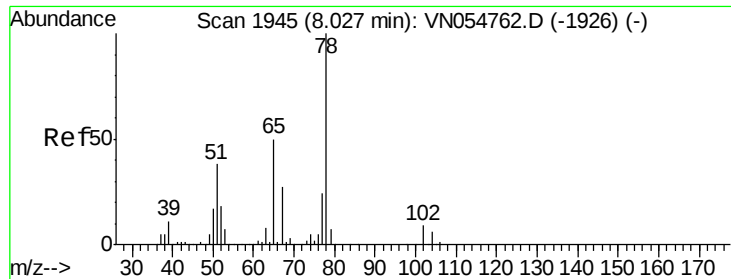
Tot Ion: 83 Resp: 9393
Ion Ratio Lower Upper
83 100
85 51.8 52.2 78.4#



#32
1,1,1-Trichloroethane
Concen: 1.02 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 97 Resp: 7648
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3#
61 26.4 33.6 50.4#





#33

1,2-Dichloroethane-d4

Concen: 5.65 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

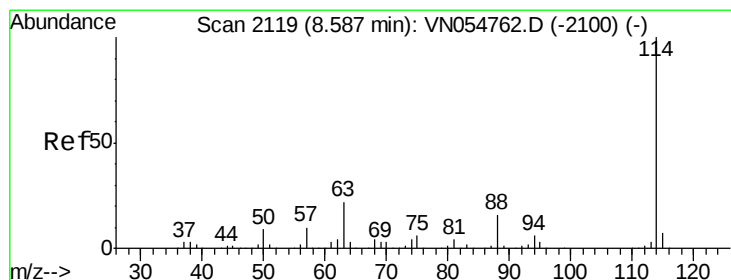
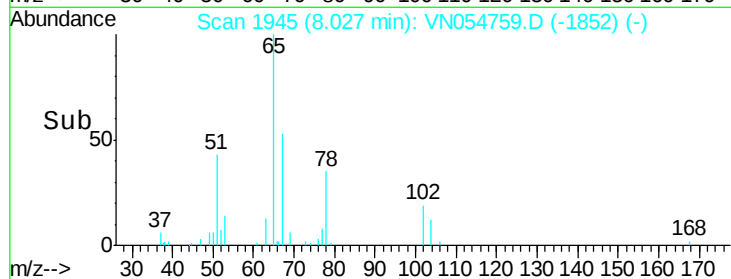
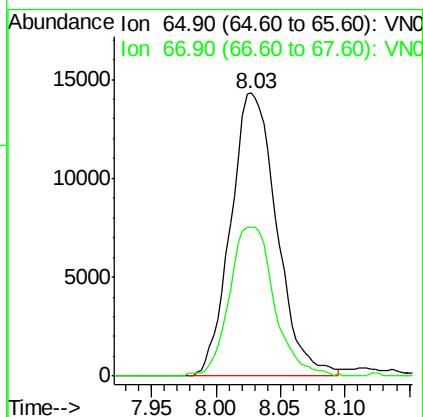
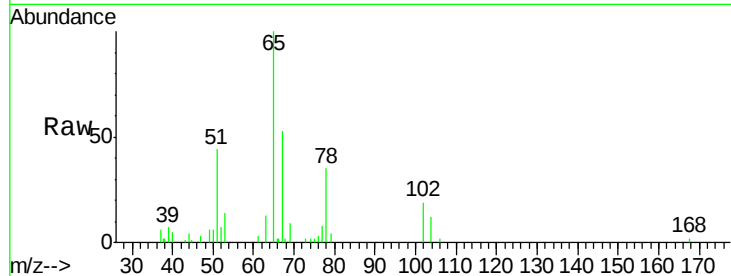
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 35538

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

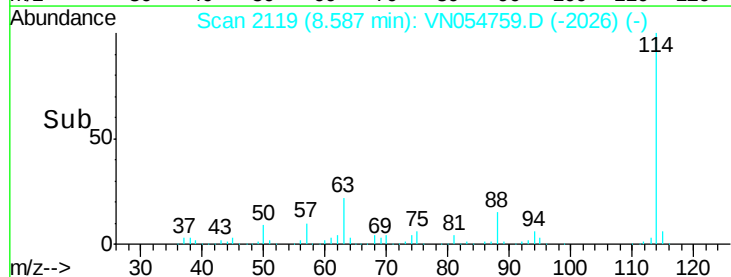
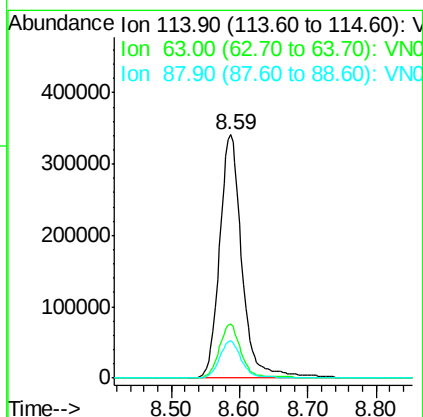
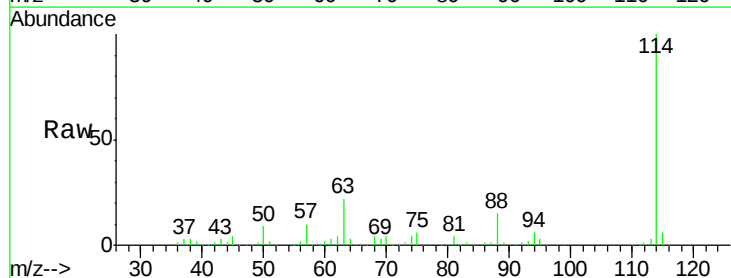
Tgt Ion: 114 Resp: 776003

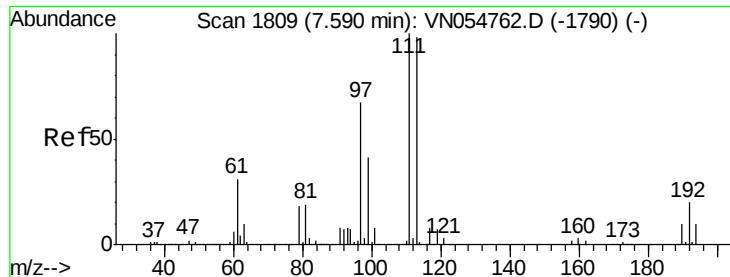
Ion Ratio Lower Upper

114 100

63 22.1 0.0 35.2

88 15.3 0.0 30.2

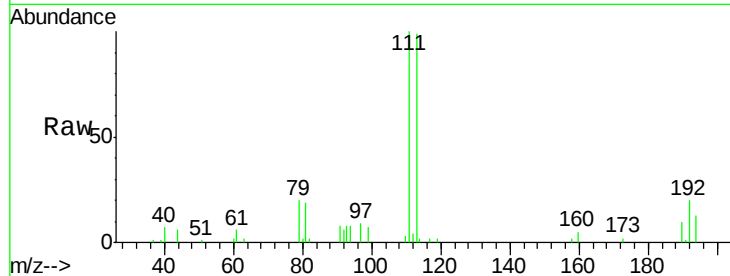




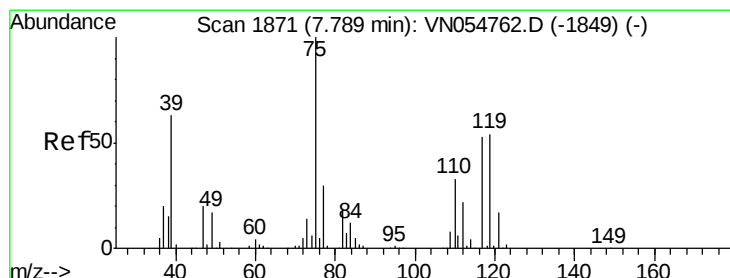
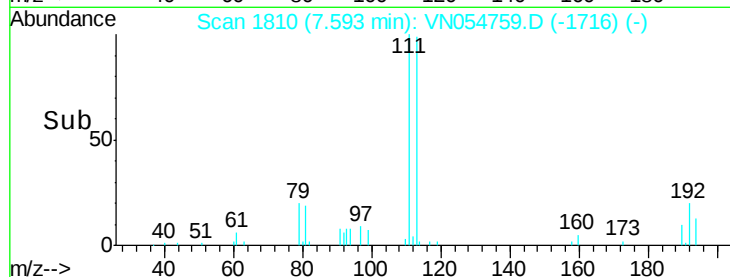
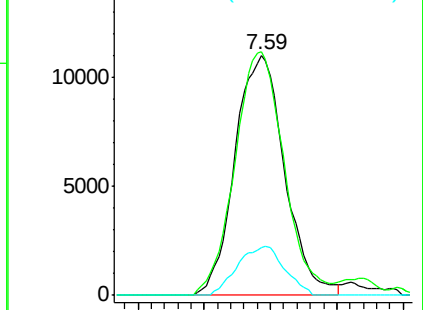
#35
 Dibromofluoromethane
 Concen: 5.55 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 28696
 Ion Ratio Lower Upper
 113 100
 111 100.3 82.2 123.4
 192 19.3 19.2 28.8

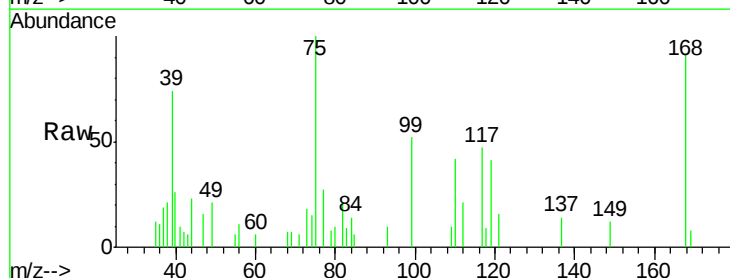


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

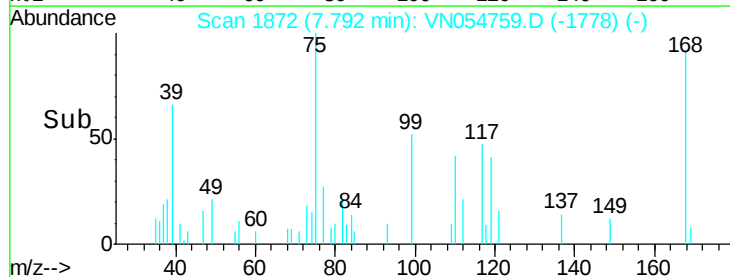
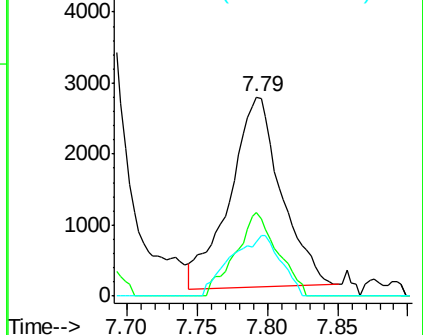


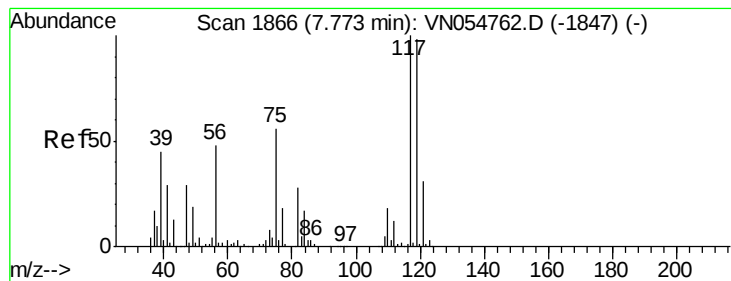
#36
 1,1-Dichloropropene
 Concen: 0.97 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion: 75 Resp: 6884
 Ion Ratio Lower Upper
 75 100
 110 35.4 19.1 57.5
 77 30.8 25.0 37.4



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





#38

Carbon Tetrachloride

Concen: 1.21 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

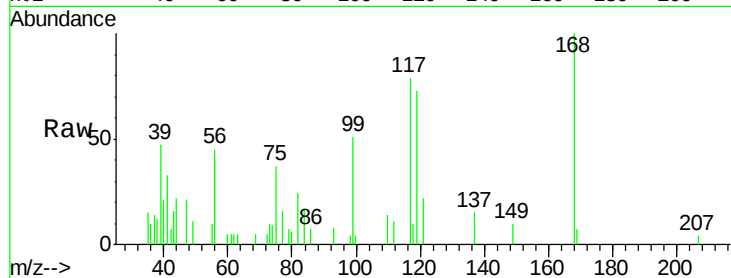
Tot Ion:117 Resp: 8472

Ion Ratio Lower Upper

117 100

119 92.4 76.3 114.5

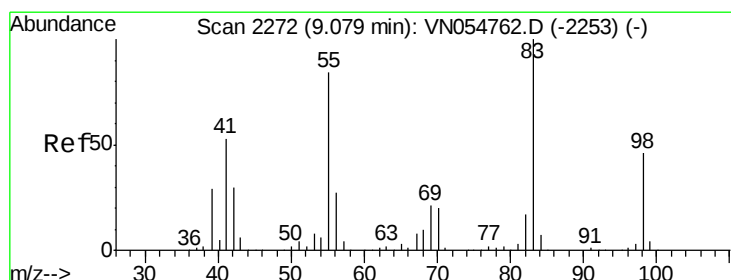
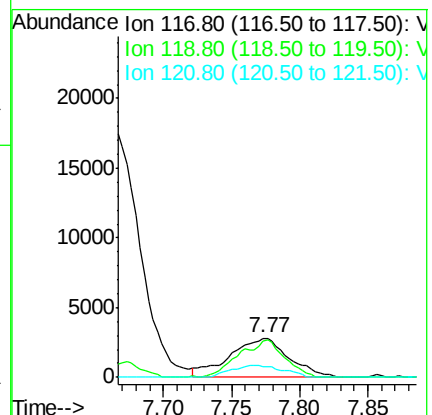
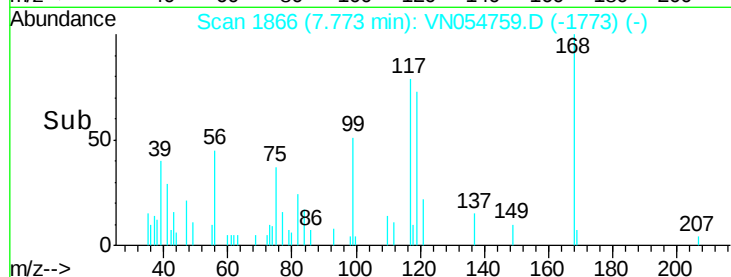
121 28.0 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 0.99 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

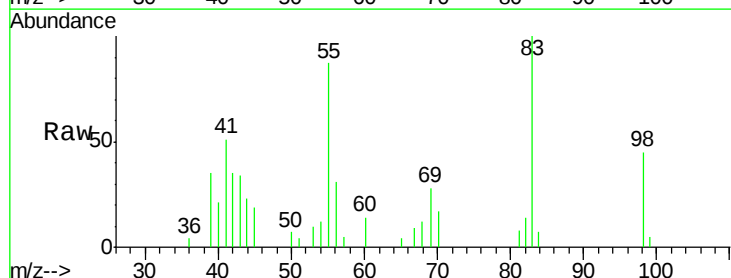
Tgt Ion: 83 Resp: 7835

Ion Ratio Lower Upper

83 100

55 87.0 56.6 84.8#

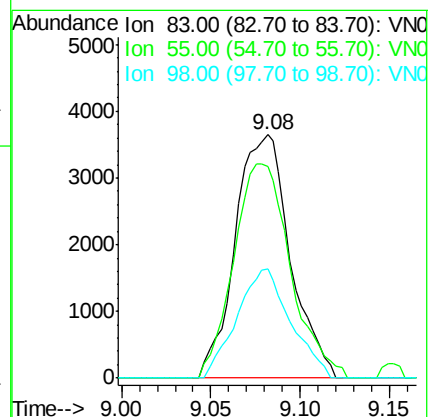
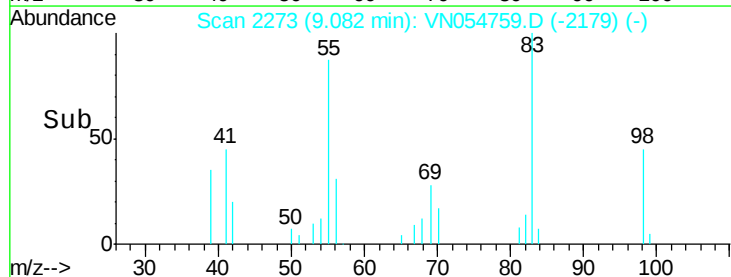
98 45.0 38.4 57.6

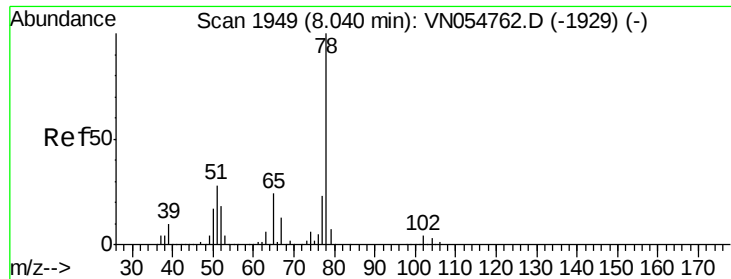


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 1.01 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

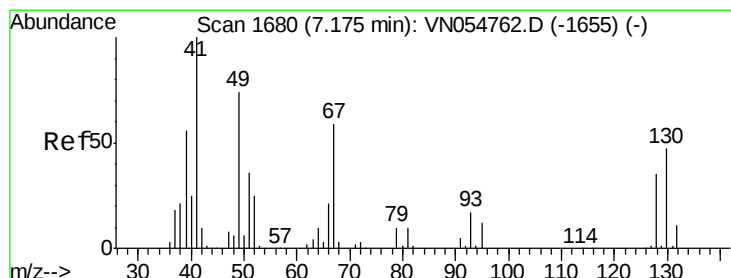
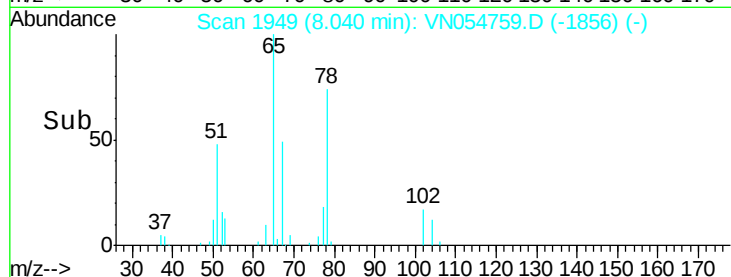
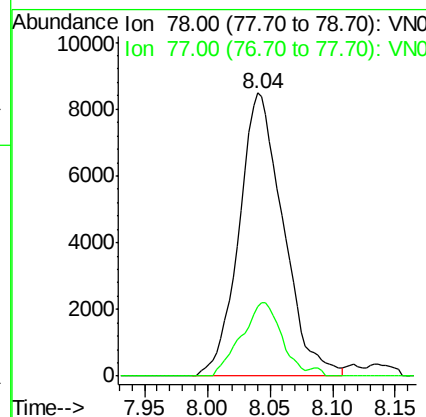
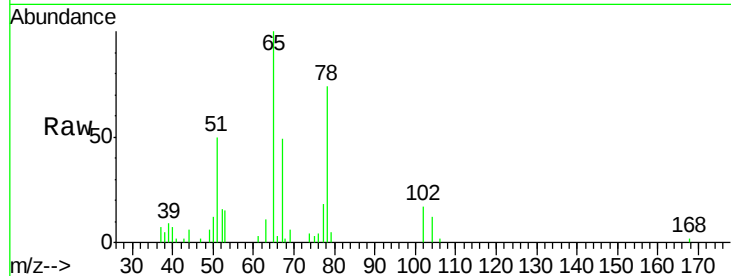
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 20809

Ion Ratio Lower Upper

78 100

77 24.4 19.1 28.7



#41

Methacrylonitrile

Concen: 0.97 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.02 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion: 41 Resp: 2904

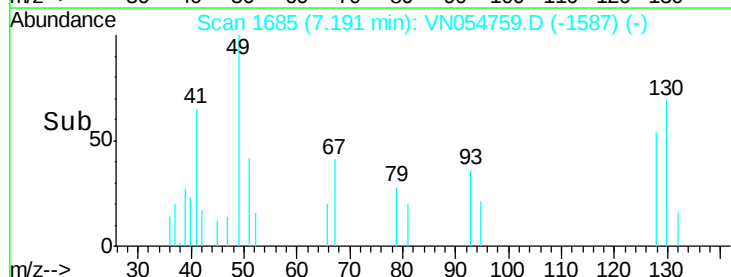
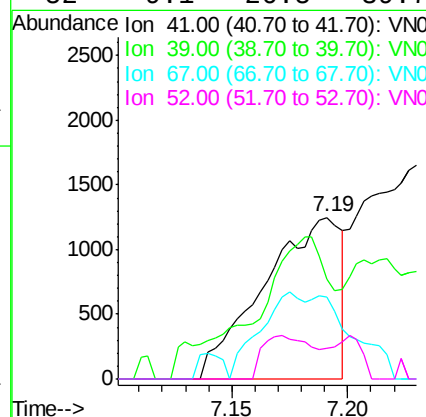
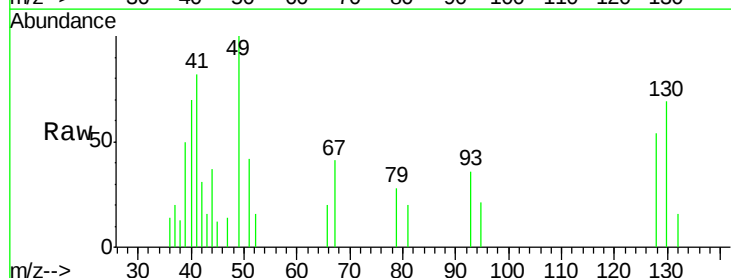
Ion Ratio Lower Upper

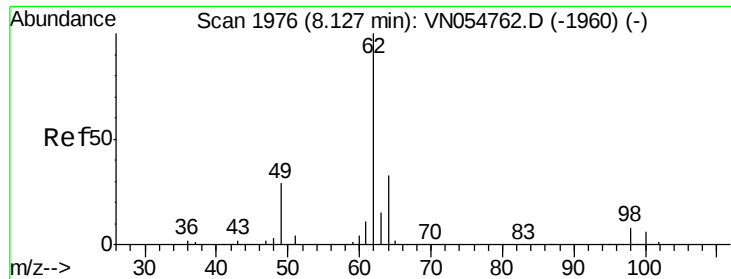
41 100

39 86.6 46.8 70.2#

67 0.0 67.0 100.4#

52 9.1 26.5 39.7#

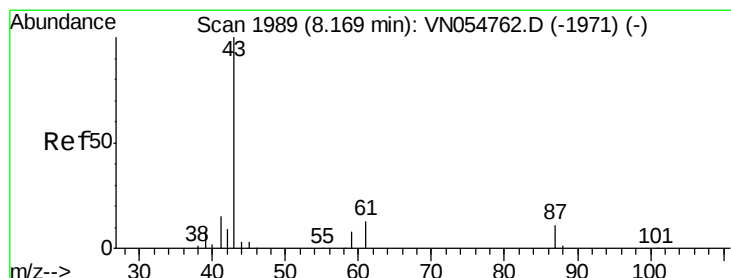
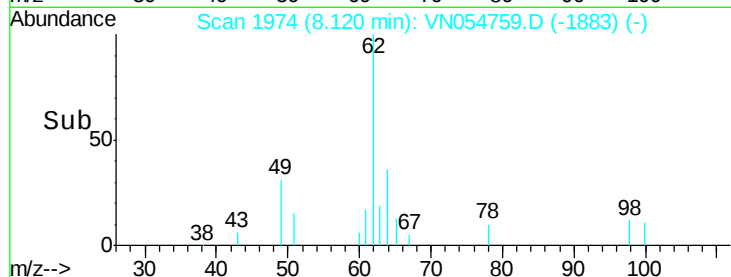
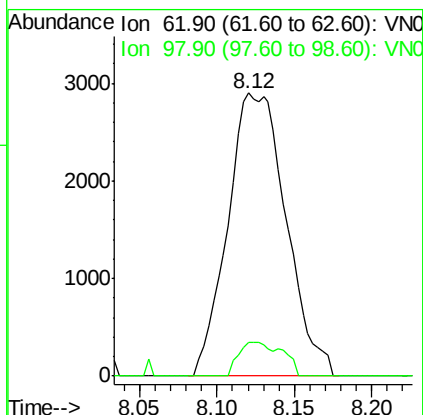
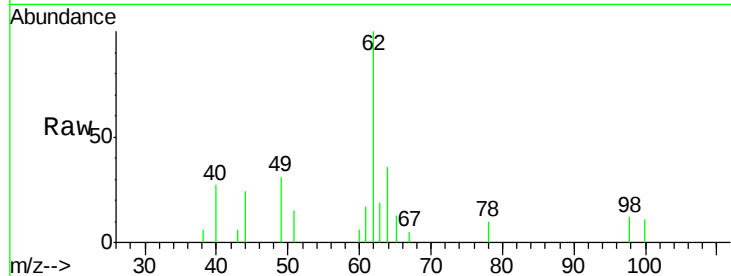




#42
 1,2-Dichloroethane
 Concen: 1.03 ug/l
 RT: 8.12 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

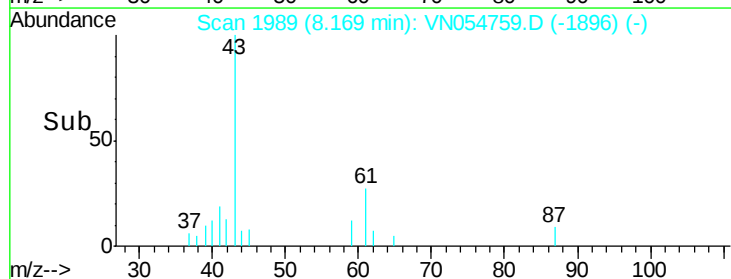
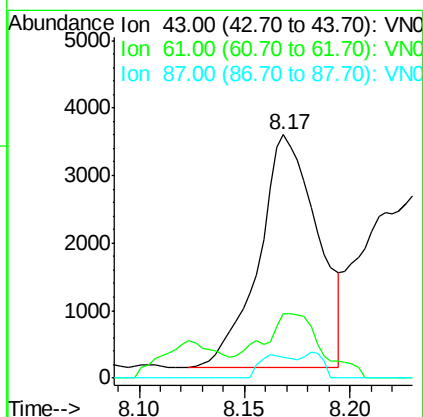
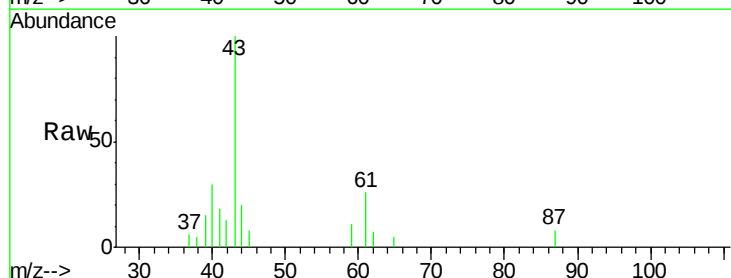
Instrument :
 MSVOA_N
 ClientSampled :

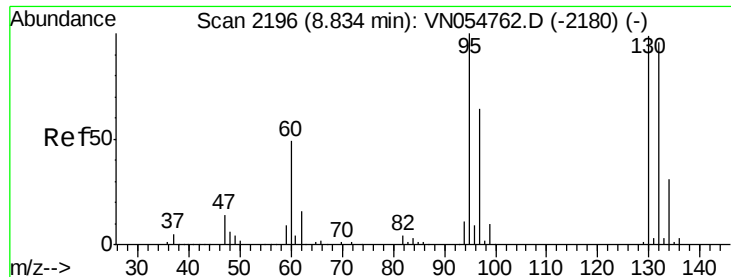
Tot Ion: 62 Resp: 7575
 Ion Ratio Lower Upper
 62 100
 98 9.0 0.0 18.4



#43
 Isopropyl Acetate
 Concen: 0.77 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion: 43 Resp: 6668
 Ion Ratio Lower Upper
 43 100
 61 29.1 15.8 23.8#
 87 5.9 12.0 18.0#





#44

Trichloroethene

Concen: 0.99 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

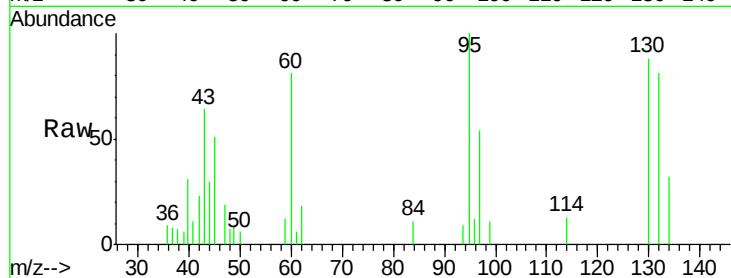
ClientSampled :

Tot Ion:130 Resp: 5294

Ion Ratio Lower Upper

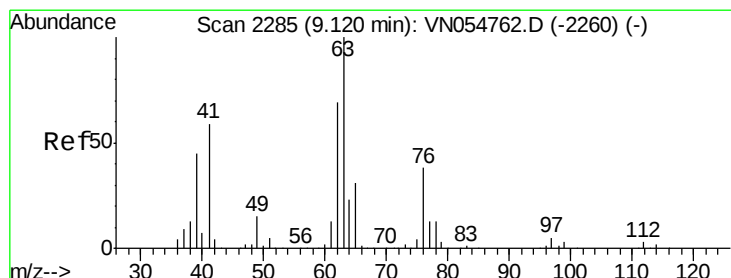
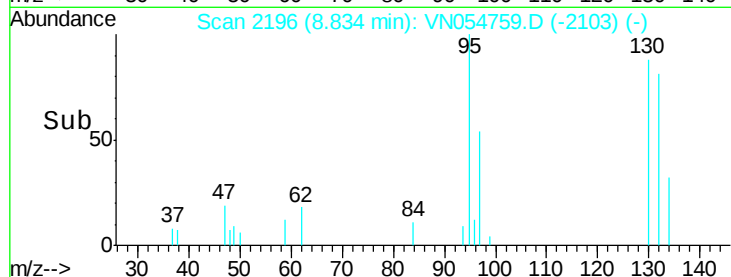
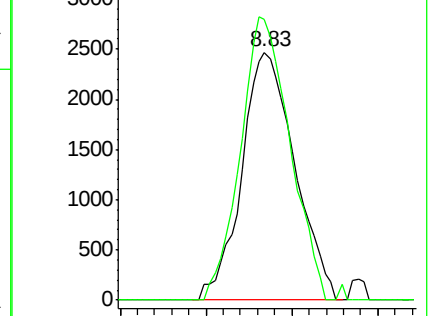
130 100

95 113.5 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 1.03 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054759.D

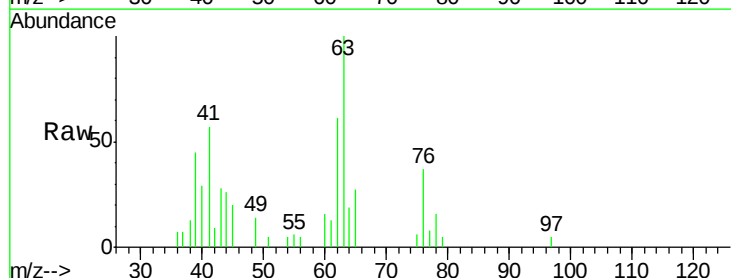
Acq: 29 Mar 2019 10:00

Tgt Ion: 63 Resp: 6056

Ion Ratio Lower Upper

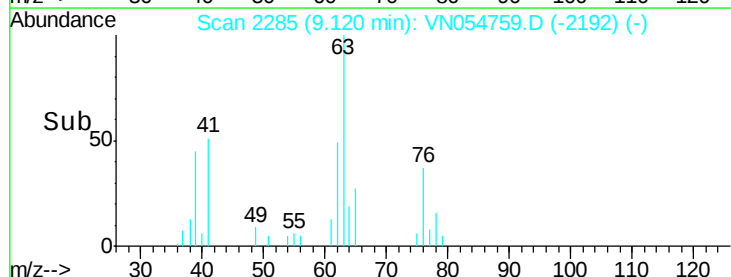
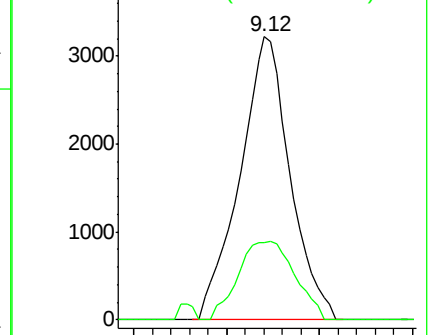
63 100

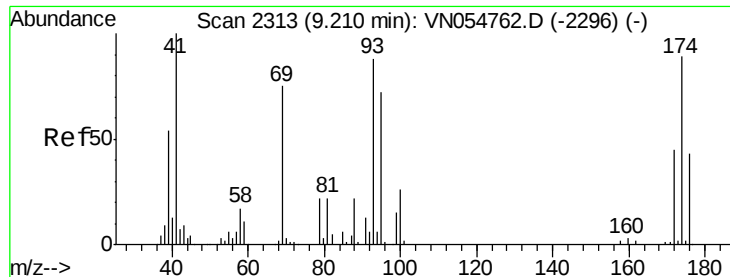
65 27.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





#46

Dibromomethane

Concen: 1.03 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

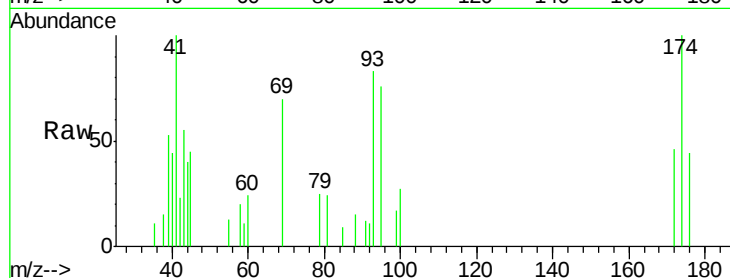
Tot Ion: 93 Resp: 3426

Ion Ratio Lower Upper

93 100

95 78.6 66.7 100.1

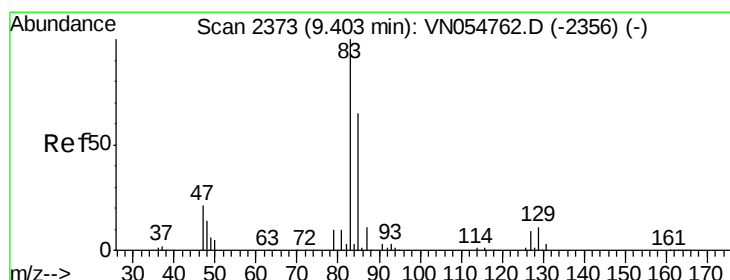
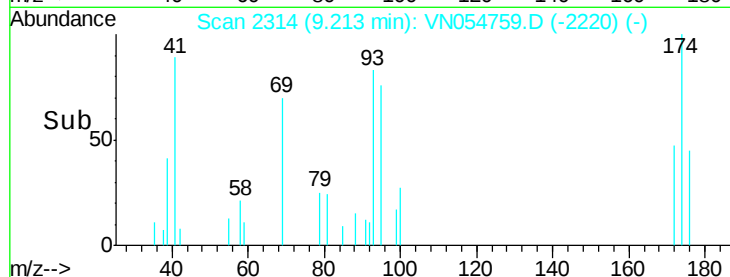
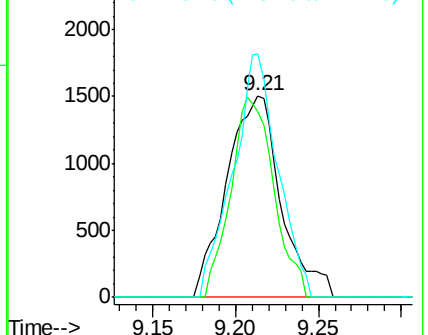
174 99.6 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN054759.D (-2220) (-)

Ion 94.80 (94.50 to 95.50): VN054759.D (-2220) (-)

Ion 173.70 (173.40 to 174.40): VN054759.D (-2220) (-)



#47

Bromodichloromethane

Concen: 0.93 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

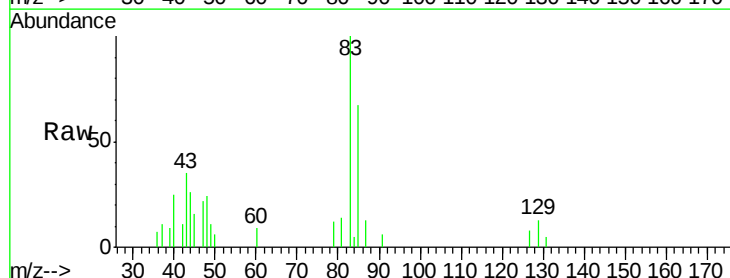
Tgt Ion: 83 Resp: 6412

Ion Ratio Lower Upper

83 100

85 67.3 52.8 79.2

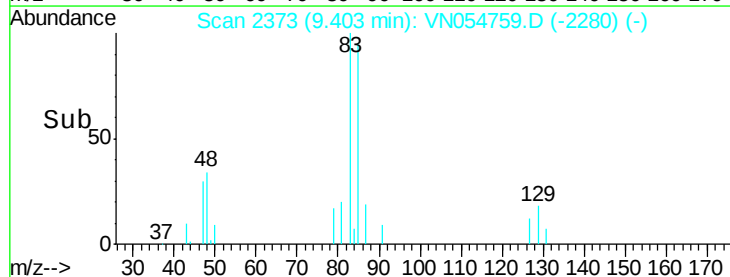
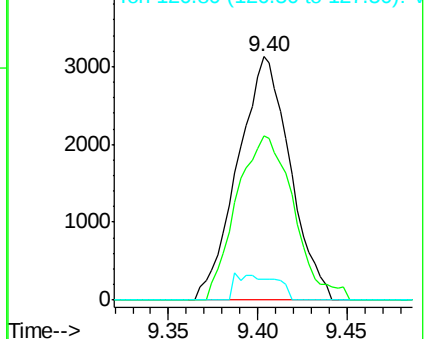
127 8.3 7.4 11.2

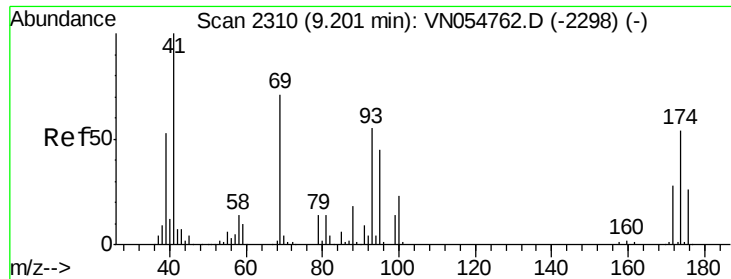


Abundance Ion 82.90 (82.60 to 83.60): VN054759.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054759.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054759.D (-2280) (-)

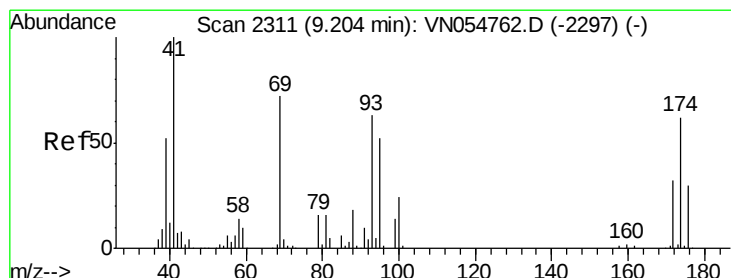
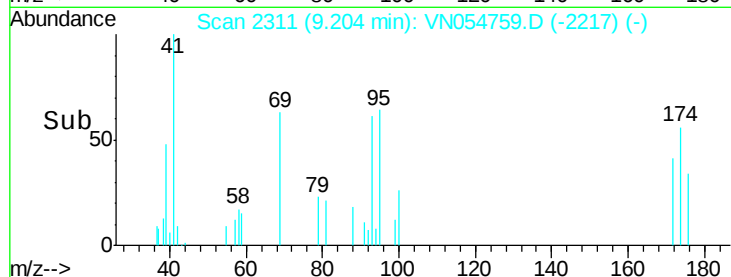
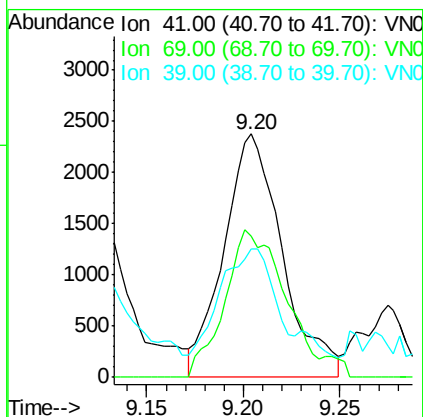
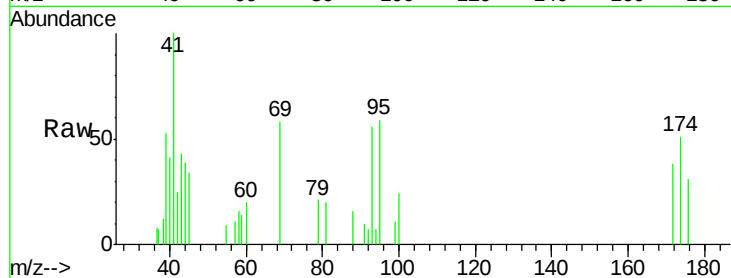




#48
Methyl methacrylate
Concen: 1.07 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

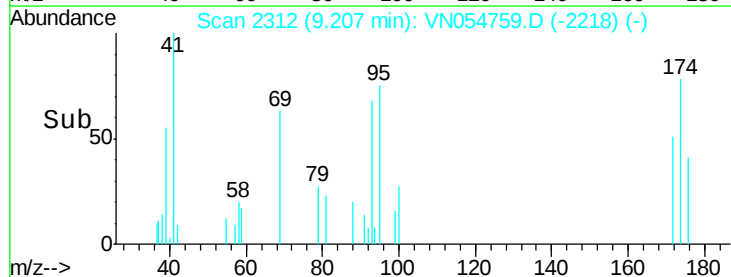
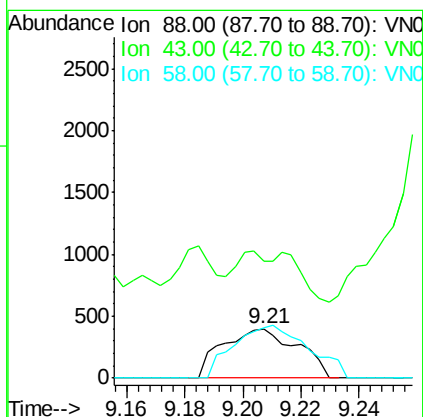
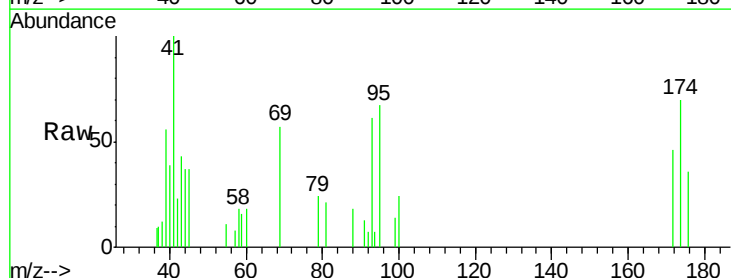
Instrument :
MSVOA_N
ClientSampleId :

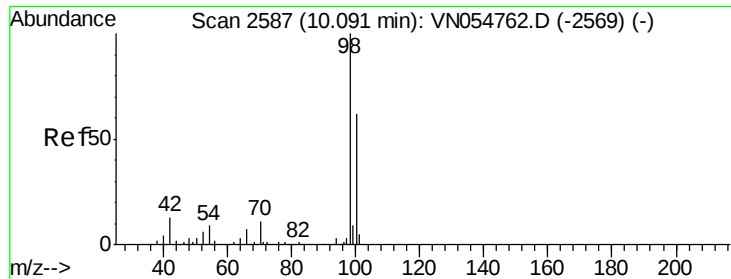
Tot Ion: 41 Resp: 5002
Ion Ratio Lower Upper
41 100
69 64.6 72.6 108.8#
39 39.3 47.5 71.3#



#49
1,4-Dioxane
Concen: 15.43 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 88 Resp: 715
Ion Ratio Lower Upper
88 100
43 0.0 24.1 36.1#
58 106.6 50.8 76.2#





#50

Toluene-d8

Concen: 4.93 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

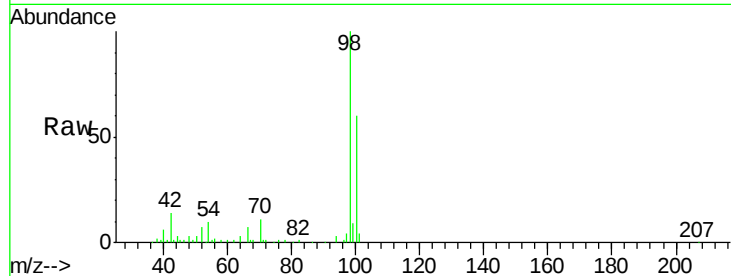
ClientSampled :

Tot Ion: 98 Resp: 94849

Ion Ratio Lower Upper

98 100

100 61.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054762.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054762.D (-2569) (-)

10.09

50000

40000

30000

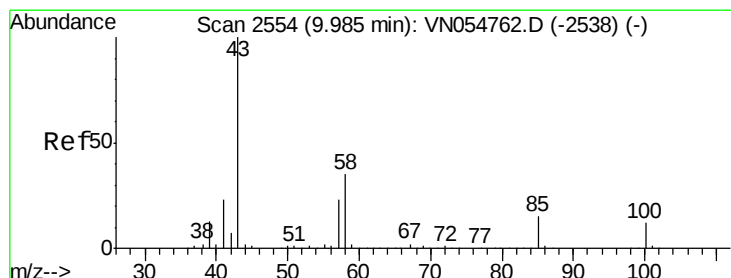
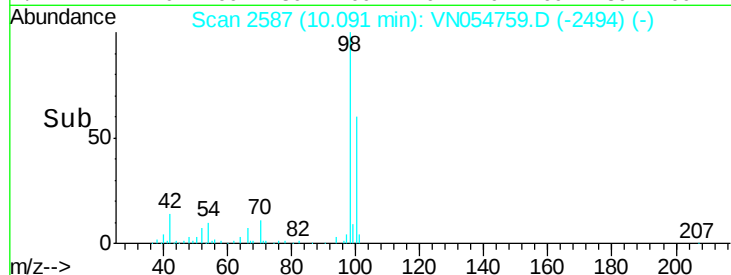
20000

10000

0

Time-->

10.00 10.10 10.20



#51

4-Methyl-2-Pentanone

Concen: 4.35 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054759.D

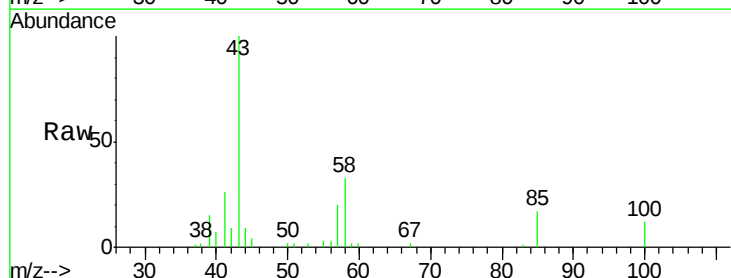
Acq: 29 Mar 2019 10:00

Tgt Ion: 43 Resp: 21048

Ion Ratio Lower Upper

43 100

58 33.6 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054762.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054762.D (-2538) (-)

9.99

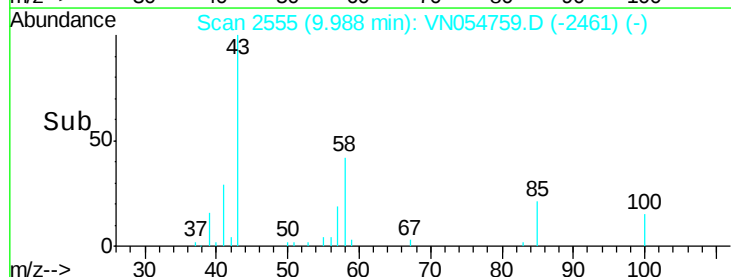
10000

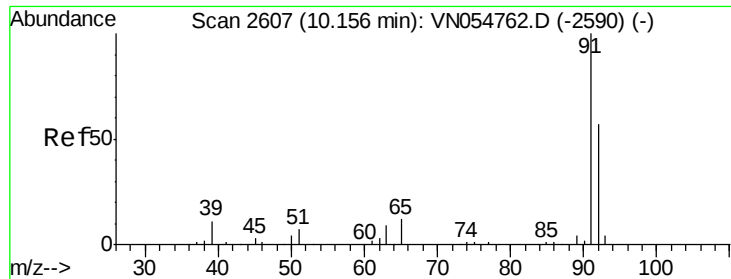
5000

0

Time-->

9.90 9.95 10.00 10.05





#52

Toluene

Concen: 1.00 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

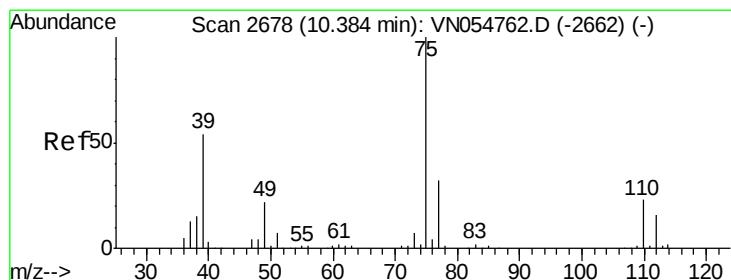
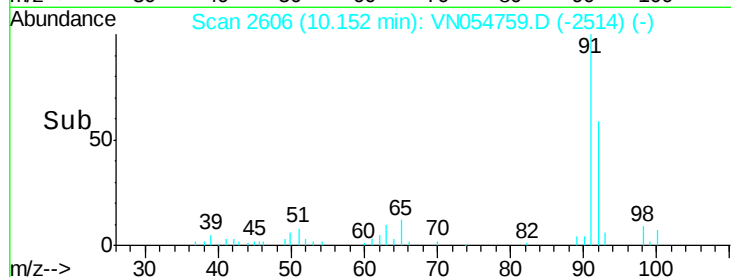
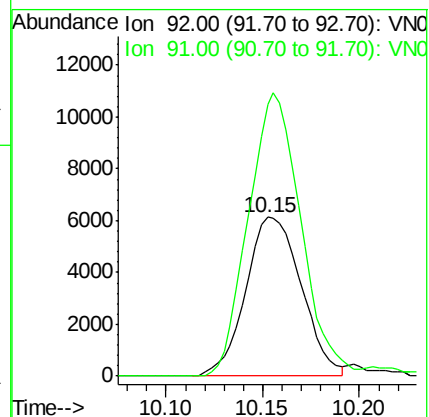
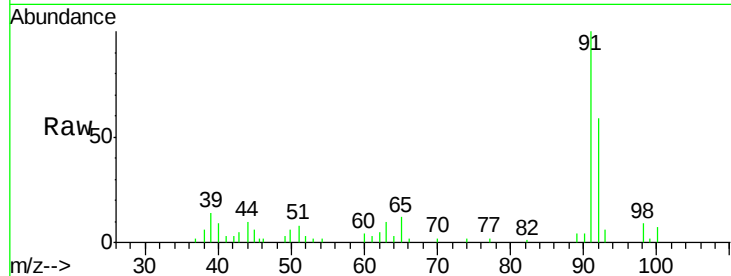
ClientSampled :

Tot Ion: 92 Resp: 12258

Ion Ratio Lower Upper

92 100

91 168.3 140.7 211.1



#53

t-1,3-Dichloropropene

Concen: 0.80 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN054759.D

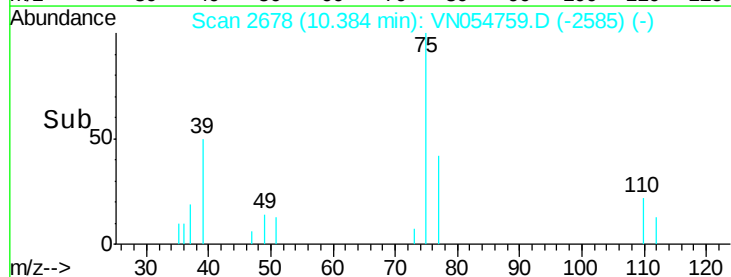
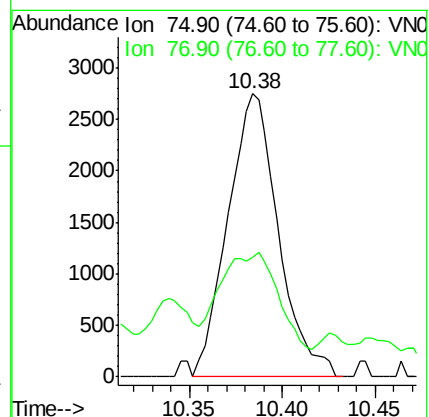
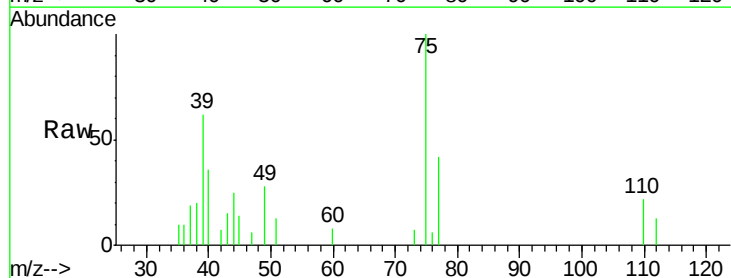
Acq: 29 Mar 2019 10:00

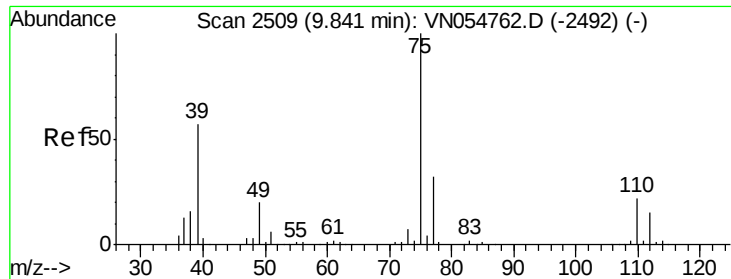
Tgt Ion: 75 Resp: 5193

Ion Ratio Lower Upper

75 100

77 29.7 25.8 38.8





#54

cis-1,3-Dichloropropene

Concen: 0.78 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

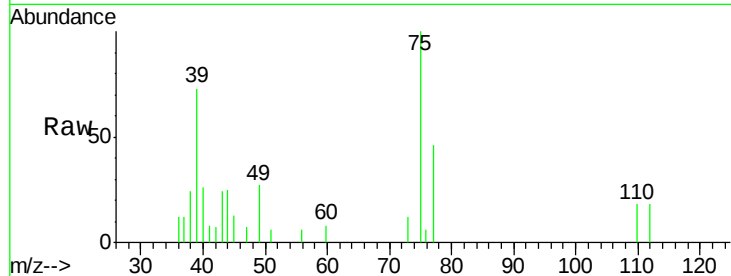
Tot Ion: 75 Resp: 6068

Ion Ratio Lower Upper

75 100

77 46.5 25.4 38.0#

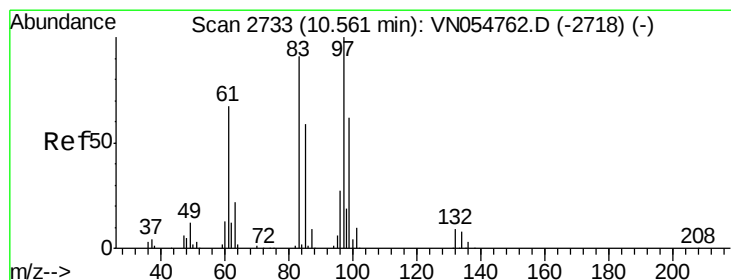
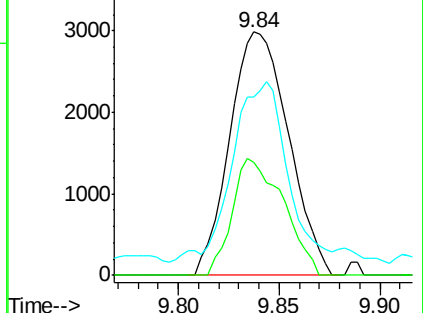
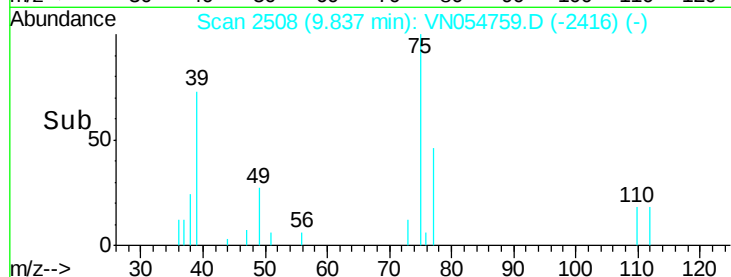
39 63.5 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 76.90 (76.60 to 77.60): VNC

Ion 39.00 (38.70 to 39.70): VNC



#55

1,1,2-Trichloroethane

Concen: 1.04 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Tgt Ion: 97 Resp: 4783

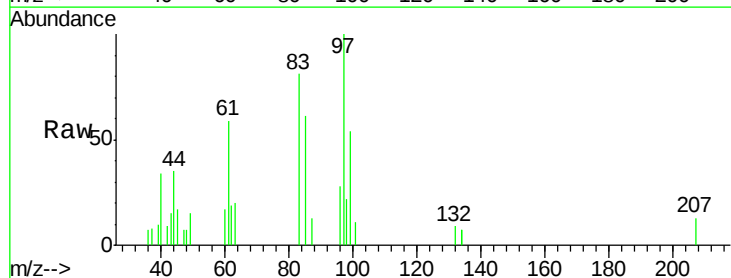
Ion Ratio Lower Upper

97 100

83 80.9 66.6 100.0

85 60.9 44.4 66.6

99 53.9 50.8 76.2

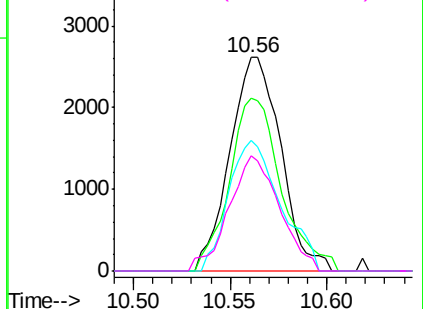
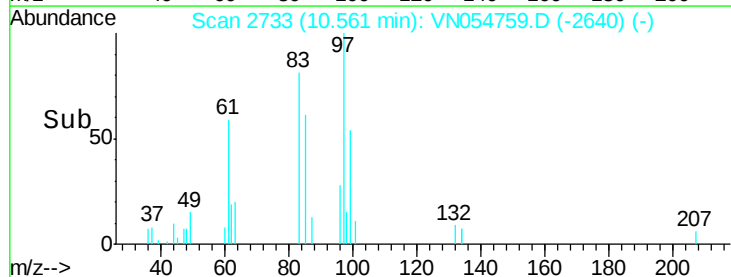


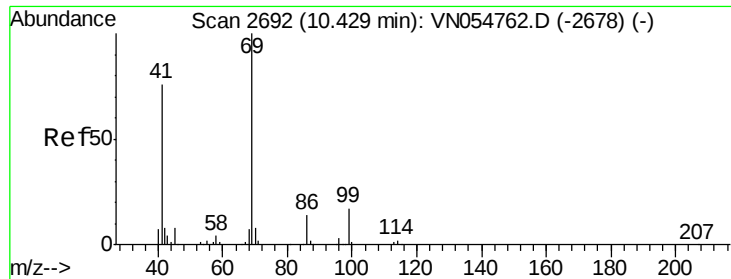
Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 98.90 (98.60 to 99.60): VNC





#56

Ethyl methacrylate

Concen: 0.88 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

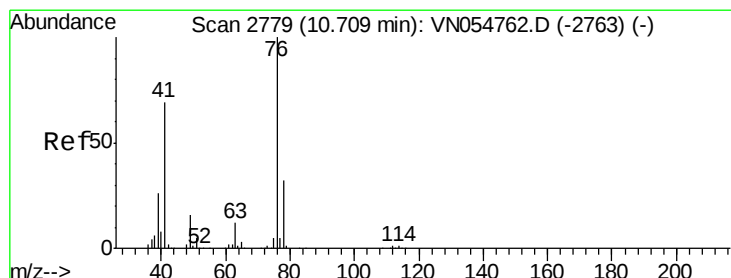
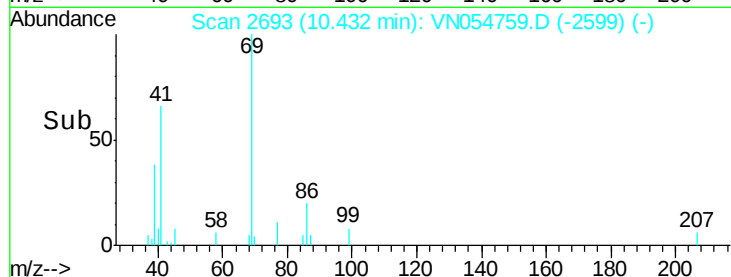
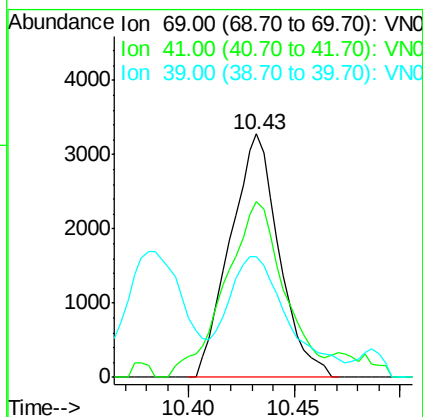
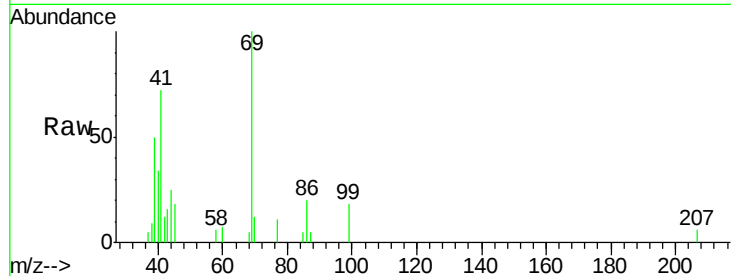
Tot Ion: 69 Resp: 5264

Ion Ratio Lower Upper

69 100

41 87.5 49.4 74.2#

39 53.7 28.3 42.5#



#57

1,3-Dichloropropane

Concen: 0.95 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN054759.D

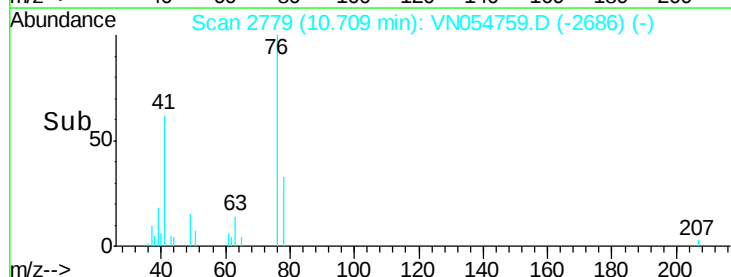
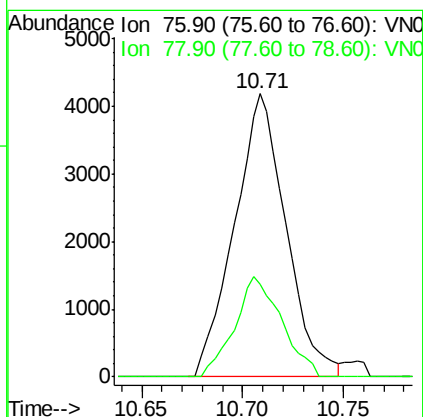
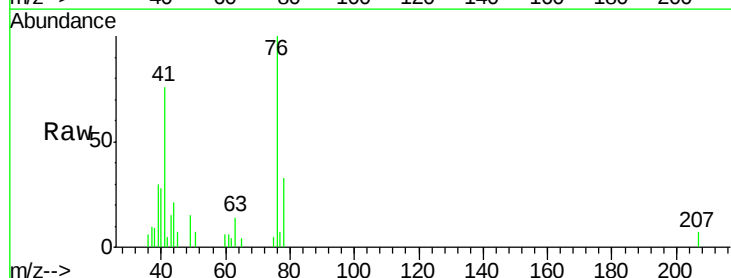
Acq: 29 Mar 2019 10:00

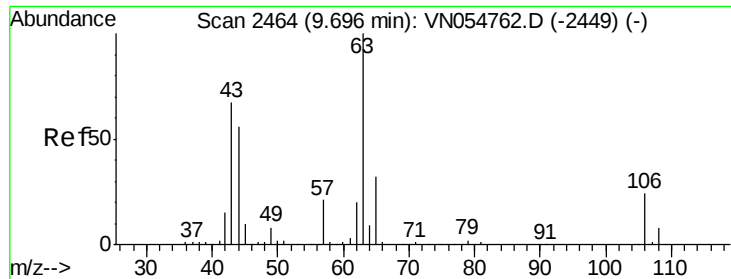
Tgt Ion: 76 Resp: 7475

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5





#58

2-Chloroethyl Vinyl ether

Concen: 13.54 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

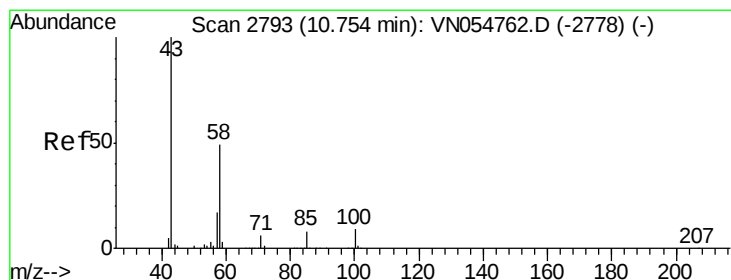
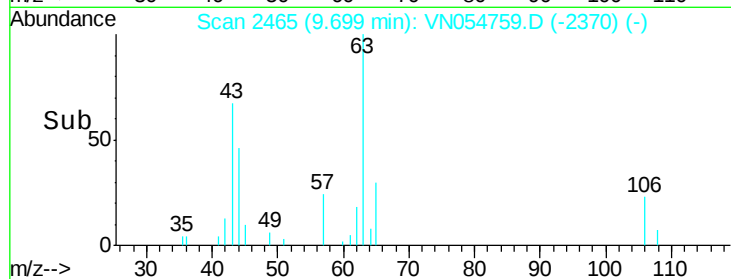
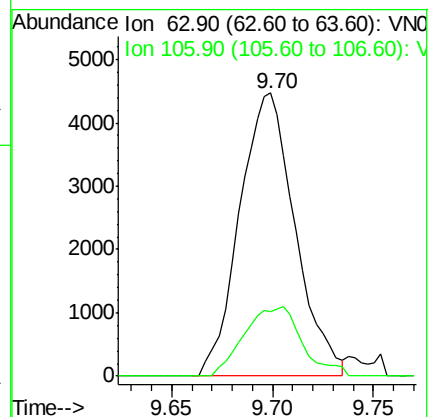
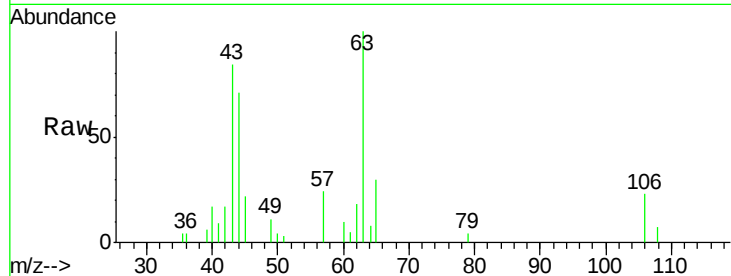
ClientSampleId :

Tot Ion: 63 Resp: 8592

Ion Ratio Lower Upper

63 100

106 25.6 24.4 36.6



#59

2-Hexanone

Concen: 4.36 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN054759.D

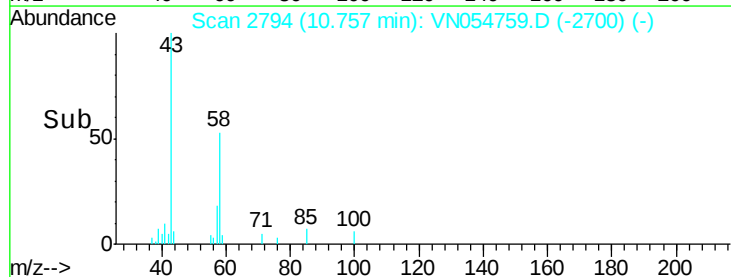
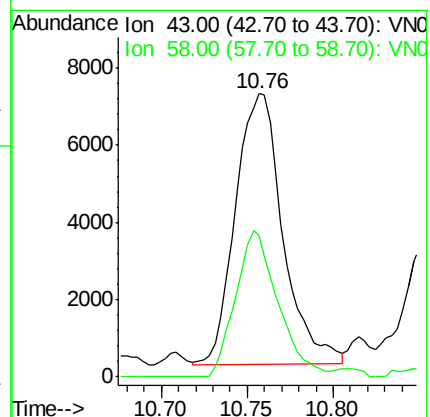
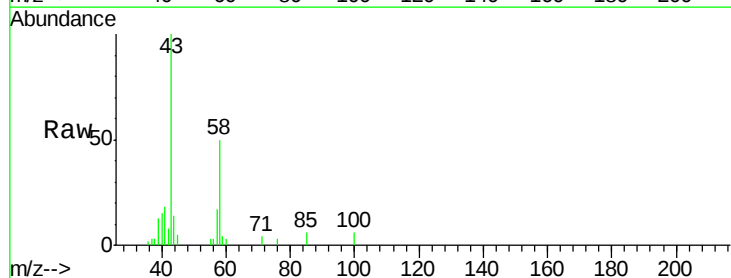
Acq: 29 Mar 2019 10:00

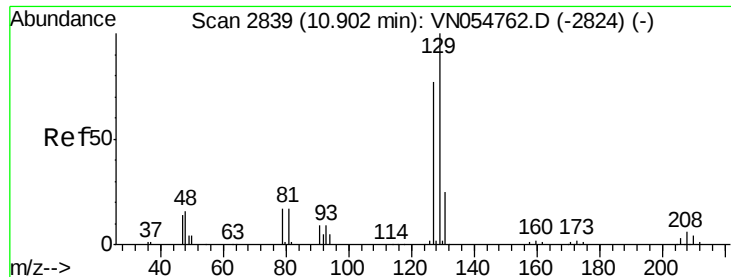
Tgt Ion: 43 Resp: 13508

Ion Ratio Lower Upper

43 100

58 48.3 28.0 83.9





#60

Dibromochloromethane

Concen: 0.83 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

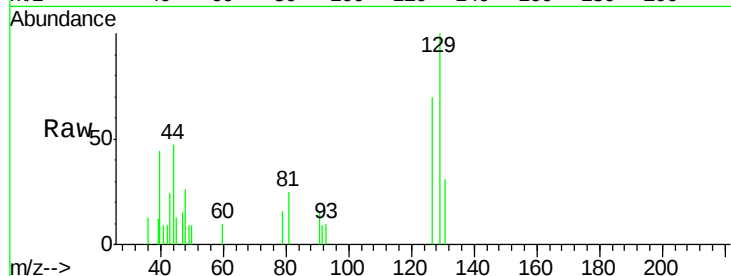
ClientSampled :

Tot Ion:129 Resp: 3869

Ion Ratio Lower Upper

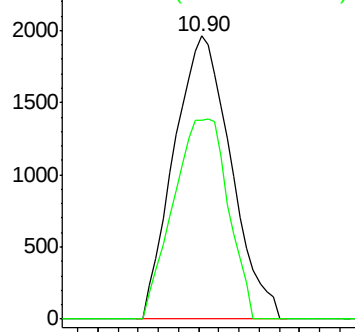
129 100

127 68.2 38.6 115.8

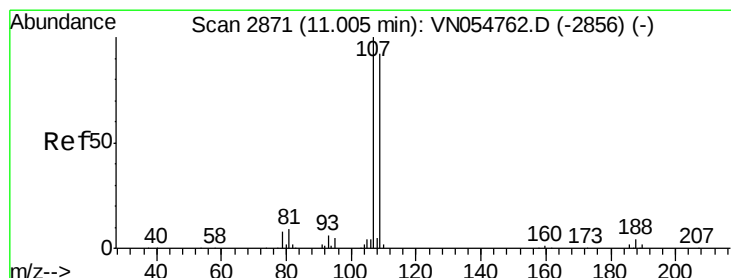
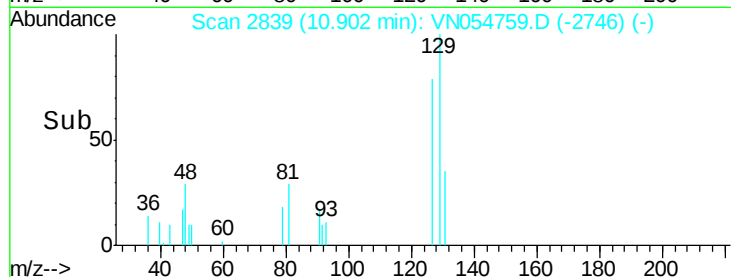


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#61

1,2-Dibromoethane

Concen: 0.94 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054759.D

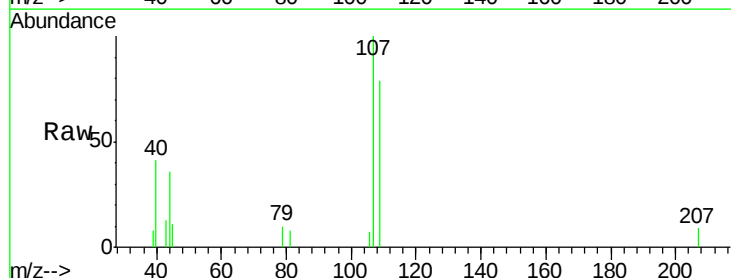
Acq: 29 Mar 2019 10:00

Tgt Ion:107 Resp: 4094

Ion Ratio Lower Upper

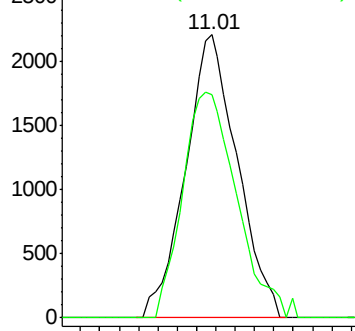
107 100

109 83.8 75.9 113.9

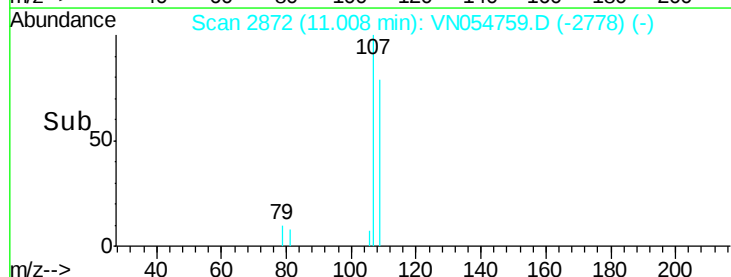


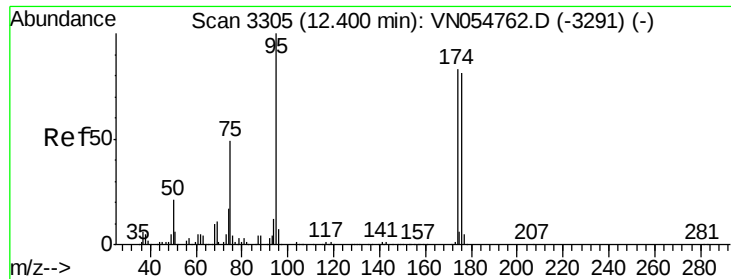
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 2.76 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

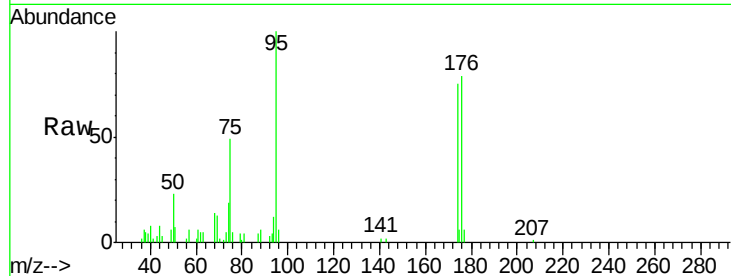
Tot Ion: 95 Resp: 17652

Ion Ratio Lower Upper

95 100

174 84.5 0.0 191.0

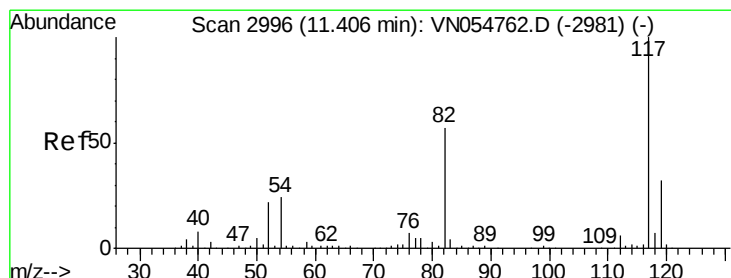
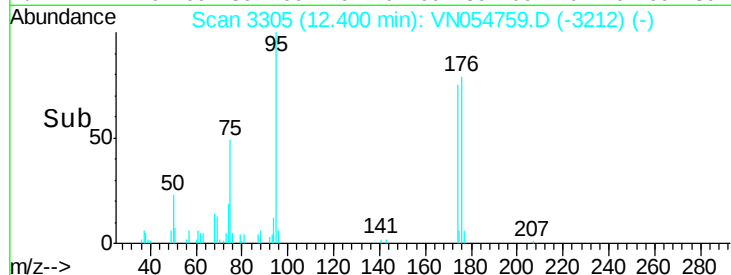
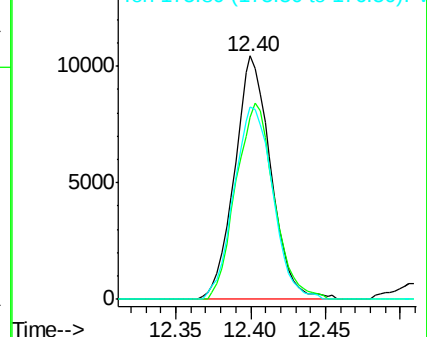
176 84.7 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054762.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054762.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054762.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

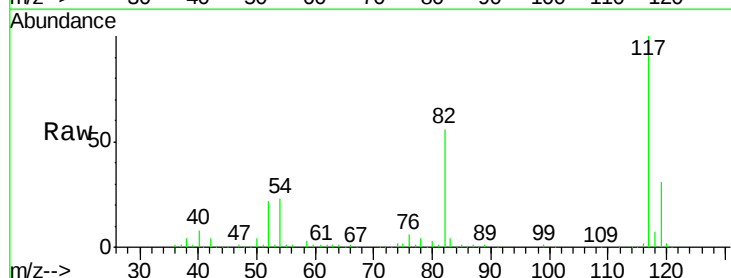
Tgt Ion: 117 Resp: 619166

Ion Ratio Lower Upper

117 100

82 56.3 40.0 60.0

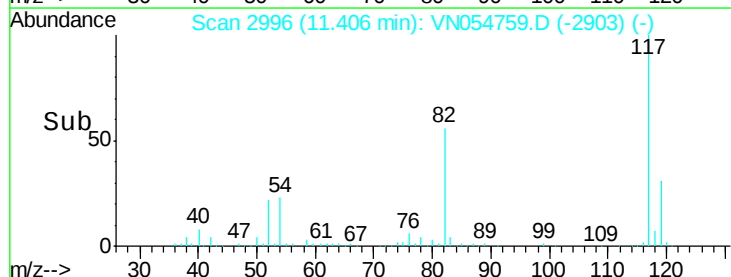
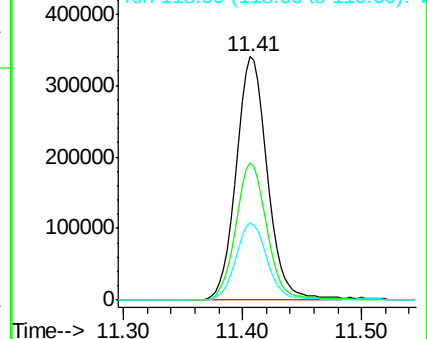
119 31.5 25.8 38.6

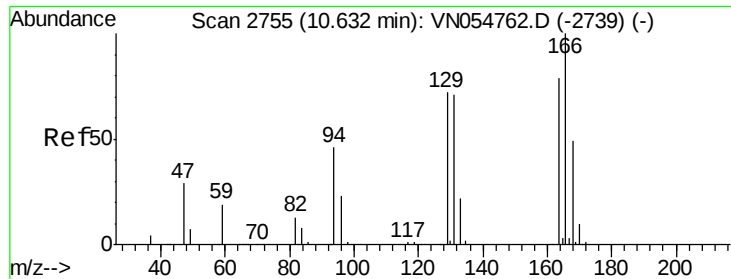


Abundance Ion 116.90 (116.60 to 117.60): VN054762.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054762.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054762.D (-2981) (-)

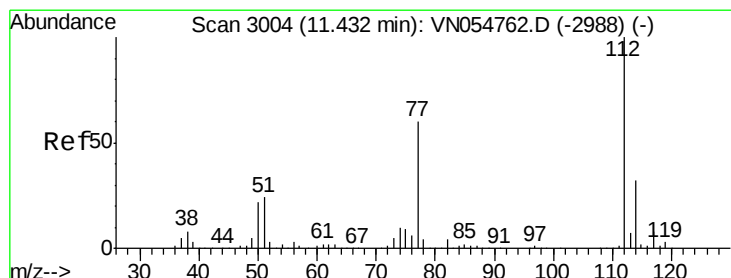
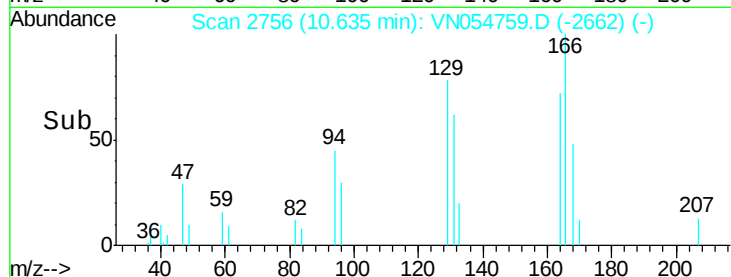
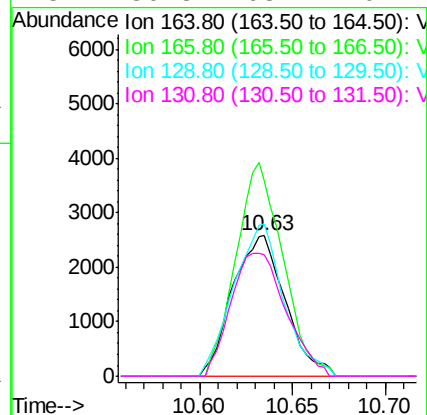
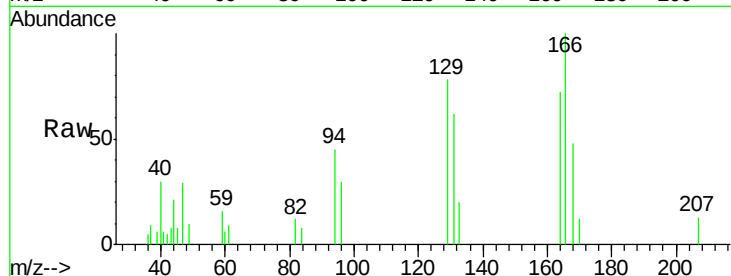




#64
Tetrachloroethene
Concen: 1.07 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

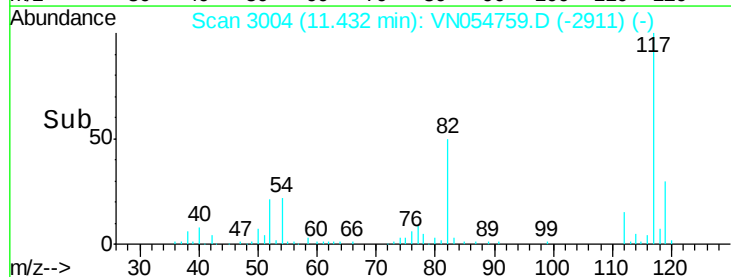
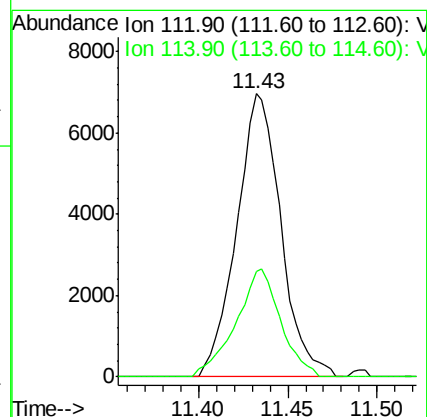
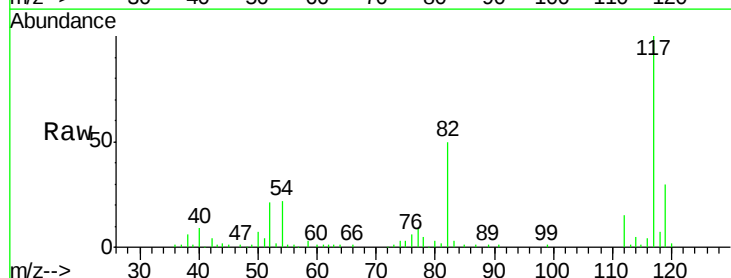
Instrument :
MSVOA_N
ClientSampleId :

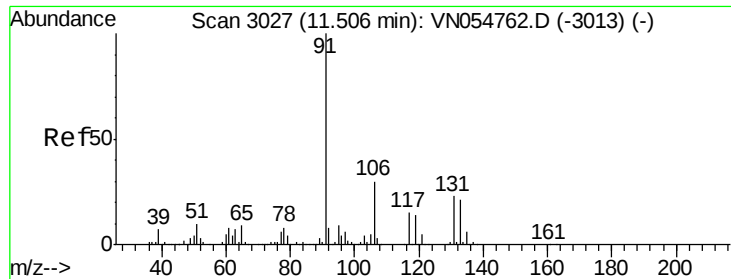
Tot Ion:164 Resp: 5086
Ion Ratio Lower Upper
164 100
166 138.9 103.9 155.9
129 108.2 71.1 106.7#
131 86.3 68.2 102.4



#65
Chlorobenzene
Concen: 0.99 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion:112 Resp: 11999
Ion Ratio Lower Upper
112 100
114 37.4 25.9 38.9

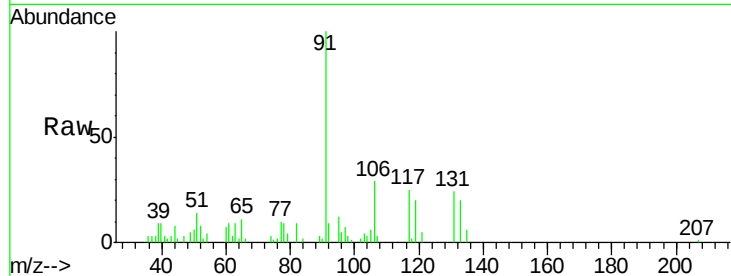




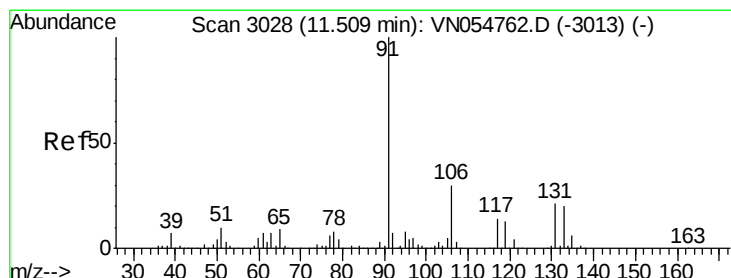
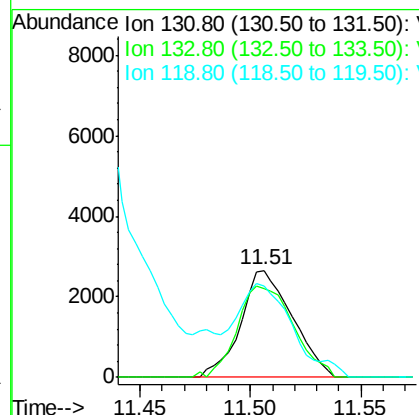
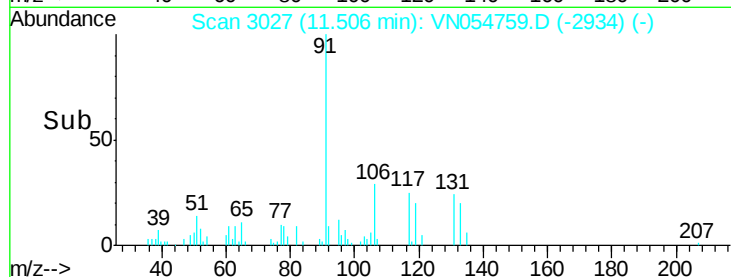
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.95 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:131 Resp: 4318
 Ion Ratio Lower Upper
 131 100
 133 92.9 47.6 142.9
 119 0.0 32.4 97.0#

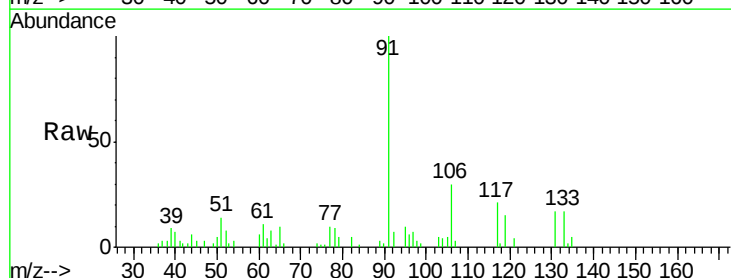


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

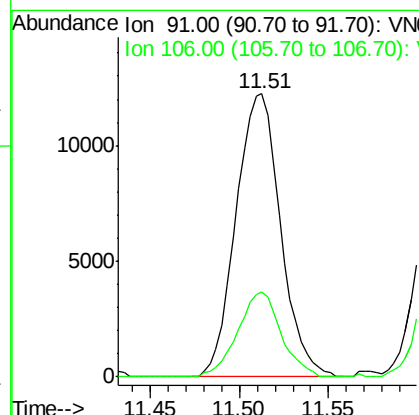
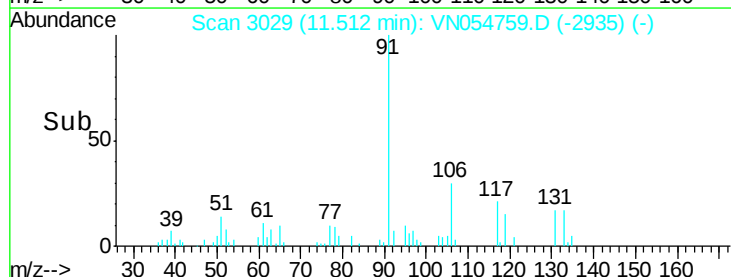


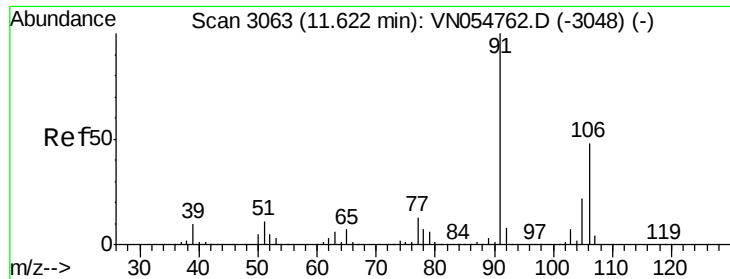
#67
 Ethyl Benzene
 Concen: 0.97 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion: 91 Resp: 21262
 Ion Ratio Lower Upper
 91 100
 106 30.1 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 106.00 (105.70 to 106.70): V

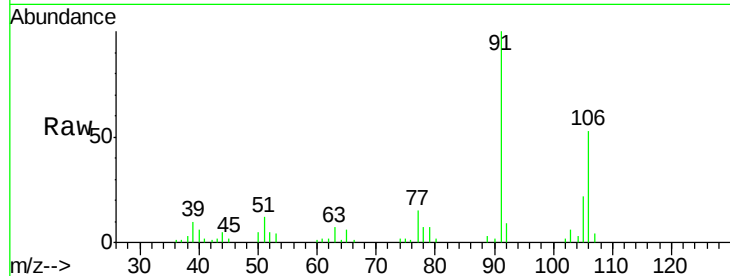




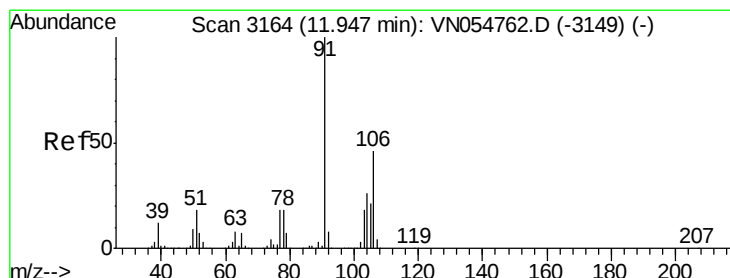
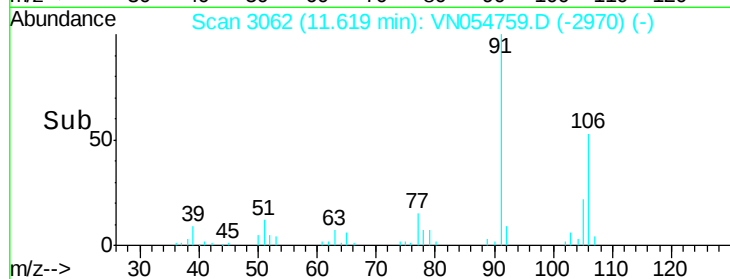
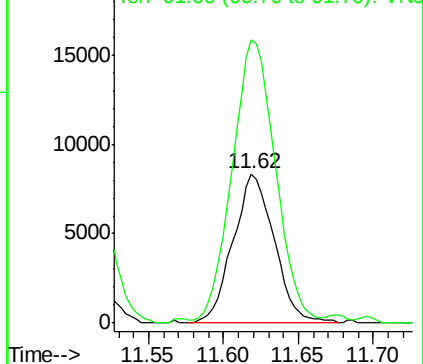
#68
m/p-Xylenes
Concen: 1.99 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 16073
Ion Ratio Lower Upper
106 100
91 193.8 159.4 239.2

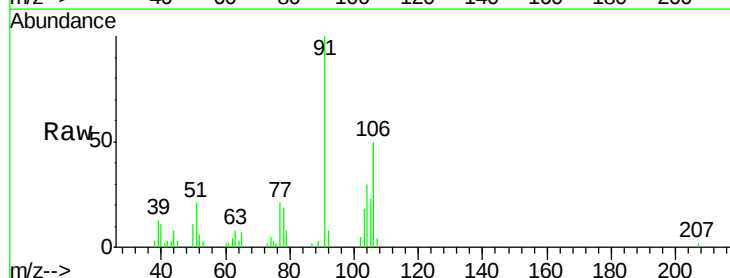


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

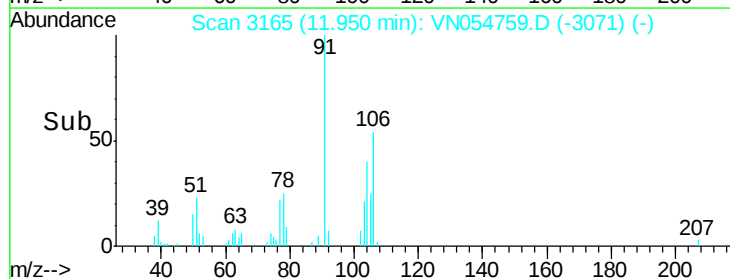
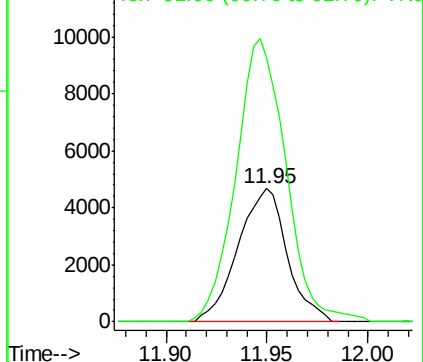


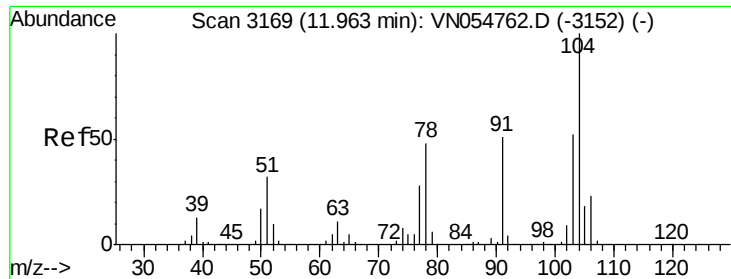
#69
o-Xylene
Concen: 1.00 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion:106 Resp: 7971
Ion Ratio Lower Upper
106 100
91 216.4 105.7 317.1



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#70

Stvrene

Concen: 0.87 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

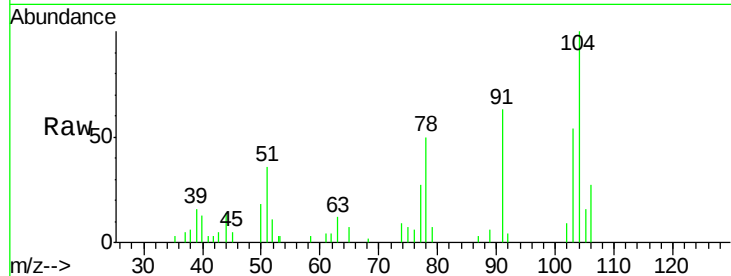
Tot Ion:104 Resp: 10980

Ion Ratio Lower Upper

104 100

78 53.8 38.2 57.2

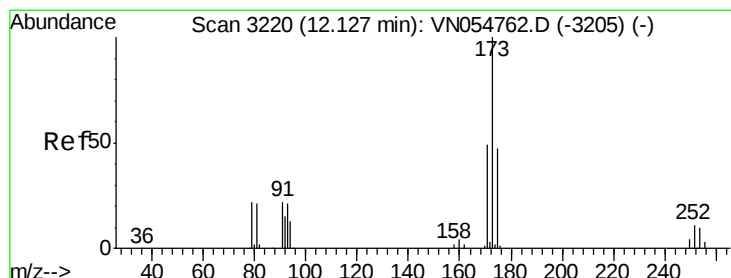
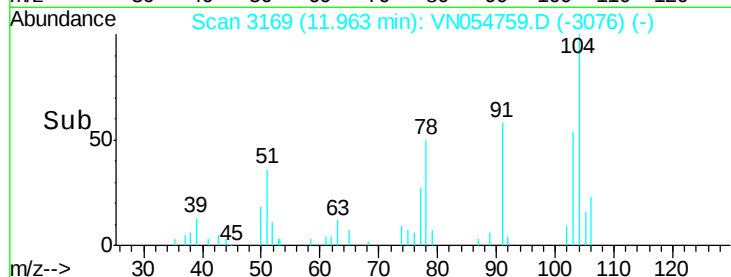
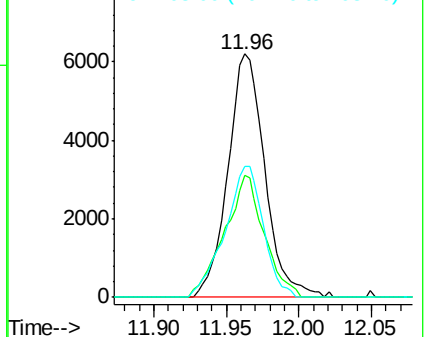
103 55.5 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.79 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

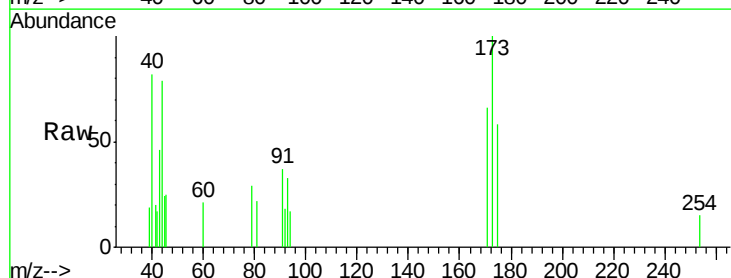
Tgt Ion:173 Resp: 2096

Ion Ratio Lower Upper

173 100

175 50.6 24.4 73.2

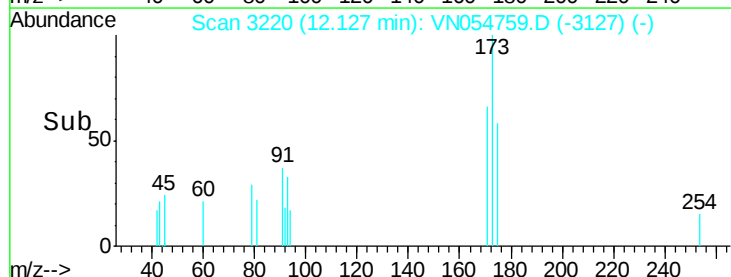
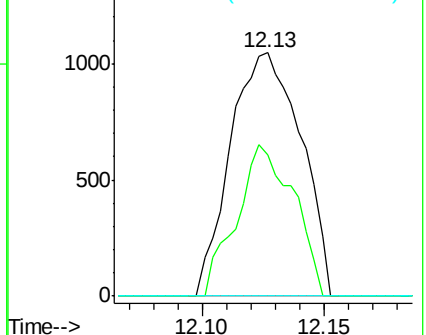
254 0.0 0.1 0.1#

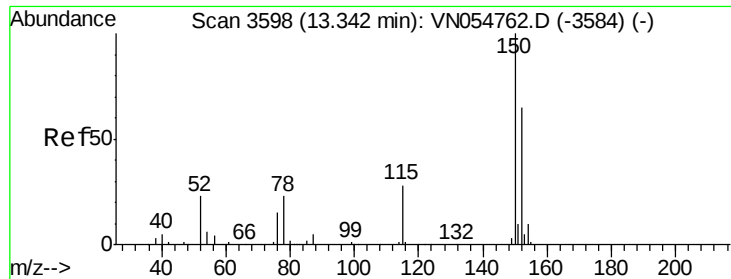


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



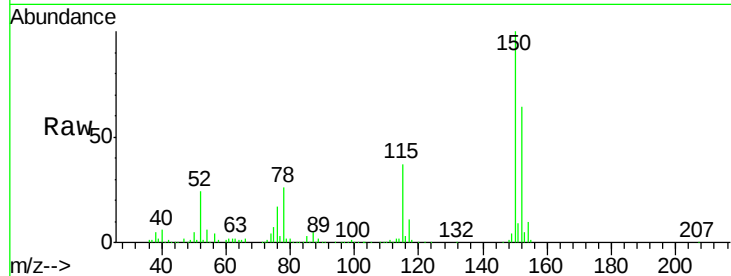


#72

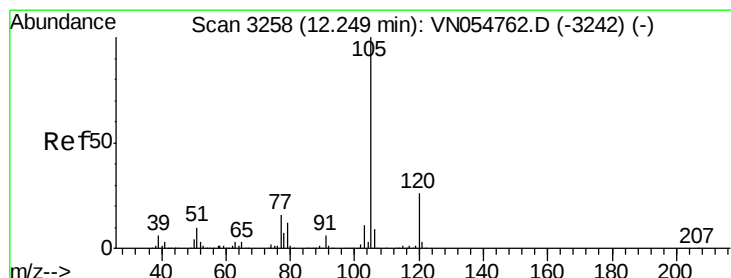
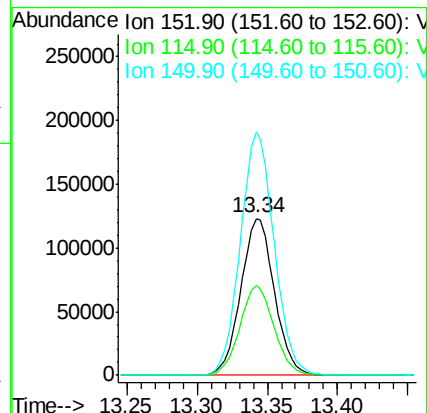
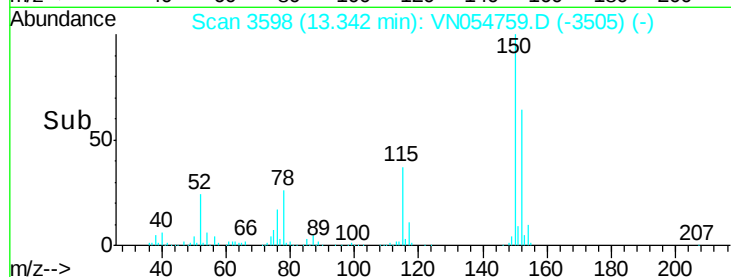
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.0	27.2	81.6
150	156.5	0.0	349.2



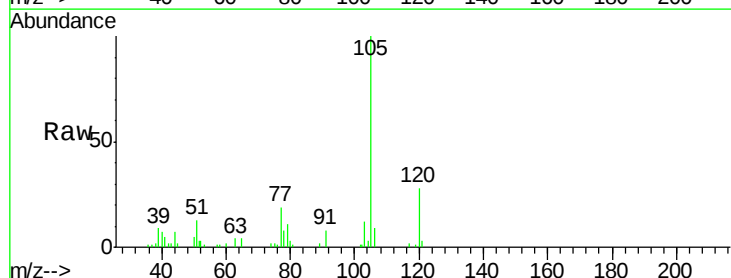
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



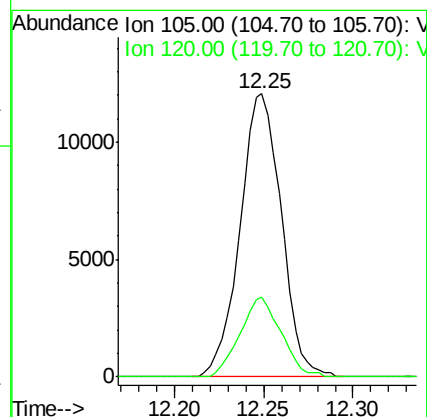
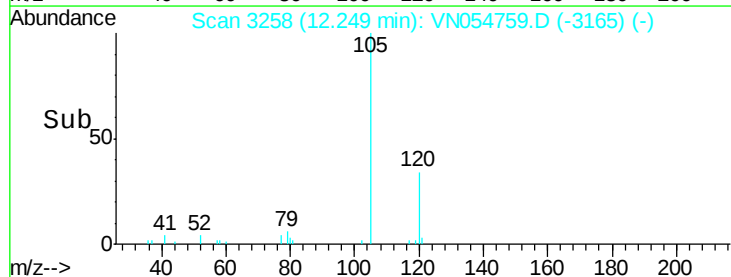
#73

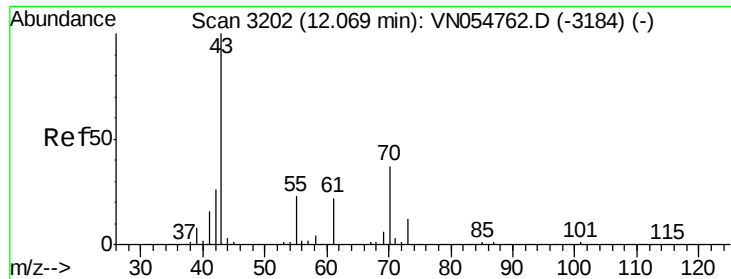
Isopropylbenzene
Concen: 1.16 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	13.8	41.3



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





#74

N-amvl acetate

Concen: 1.06 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 5539

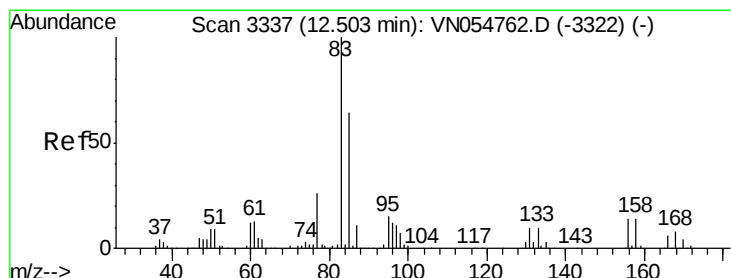
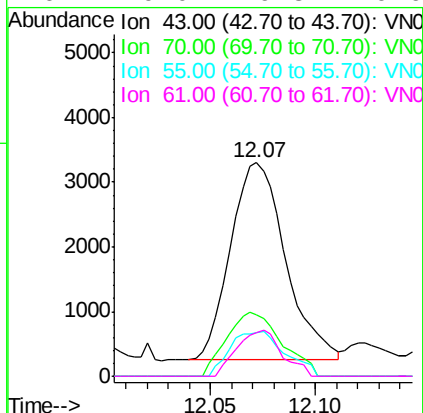
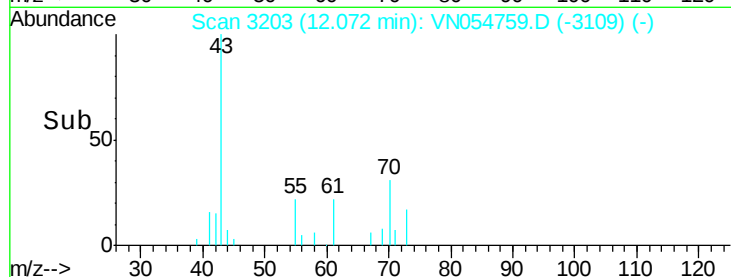
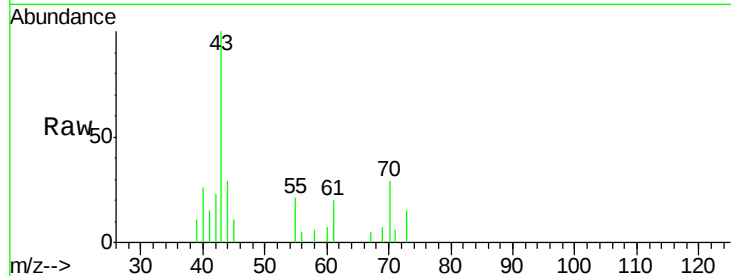
Ion Ratio Lower Upper

43 100

70 32.4 35.4 53.0#

55 22.4 19.8 29.6

61 19.0 19.8 29.6#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

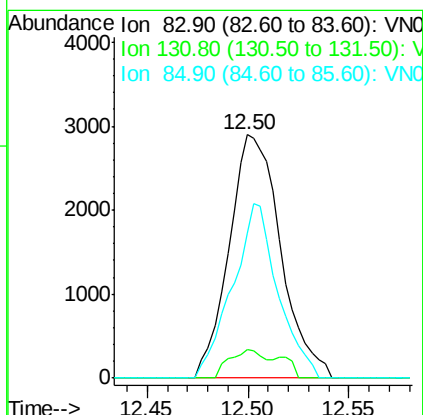
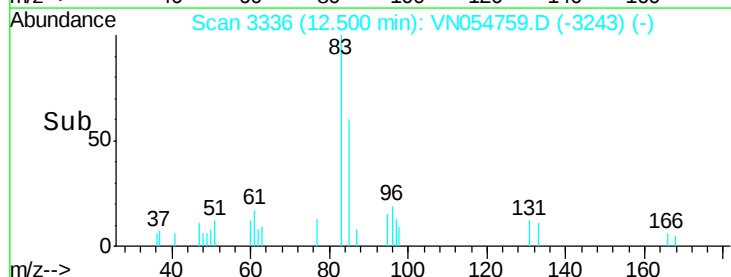
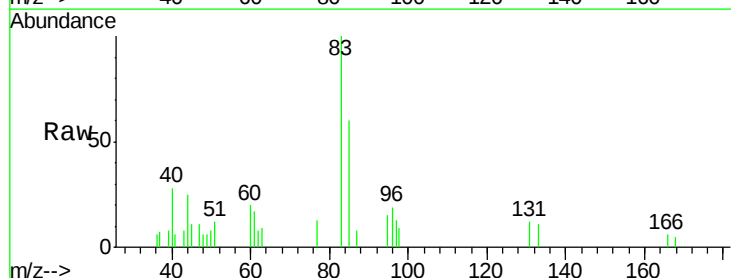
Tgt Ion: 83 Resp: 5180

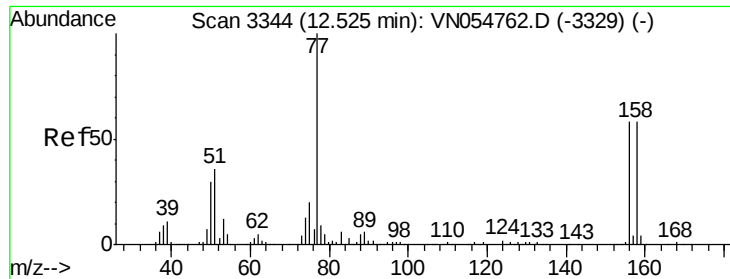
Ion Ratio Lower Upper

83 100

131 7.7 5.8 17.4

85 63.1 32.2 96.6





#77

Bromobenzene

Concen: 1.17 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

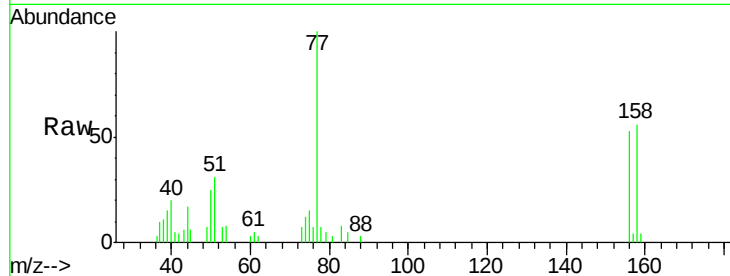
Tot Ion:156 Resp: 4731

Ion Ratio Lower Upper

156 100

77 212.0 81.5 244.4

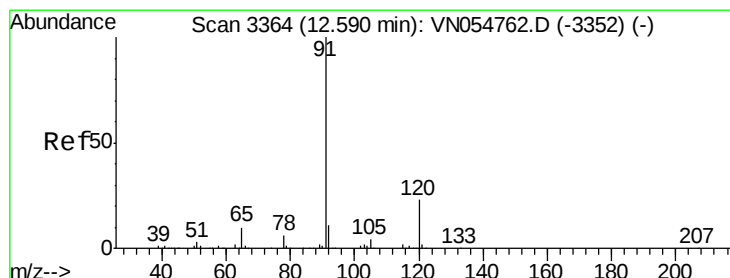
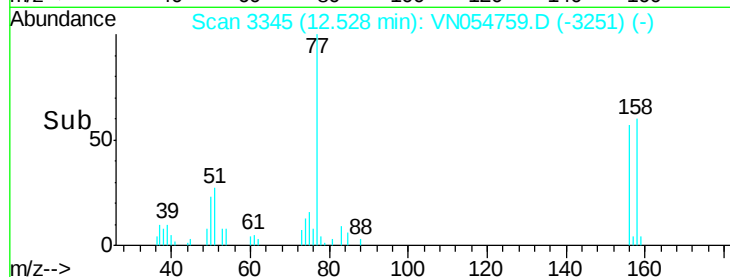
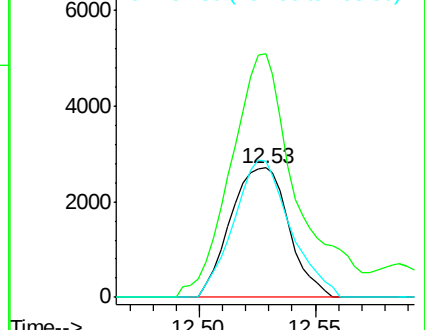
158 102.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.12 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054759.D

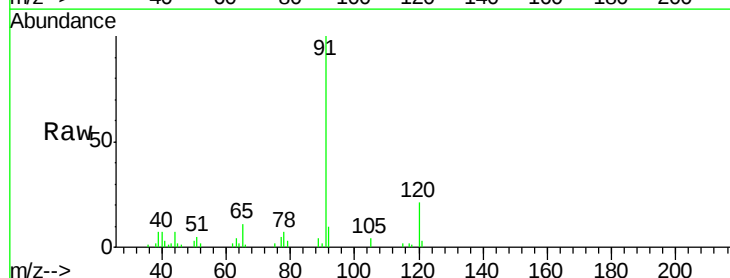
Acq: 29 Mar 2019 10:00

Tgt Ion: 91 Resp: 20694

Ion Ratio Lower Upper

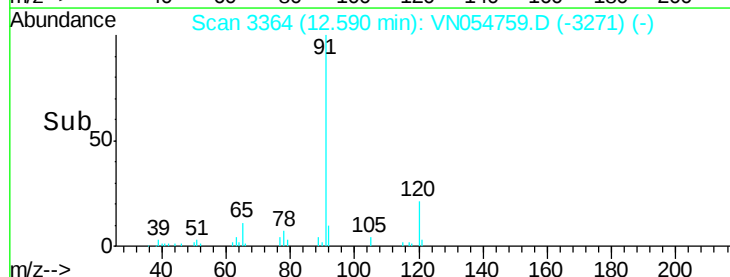
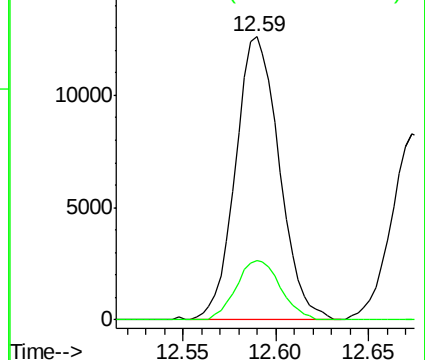
91 100

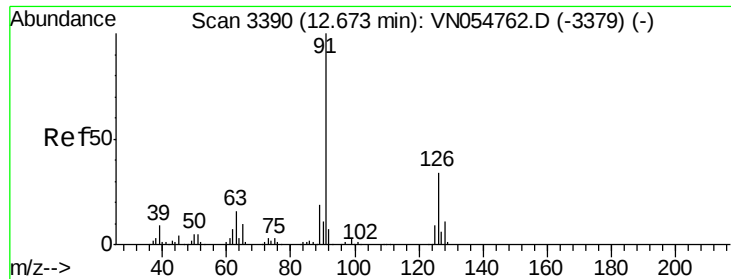
120 21.2 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.20 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

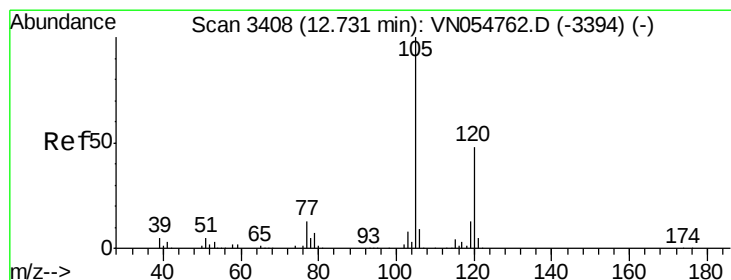
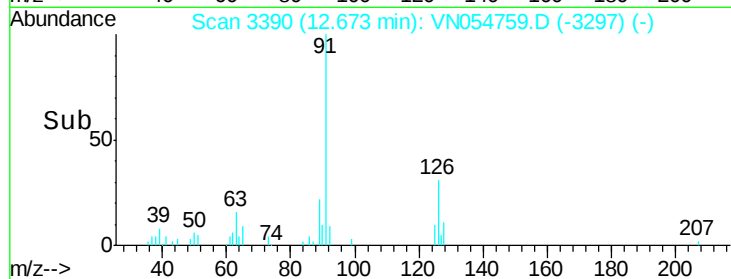
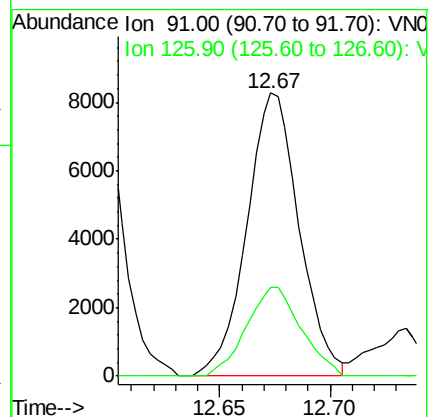
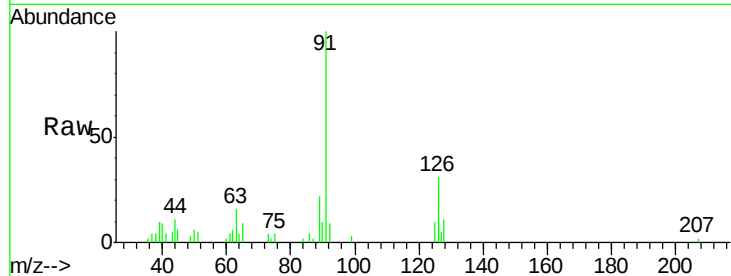
ClientSampled :

Tot Ion: 91 Resp: 13666

Ion Ratio Lower Upper

91 100

126 32.7 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 1.16 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054759.D

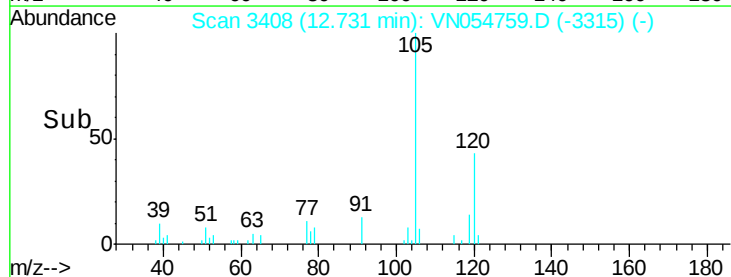
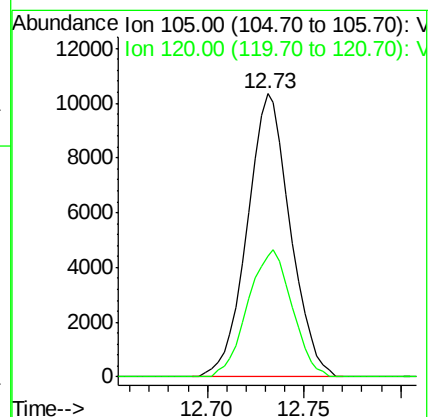
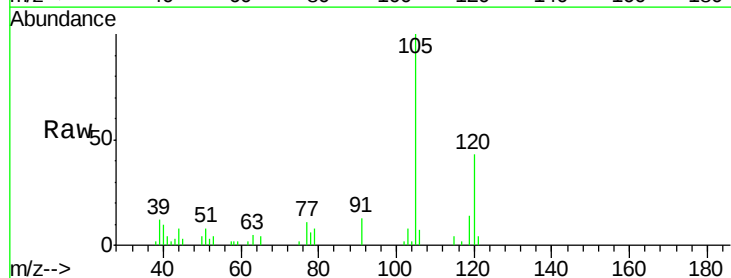
Acq: 29 Mar 2019 10:00

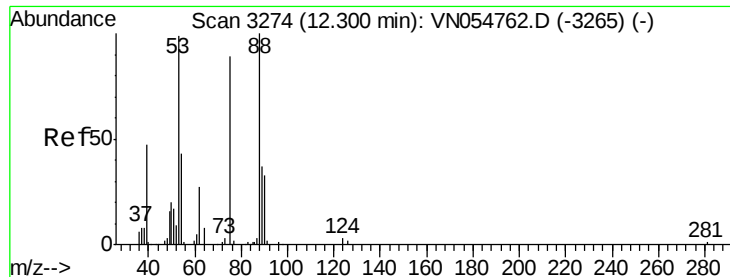
Tgt Ion: 105 Resp: 15993

Ion Ratio Lower Upper

105 100

120 45.9 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 0.99 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

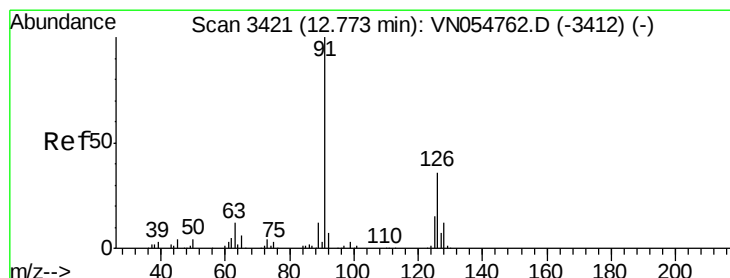
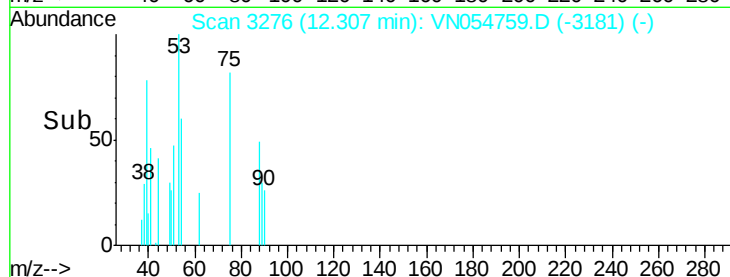
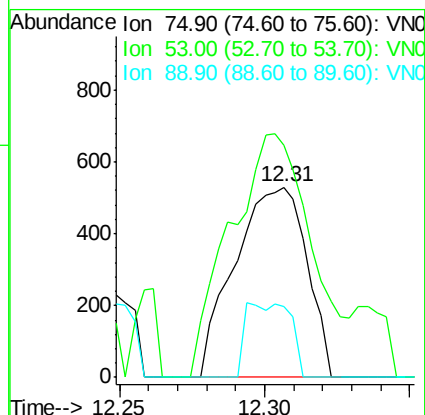
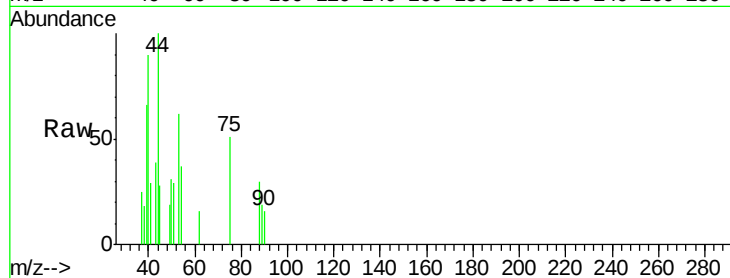
Tot Ion: 75 Resp: 911

Ion Ratio Lower Upper

75 100

53 146.1 76.2 114.2#

89 12.6 39.2 58.8#



#82

4-Chlorotoluene

Concen: 1.08 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN054759.D

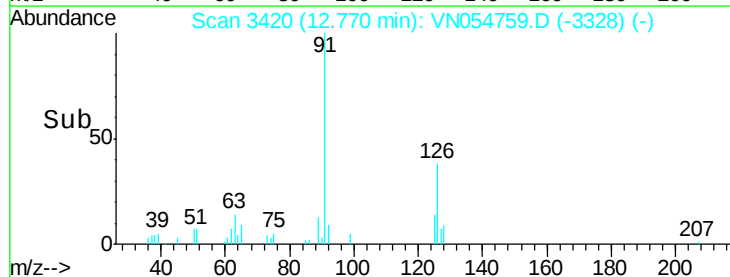
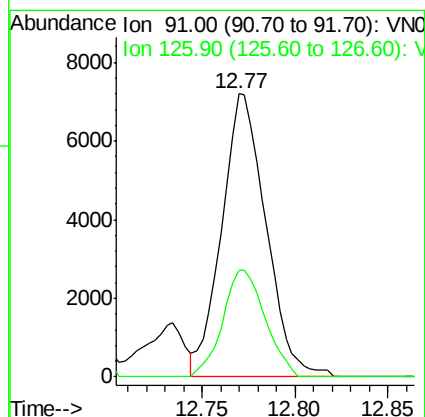
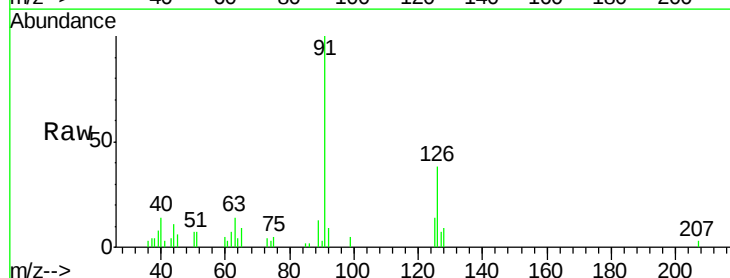
Acq: 29 Mar 2019 10:00

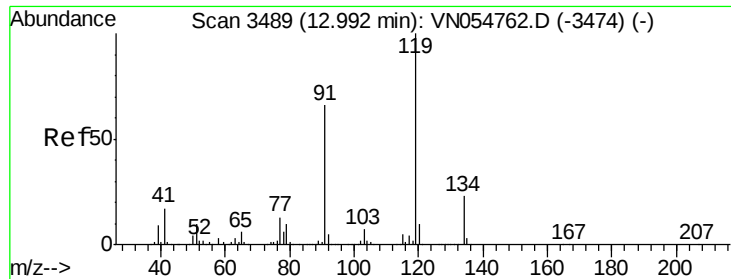
Tgt Ion: 91 Resp: 11934

Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.1

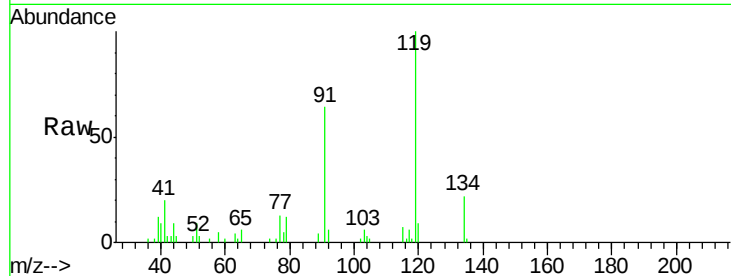




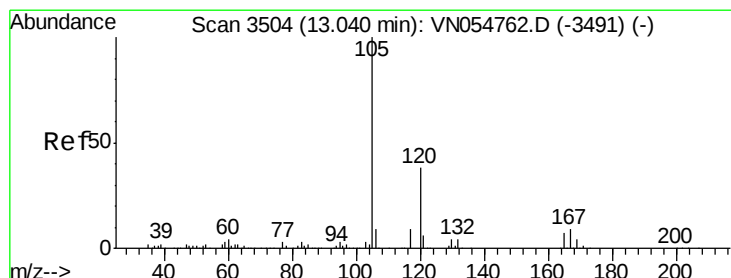
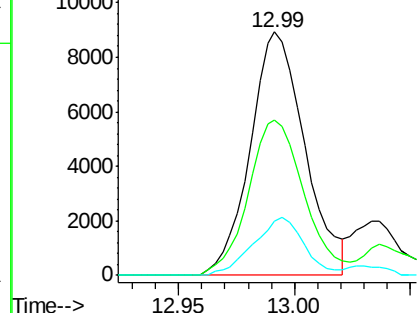
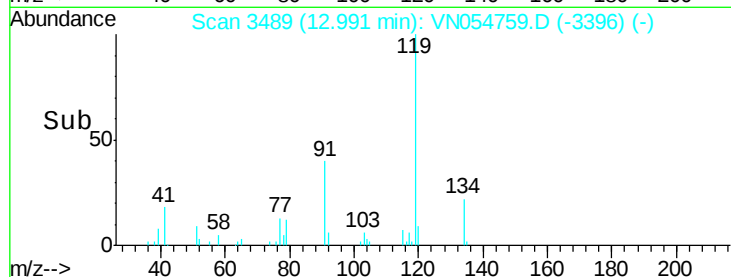
#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 14608
 Ion Ratio Lower Upper
 119 100
 91 65.1 30.9 92.8
 134 21.9 13.2 39.6

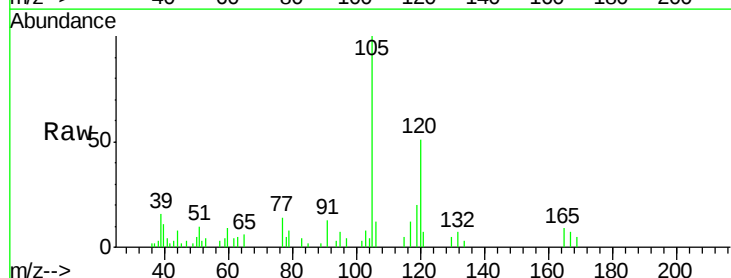


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

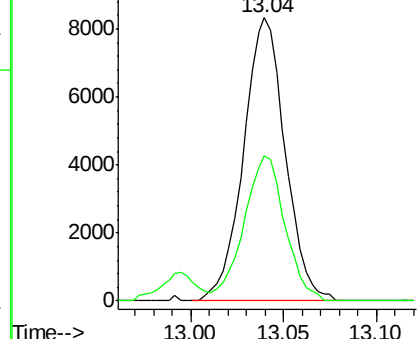
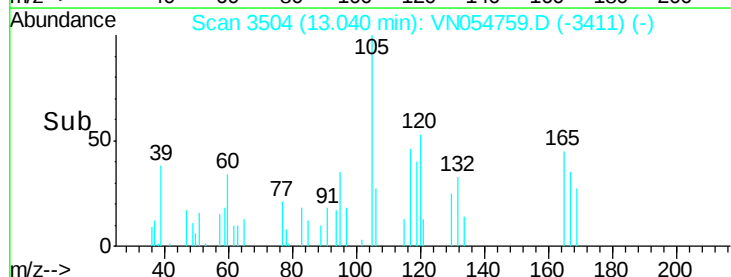


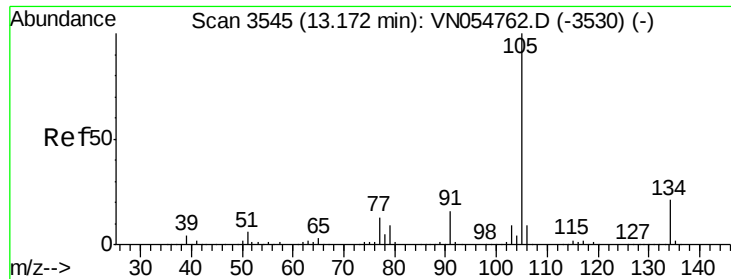
#84
 1,2,4-Trimethylbenzene
 Concen: 0.99 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion:105 Resp: 12964
 Ion Ratio Lower Upper
 105 100
 120 50.3 23.4 70.3



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





#85

sec-Butylbenzene

Concen: 1.10 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

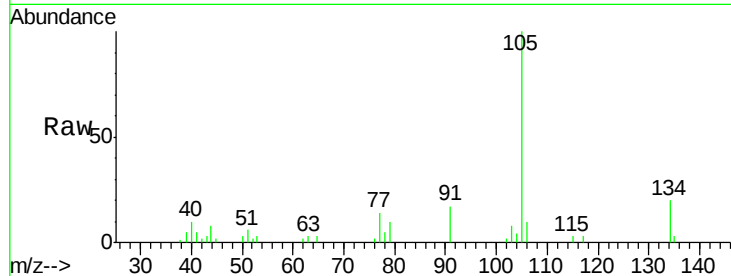
ClientSampleId :

Tot Ion:105 Resp: 16441

Ion Ratio Lower Upper

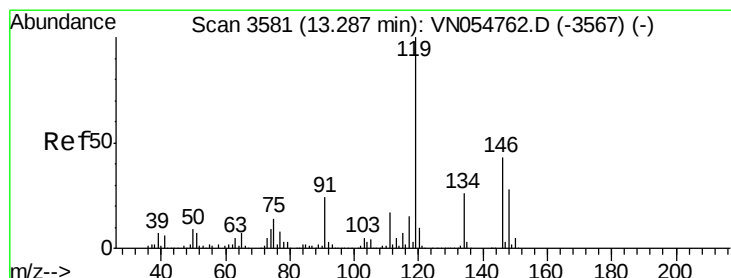
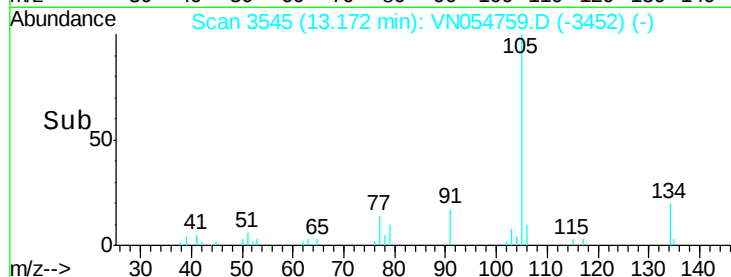
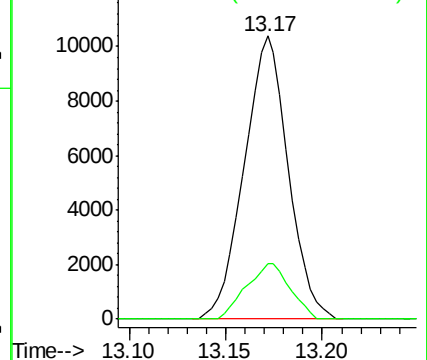
105 100

134 19.6 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.05 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

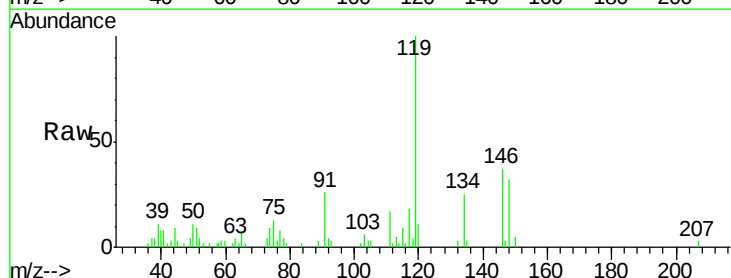
Tgt Ion:119 Resp: 13845

Ion Ratio Lower Upper

119 100

134 25.6 13.6 40.8

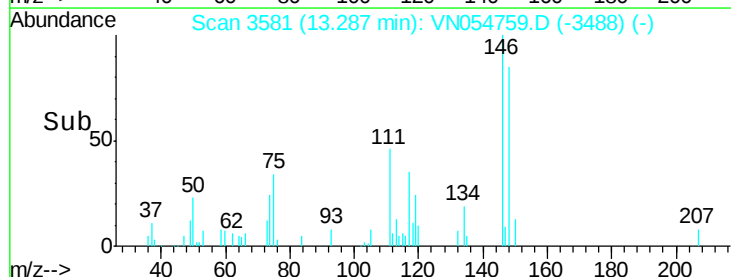
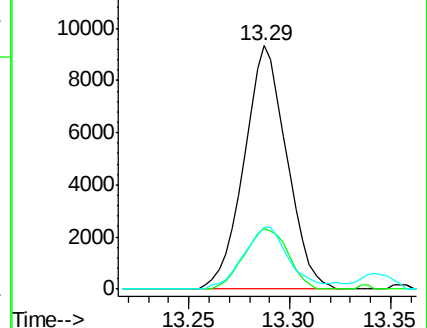
91 28.2 11.1 33.3

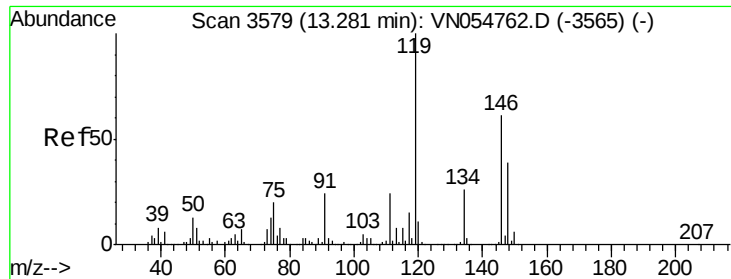


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

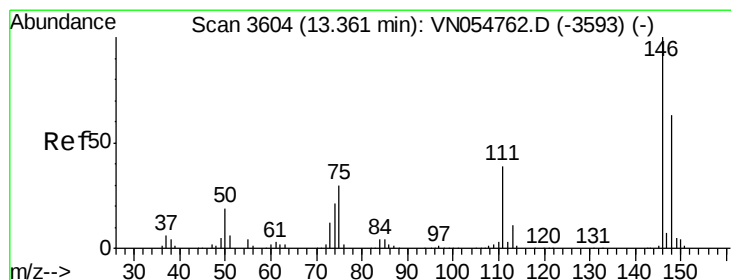
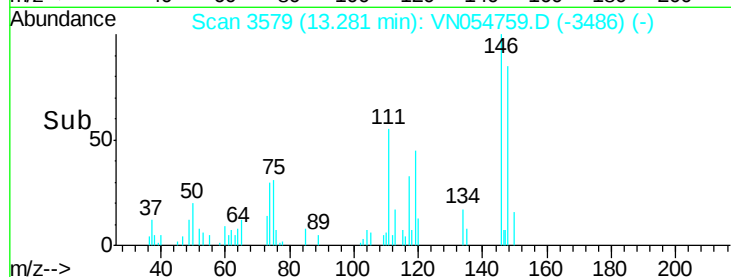
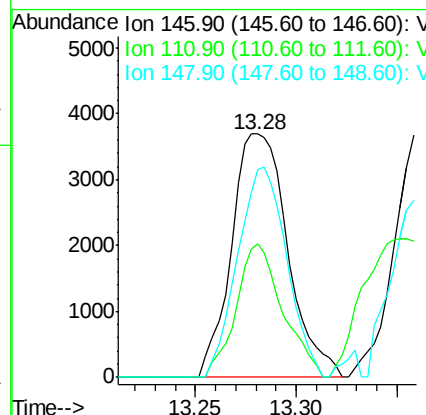
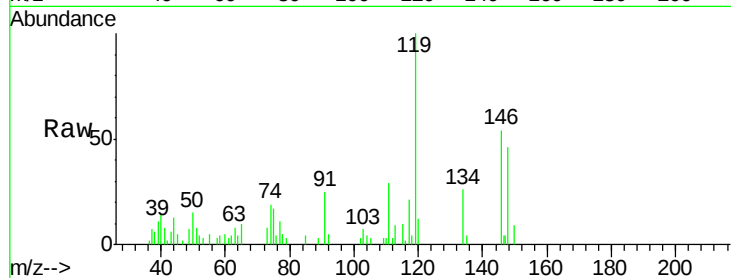




#87
 1,3-Dichlorobenzene
 Concen: 1.06 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

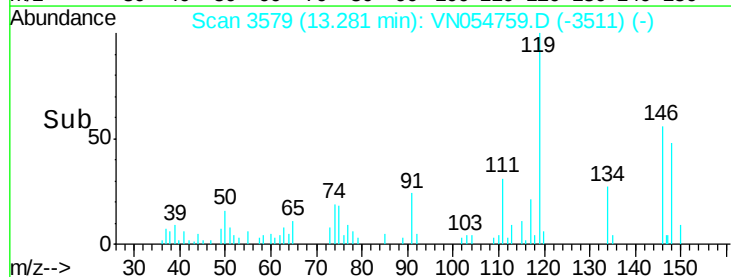
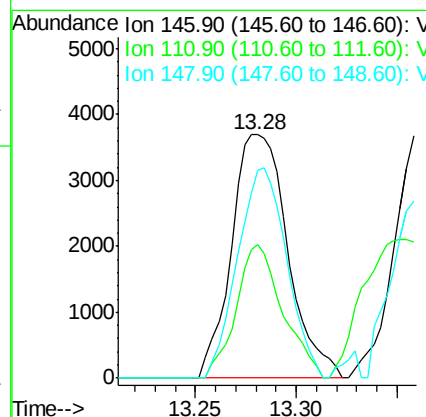
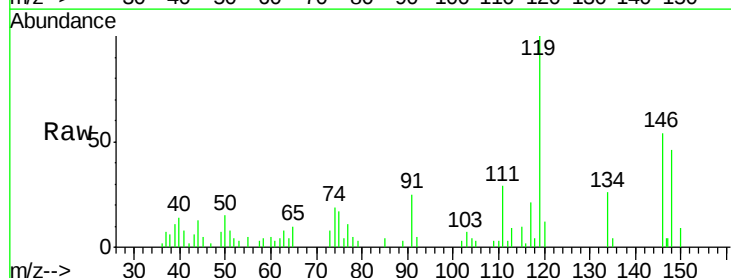
Instrument :
 MSVOA_N
 ClientSampled :

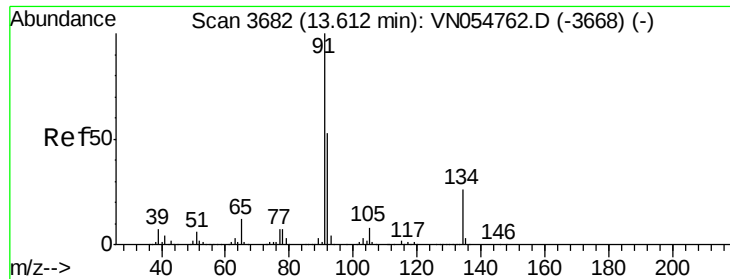
Tot Ion:146 Resp: 7189
 Ion Ratio Lower Upper
 146 100
 111 45.3 18.8 56.3
 148 75.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 1.08 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion:146 Resp: 7189
 Ion Ratio Lower Upper
 146 100
 111 45.3 18.1 54.1
 148 75.7 32.0 96.0

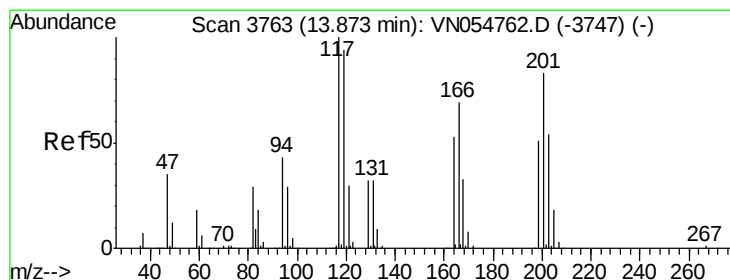
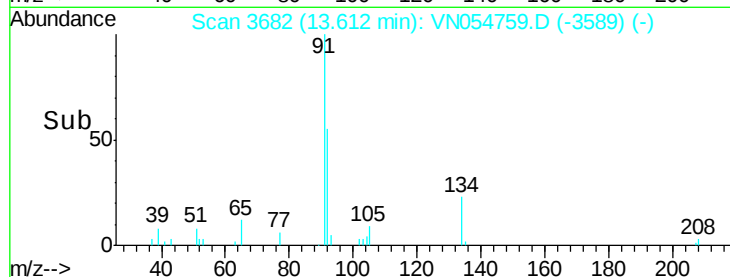
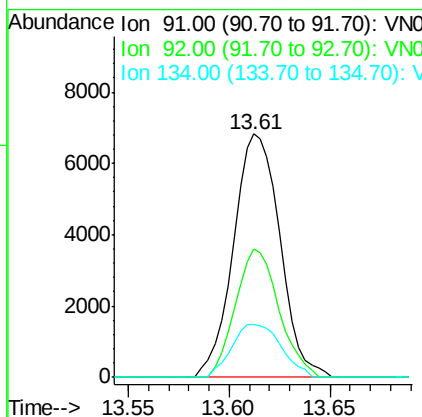
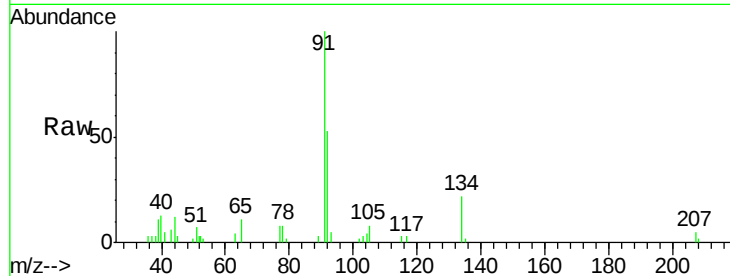




#89
n-Butylbenzene
Concen: 1.03 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

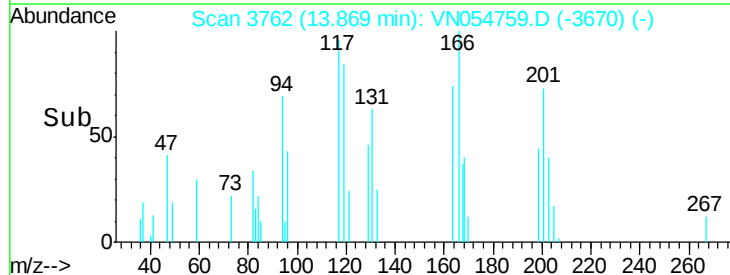
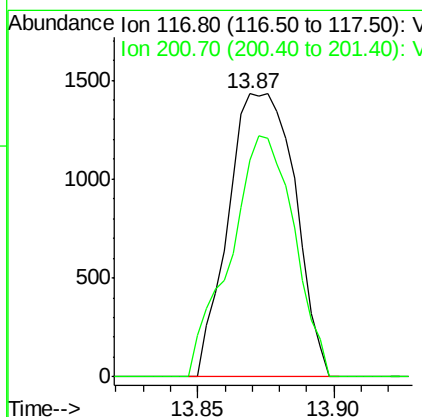
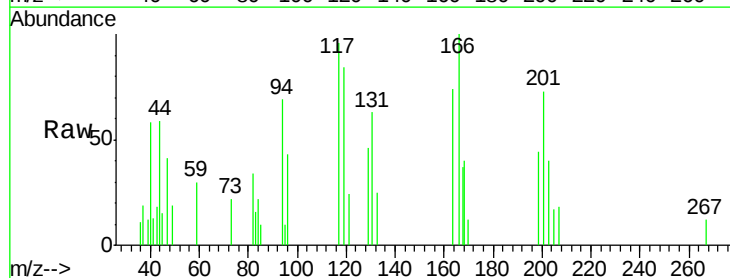
Instrument :
MSVOA_N
ClientSampled :

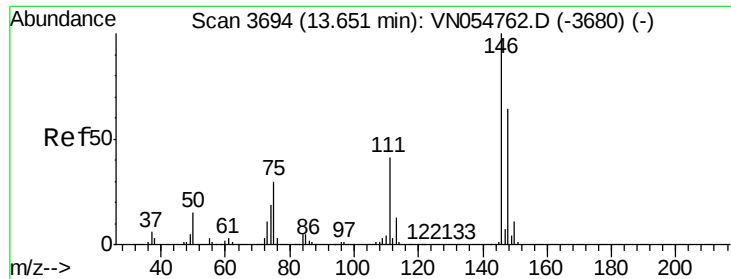
Tot Ion: 91 Resp: 11031
Ion Ratio Lower Upper
91 100
92 49.2 26.2 78.6
134 23.0 14.3 42.9



#90
Hexachloroethane
Concen: 1.09 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN054759.D
Acq: 29 Mar 2019 10:00

Tgt Ion: 117 Resp: 2434
Ion Ratio Lower Upper
117 100
201 81.1 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 1.22 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampleId :

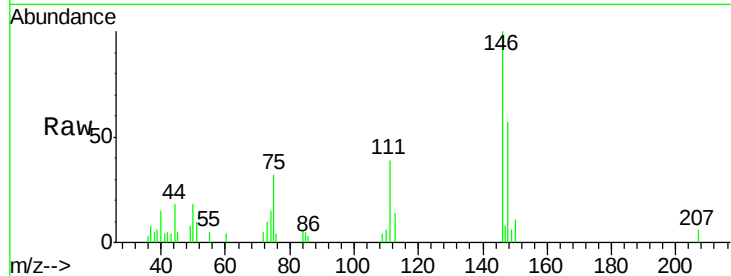
Tot Ion:146 Resp: 8314

Ion Ratio Lower Upper

146 100

111 37.9 19.1 57.3

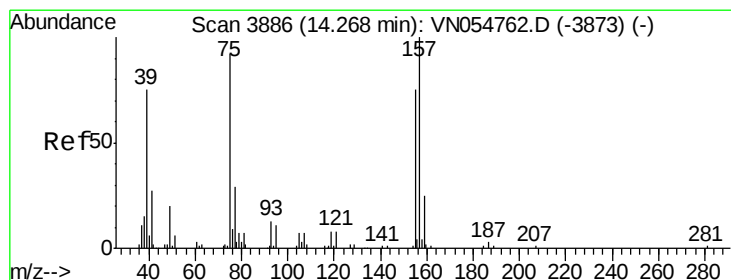
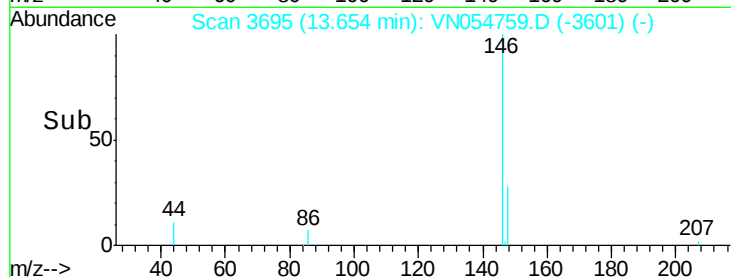
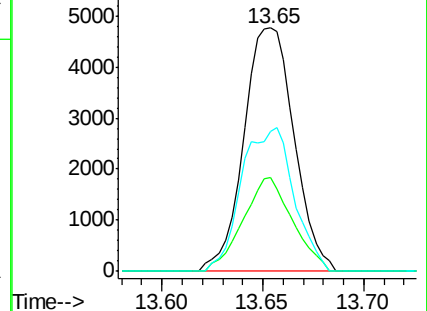
148 61.3 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.95 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

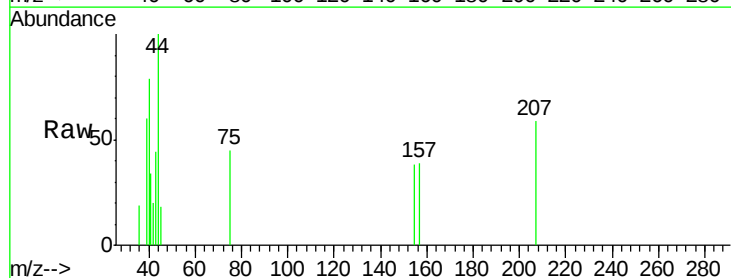
Tgt Ion: 75 Resp: 543

Ion Ratio Lower Upper

75 100

155 82.3 50.1 150.3

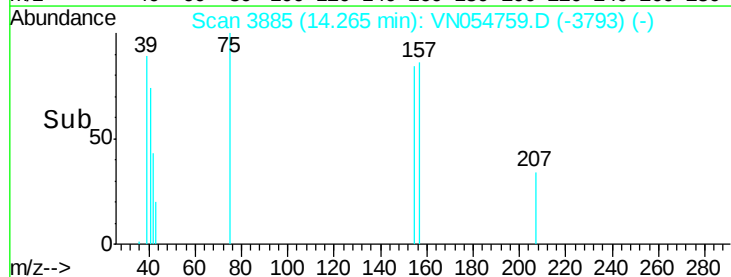
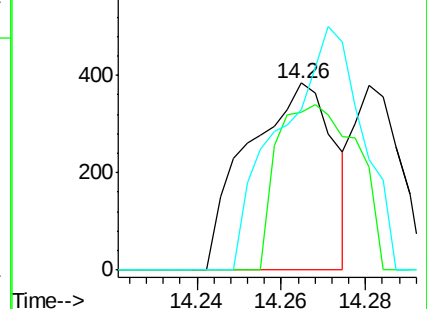
157 123.6 63.1 189.3

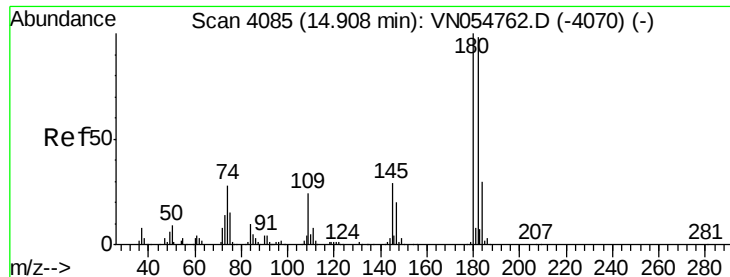


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

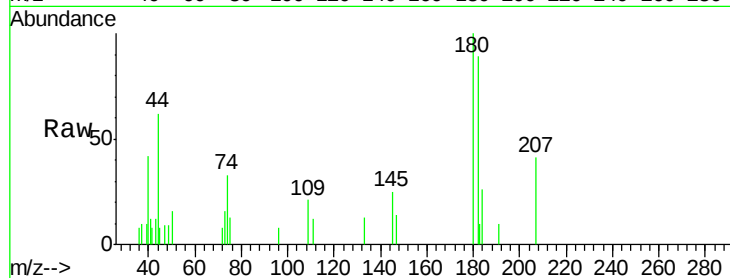




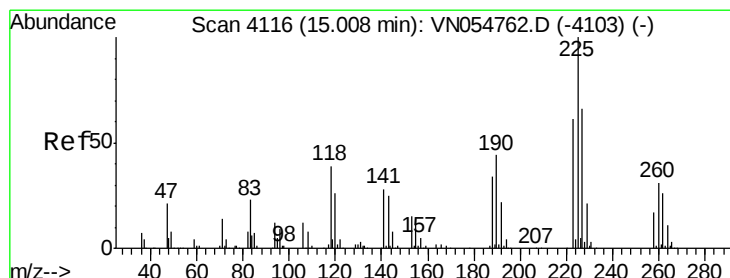
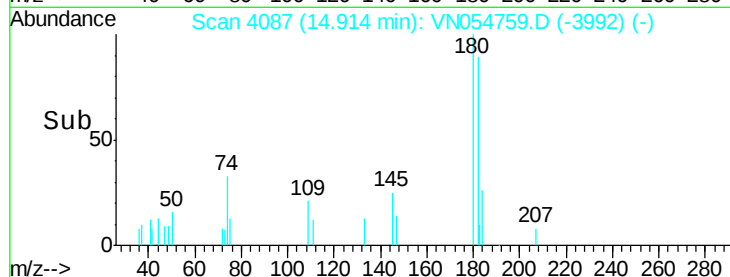
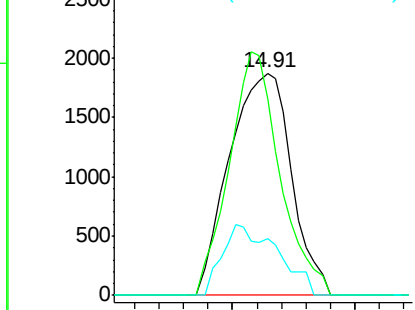
#93
 1,2,4-Trichlorobenzene
 Concen: 1.00 ua/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 3299
 Ion Ratio Lower Upper
 180 100
 182 89.4 48.0 144.2
 145 28.3 14.2 42.8

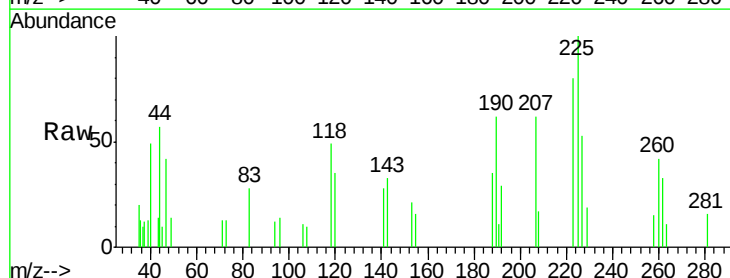


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

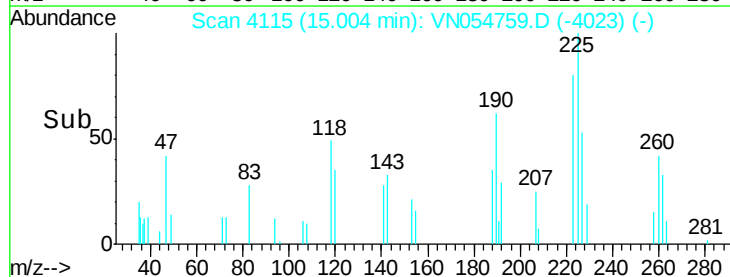
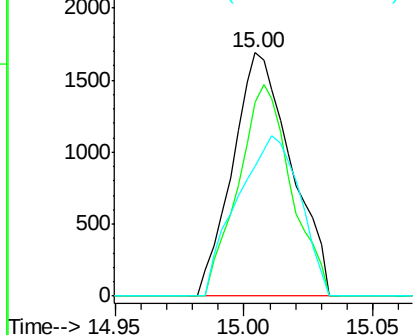


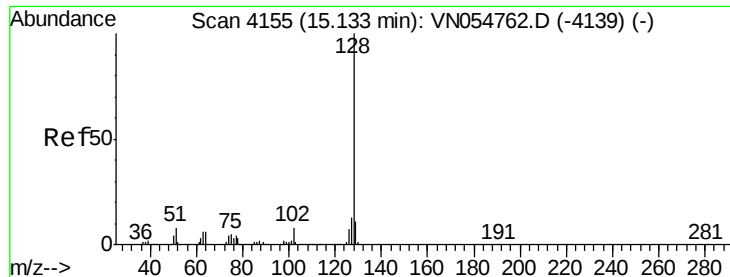
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN054759.D
 Acq: 29 Mar 2019 10:00

Tgt Ion:225 Resp: 2672
 Ion Ratio Lower Upper
 225 100
 223 78.1 31.1 93.5
 227 70.5 31.9 95.9



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: 0.99 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

Instrument :

MSVOA_N

ClientSampled :

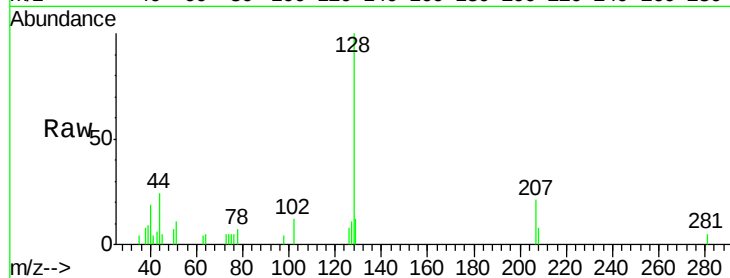
Tot Ion:128 Resp: 7296

Ion Ratio Lower Upper

128 100

127 7.0 10.1 15.1#

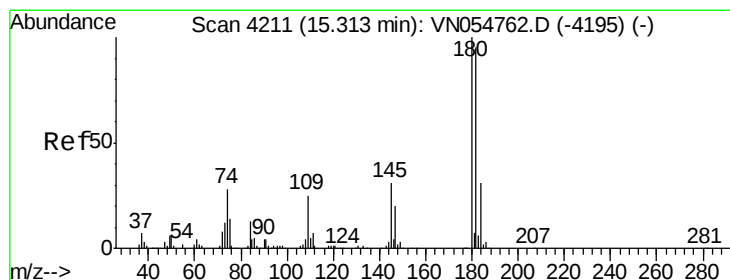
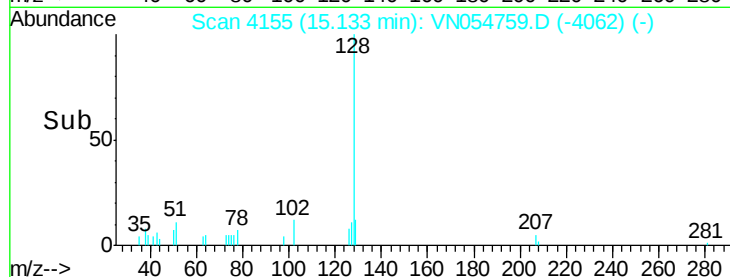
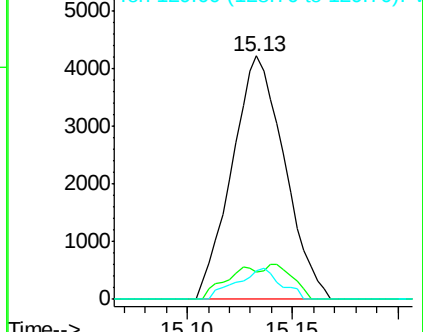
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.06 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN054759.D

Acq: 29 Mar 2019 10:00

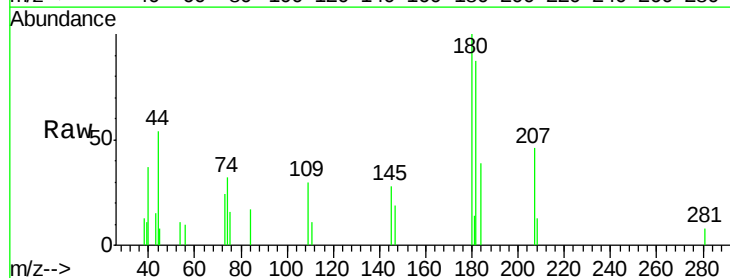
Tgt Ion:180 Resp: 3527

Ion Ratio Lower Upper

180 100

182 96.0 47.5 142.6

145 29.3 14.8 44.3



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

