

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049958.D
 Acq On : 20 Jul 2018 13:19
 Operator : MD\SY
 Sample : VN0720WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Quant Time: Jul 20 23:45:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	567519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	834286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	750310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	395629	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	406760	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	
35) Dibromofluoromethane	7.59	113	362303	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
50) Toluene-d8	10.09	98	1327161	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	434902	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	100391	18.50	ug/l	97
3) Chloromethane	2.06	50	130527	16.85	ug/l	99
4) Vinyl Chloride	2.18	62	145995	17.67	ug/l	96
5) Bromomethane	2.57	94	89324	18.12	ug/l	100
6) Chloroethane	2.70	64	95283	17.66	ug/l	99
7) Trichlorofluoromethane	3.01	101	206258	18.16	ug/l	98
8) Diethyl Ether	3.41	74	73874	18.64	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	130449	18.63	ug/l	98
10) Methyl Iodide	3.95	142	130602	13.90	ug/l	98
11) Tert butyl alcohol	4.81	59	47702	85.84	ug/l	98
12) 1,1-Dichloroethene	3.73	96	113973	18.52	ug/l	98
13) Acrolein	3.60	56	23653	66.05	ug/l	96
14) Allyl chloride	4.32	41	179664	18.52	ug/l	97
15) Acrylonitrile	5.00	53	227558	93.11	ug/l	99
16) Acetone	3.82	43	187619	92.90	ug/l	100
17) Carbon Disulfide	4.05	76	291475	15.83	ug/l	99
18) Methyl Acetate	4.33	43	133646	20.57	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	329409	19.46	ug/l	98
20) Methylene Chloride	4.55	84	141061	18.37	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	120417	18.43	ug/l	99
22) Diisopropyl ether	5.95	45	405320	20.48	ug/l	96
23) Vinyl Acetate	5.90	43	1331842	95.90	ug/l	100
24) 1,1-Dichloroethane	5.85	63	246434	19.40	ug/l	100
25) 2-Butanone	6.84	43	272630	94.46	ug/l	100
26) 2,2-Dichloropropane	6.83	77	207199	20.96	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	141128	19.69	ug/l	99
28) Bromochloromethane	7.19	49	121834	21.23	ug/l	99
29) Tetrahydrofuran	7.22	42	167707	92.24	ug/l	100
30) Chloroform	7.37	83	255969	19.62	ug/l	100
31) Cyclohexane	7.65	56	189895	18.36	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	214025	18.98	ug/l	99
36) 1,1-Dichloropropene	7.79	75	177018	19.08	ug/l	99
37) Ethyl Acetate	6.93	43	118470	18.60	ug/l	99
38) Carbon Tetrachloride	7.77	117	187992	18.92	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	174688	18.23	ug/l	95
40) Benzene	8.04	78	554473	19.61	ug/l	99
41) Methacrylonitrile	7.18	41	56380	17.66	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	183022	19.54	ug/l	100
43) Isopropyl Acetate	8.17	43	230370	20.70	ug/l #	89
44) Trichloroethene	8.84	130	143704	19.38	ug/l	98
45) 1,2-Dichloropropane	9.12	63	148864	19.52	ug/l	99
46) Dibromomethane	9.21	93	90020	19.03	ug/l	99
47) Bromodichloromethane	9.40	83	192187	19.65	ug/l	96
48) Methyl methacrylate	9.20	41	102724	18.40	ug/l	98
49) 1,4-Dioxane	9.20	88	28980	365.95	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	596842	95.94	ug/l	99
52) Toluene	10.16	92	338359	20.06	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	188710	19.51	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	215057	20.12	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	131532	18.88	ug/l	98
56) Ethyl methacrylate	10.43	69	151024	17.60	ug/l	97
57) 1,3-Dichloropropane	10.71	76	214411	19.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	382311	93.29	ug/l	100
59) 2-Hexanone	10.75	43	400501	95.85	ug/l	98
60) Dibromochloromethane	10.90	129	146418	19.16	ug/l	98
61) 1,2-Dibromoethane	11.01	107	126692	19.46	ug/l	99
64) Tetrachloroethene	10.63	164	137522	20.40	ug/l	98
65) Chlorobenzene	11.43	112	375171	19.90	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	144204	19.75	ug/l	100
67) Ethyl Benzene	11.51	91	610563	19.96	ug/l	99
68) m/p-Xylenes	11.62	106	476973	41.20	ug/l	100
69) o-Xylene	11.95	106	224766	20.21	ug/l	100
70) Styrene	11.97	104	370998	20.60	ug/l	99
71) Bromoform	12.13	173	101378	19.41	ug/l #	99
73) Isopropylbenzene	12.25	105	610436	20.31	ug/l	100
74) N-amyl acetate	12.07	43	166917	18.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	167852	18.64	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	199005	26.81	ug/l #	100
77) Bromobenzene	12.53	156	165197	19.91	ug/l	99
78) n-propylbenzene	12.59	91	707604	20.71	ug/l	100
79) 2-Chlorotoluene	12.68	91	432807	20.63	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	507252	21.06	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43244	18.22	ug/l	95
82) 4-Chlorotoluene	12.77	91	435219	20.68	ug/l	100
83) tert-Butylbenzene	12.99	119	435357	20.58	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	515640	21.13	ug/l	100
85) sec-Butylbenzene	13.17	105	589933	21.10	ug/l	100
86) p-Isopropyltoluene	13.29	119	503911	21.15	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	288000	19.92	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	277881	19.17	ug/l	99
89) n-Butylbenzene	13.62	91	397158	20.18	ug/l	99
90) Hexachloroethane	13.88	117	99471	18.60	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	282614	19.88	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24821	17.84	ug/l	98

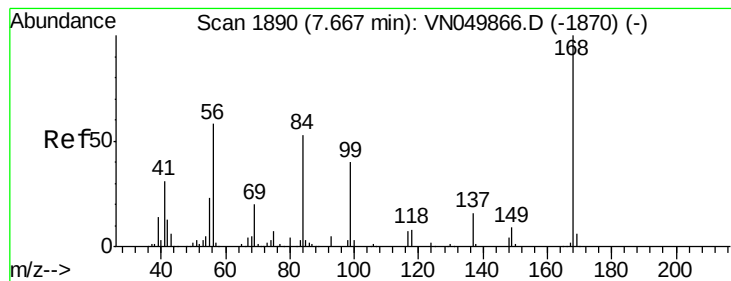
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Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124033	18.20	ug/l	97
94) Hexachlorobutadiene	15.01	225	90612	19.45	ug/l	98
95) Naphthalene	15.14	128	245395	16.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	128563	18.85	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

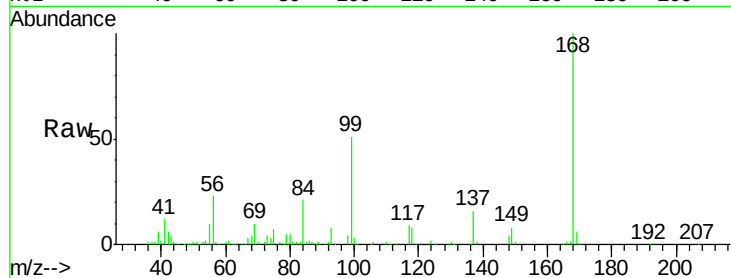
VN0720WBS01

Tot Ion:168 Resp: 567519

Ion Ratio Lower Upper

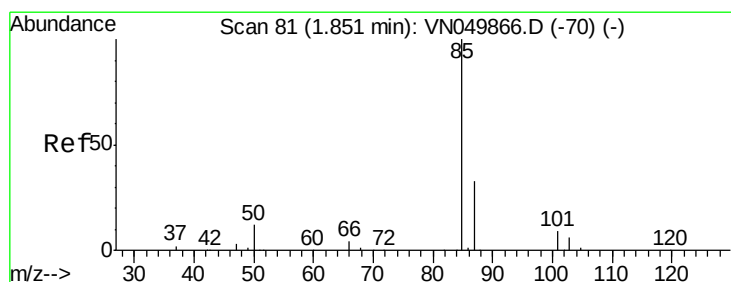
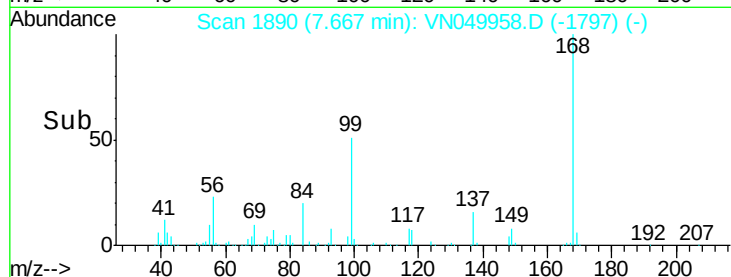
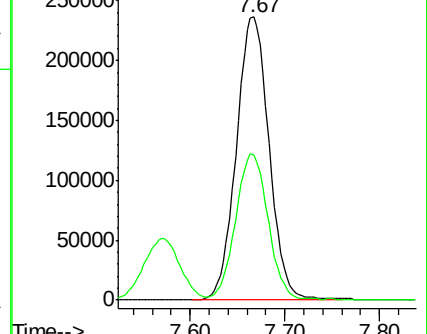
168 100

99 50.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.50 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049958.D

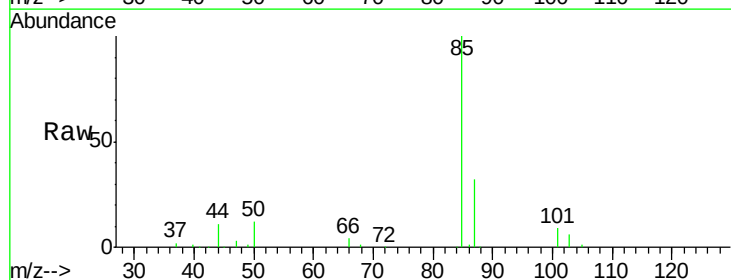
Acq: 20 Jul 2018 13:19

Tgt Ion: 85 Resp: 100391

Ion Ratio Lower Upper

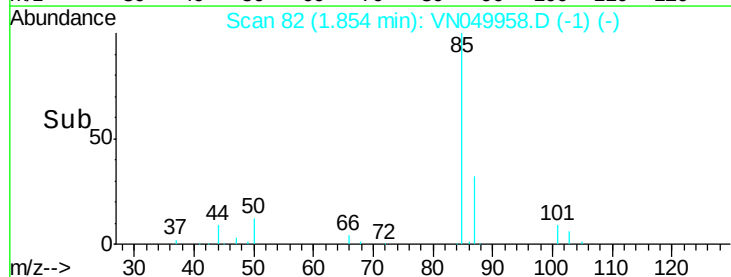
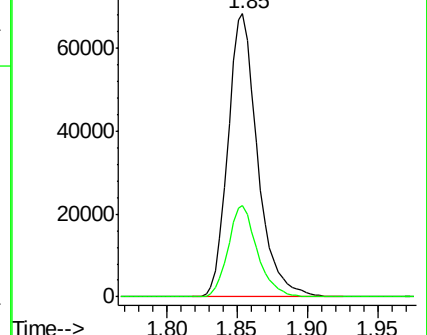
85 100

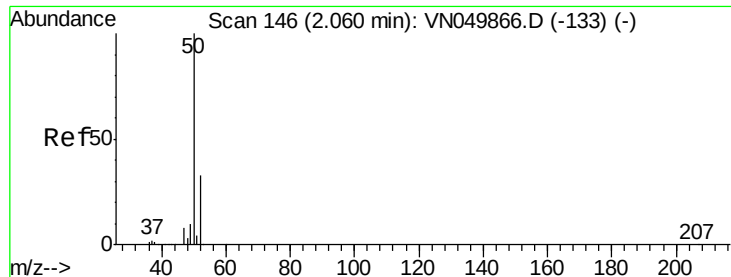
87 32.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 16.85 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

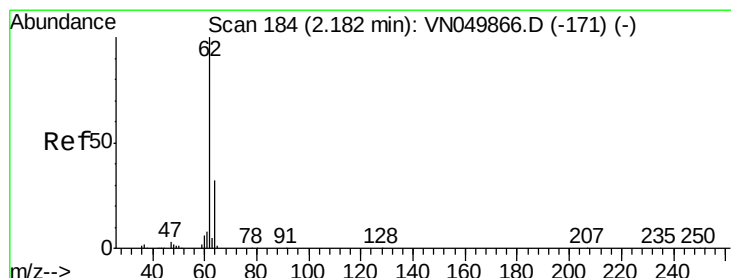
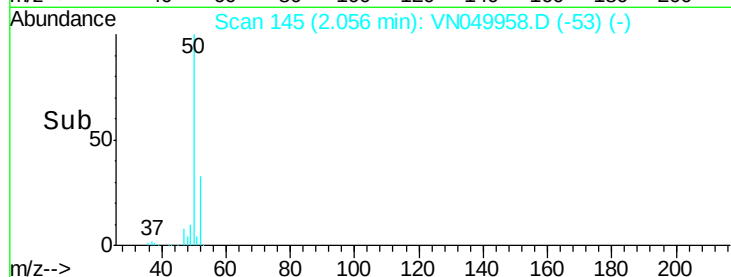
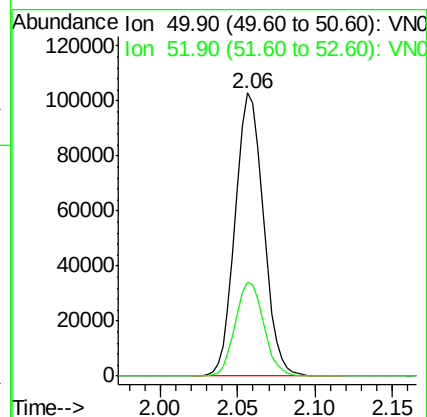
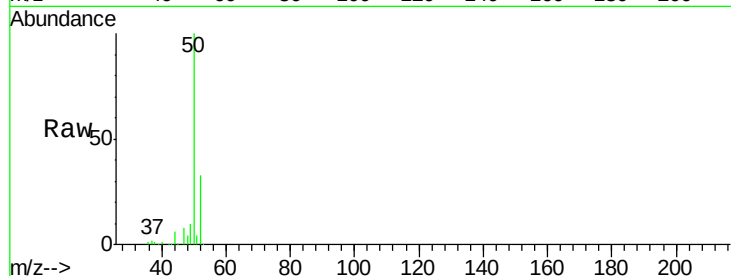
VN0720WBS01

Tot Ion: 50 Resp: 130527

Ion Ratio Lower Upper

50 100

52 33.3 26.1 39.1



#4

Vinyl Chloride

Concen: 17.67 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049958.D

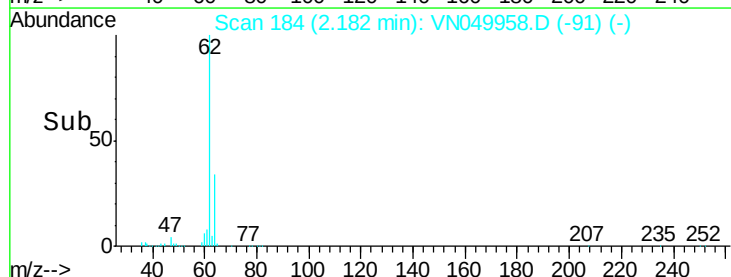
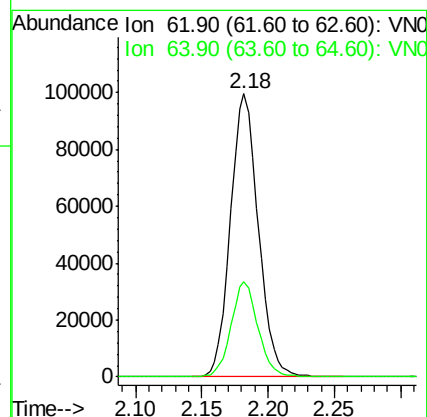
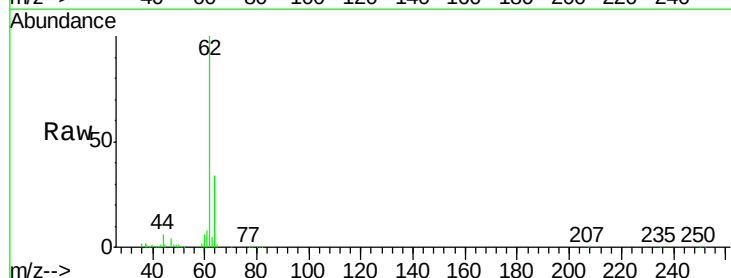
Acq: 20 Jul 2018 13:19

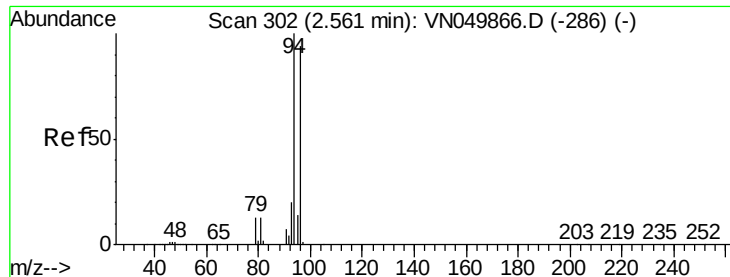
Tgt Ion: 62 Resp: 145995

Ion Ratio Lower Upper

62 100

64 33.8 25.4 38.0





#5

Bromomethane

Concen: 18.12 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

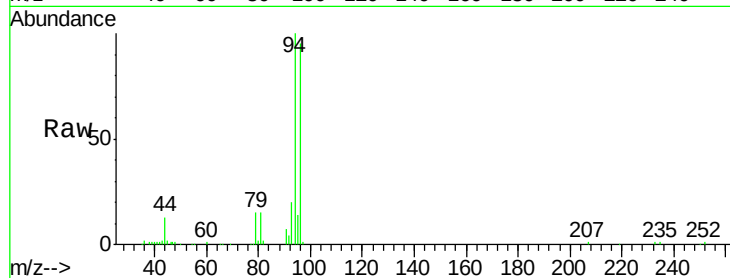
VN0720WBS01

Tot Ion: 94 Resp: 89324

Ion Ratio Lower Upper

94 100

96 95.1 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

50000

40000

30000

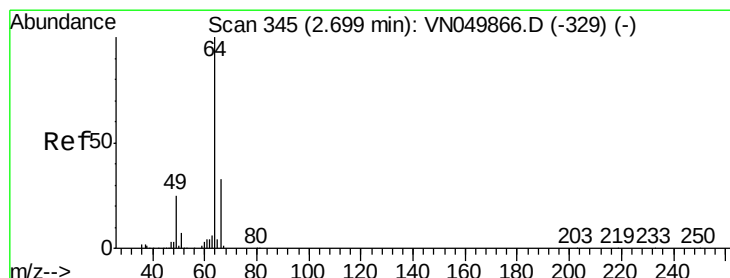
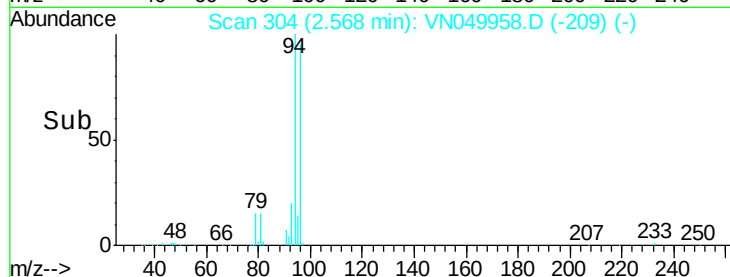
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 17.66 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN049958.D

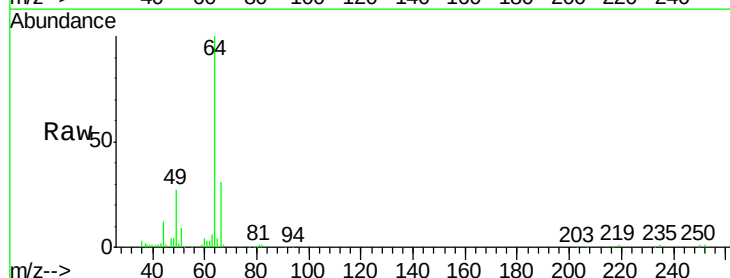
Acq: 20 Jul 2018 13:19

Tgt Ion: 64 Resp: 95283

Ion Ratio Lower Upper

64 100

66 31.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

50000

40000

30000

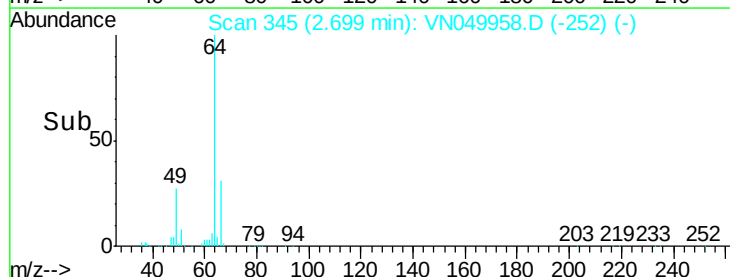
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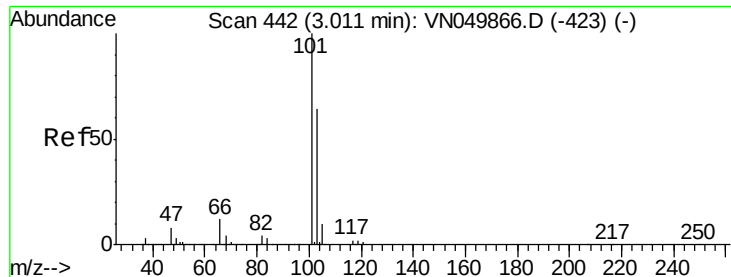
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Time-->

2.60 2.65 2.70 2.75 2.80



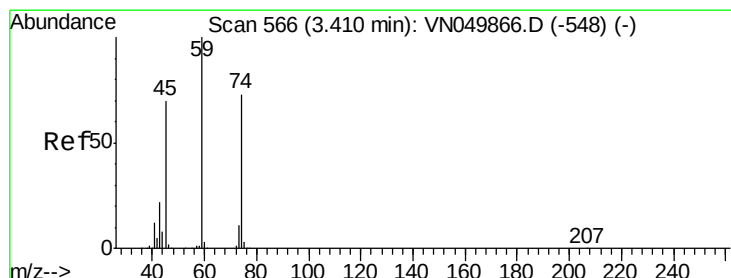
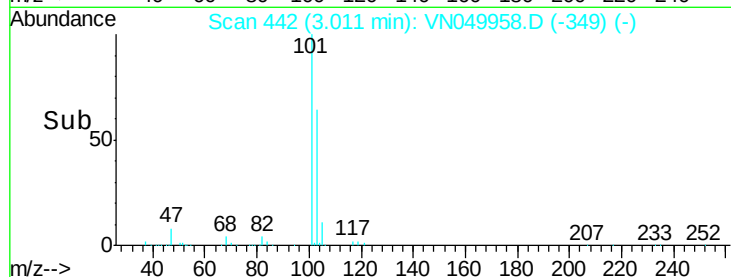
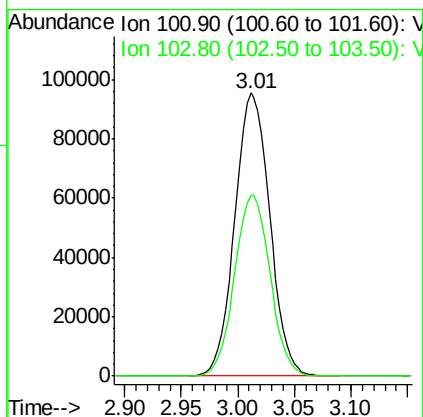
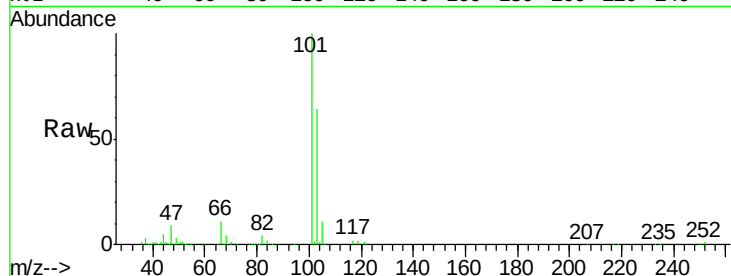


#7

Trichlorofluoromethane
 Concen: 18.16 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

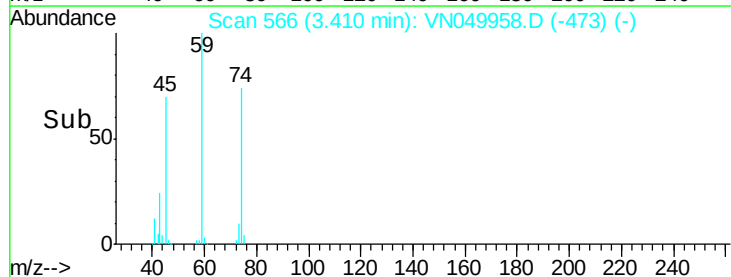
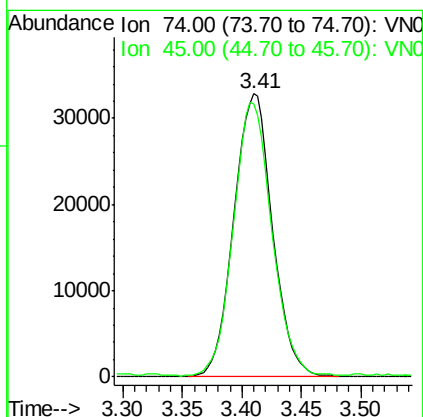
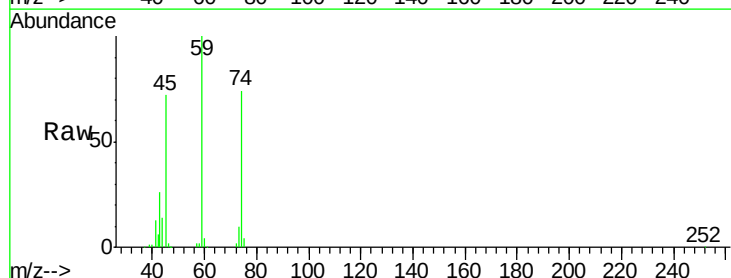
Tot Ion:101 Resp: 206258
 Ion Ratio Lower Upper
 101 100
 103 64.1 52.8 79.2

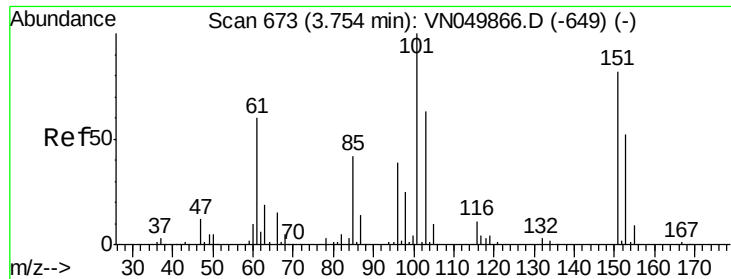


#8

Diethyl Ether
 Concen: 18.64 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 74 Resp: 73874
 Ion Ratio Lower Upper
 74 100
 45 97.8 48.4 145.2

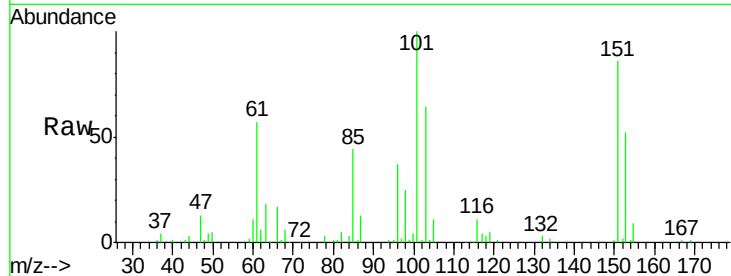




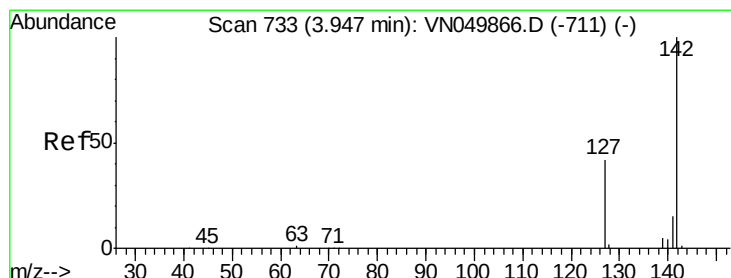
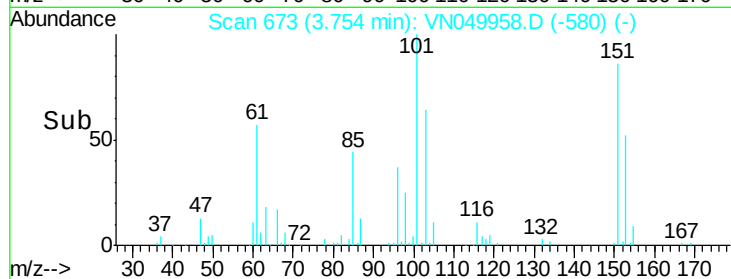
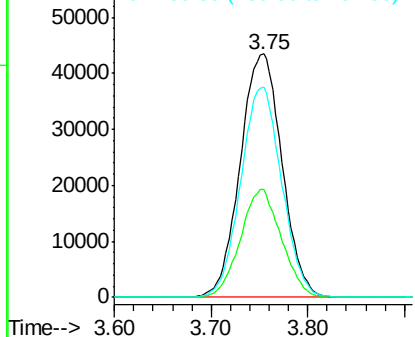
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.63 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion:101 Resp: 130449
 Ion Ratio Lower Upper
 101 100
 85 43.4 34.4 51.6
 151 84.8 66.2 99.4

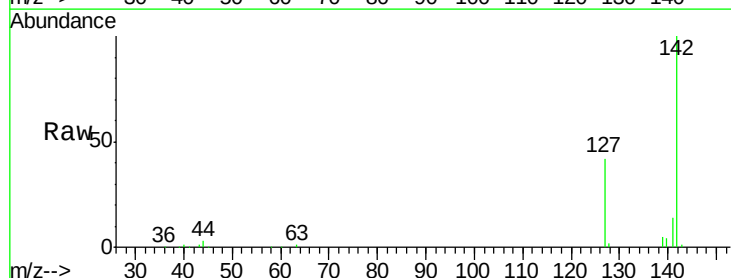


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

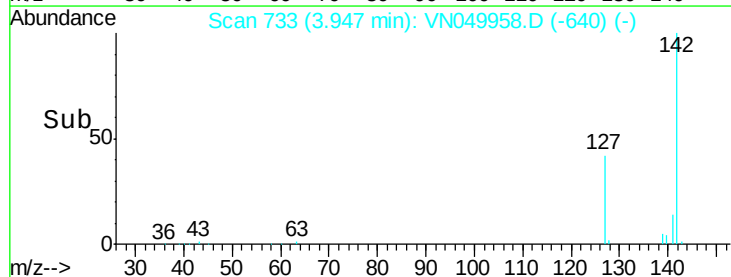
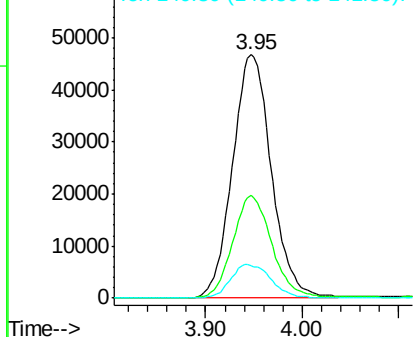


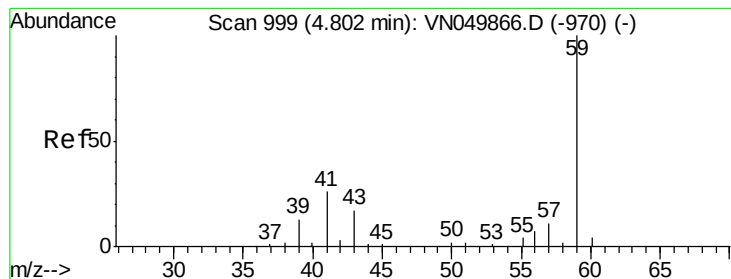
#10
 Methyl Iodide
 Concen: 13.90 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion:142 Resp: 130602
 Ion Ratio Lower Upper
 142 100
 127 42.4 32.5 48.7
 141 14.4 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 85.84 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

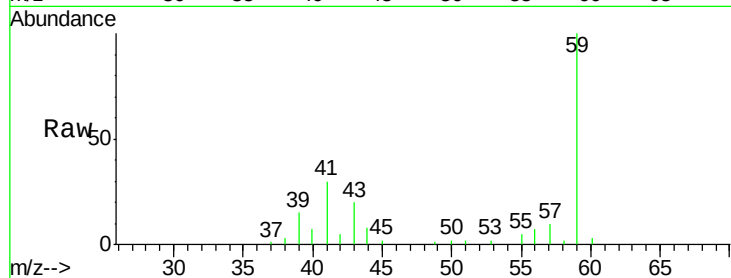
VN0720WBS01

Tot Ion: 59 Resp: 47702

Ion Ratio Lower Upper

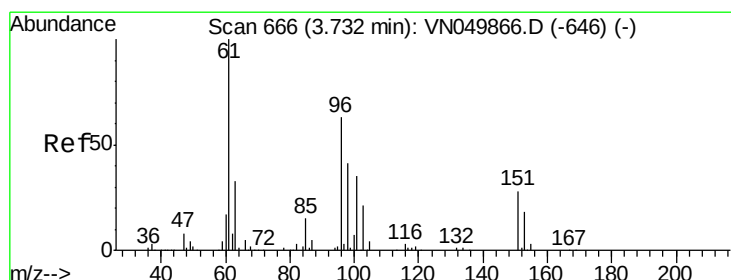
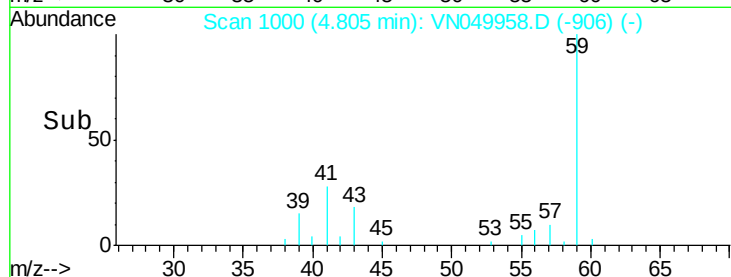
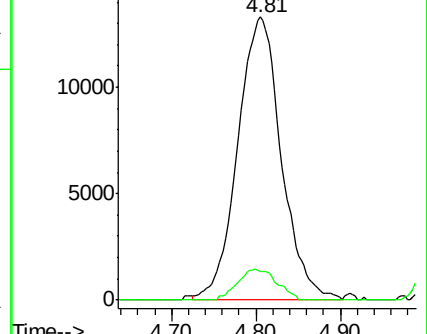
59 100

57 9.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 18.52 ug/l

RT: 3.73 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

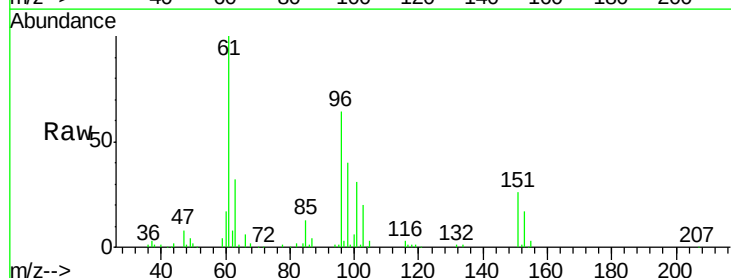
Tgt Ion: 96 Resp: 113973

Ion Ratio Lower Upper

96 100

61 155.9 126.5 189.7

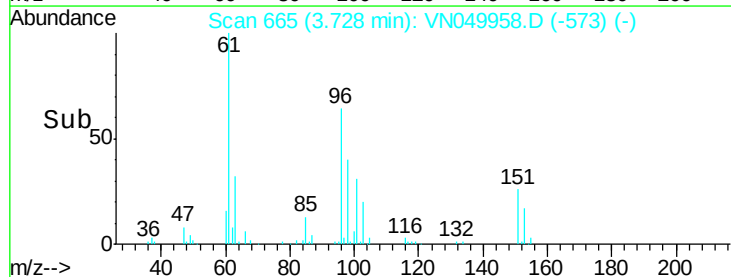
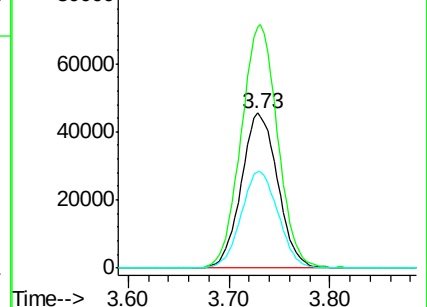
98 62.3 51.0 76.6

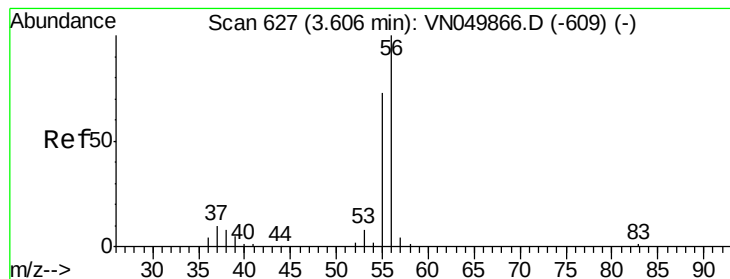


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 66.05 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

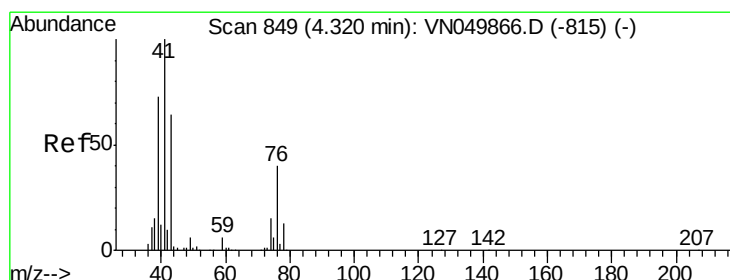
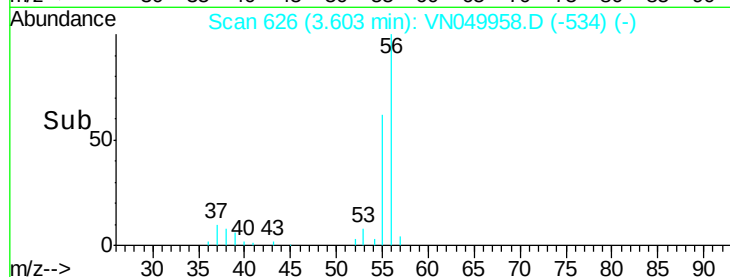
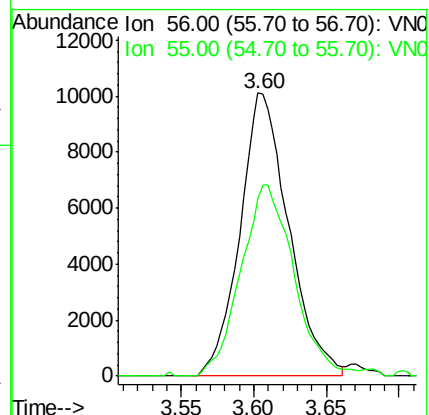
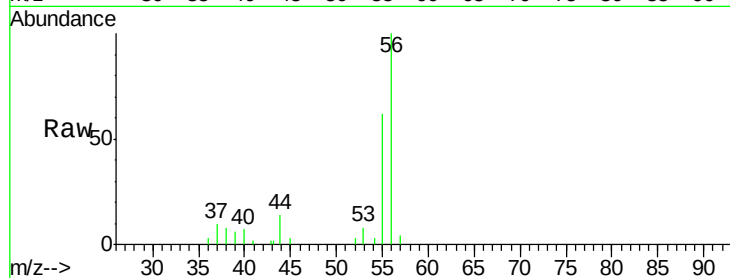
VN0720WBS01

Tot Ion: 56 Resp: 23653

Ion Ratio Lower Upper

56 100

55 73.3 55.8 83.8



#14

Allyl chloride

Concen: 18.52 ug/l

RT: 4.32 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

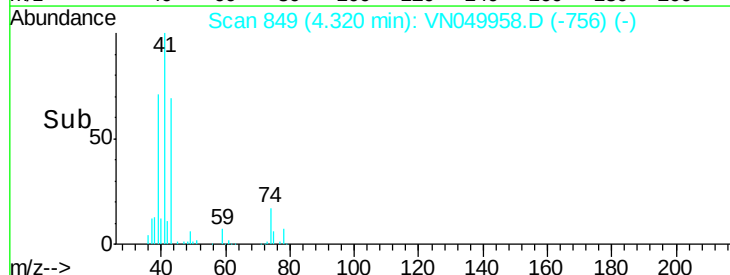
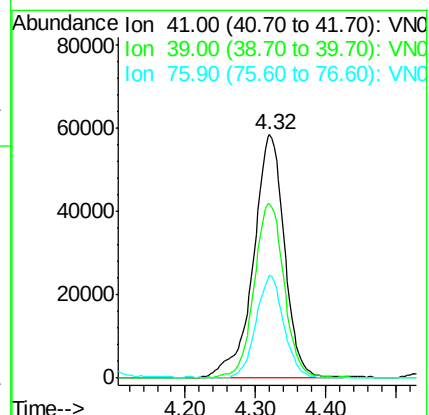
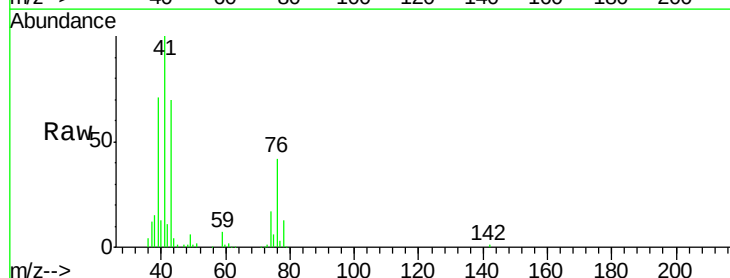
Tgt Ion: 41 Resp: 179664

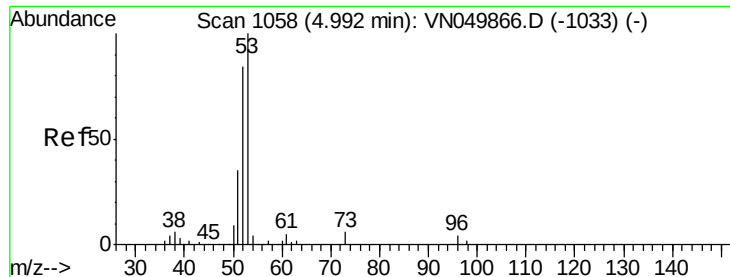
Ion Ratio Lower Upper

41 100

39 69.0 53.2 79.8

76 37.6 29.0 43.6





#15

Acrylonitrile

Concen: 93.11 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

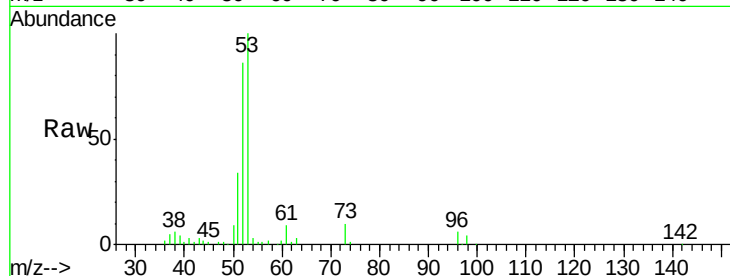
Tot Ion: 53 Resp: 227558

Ion Ratio Lower Upper

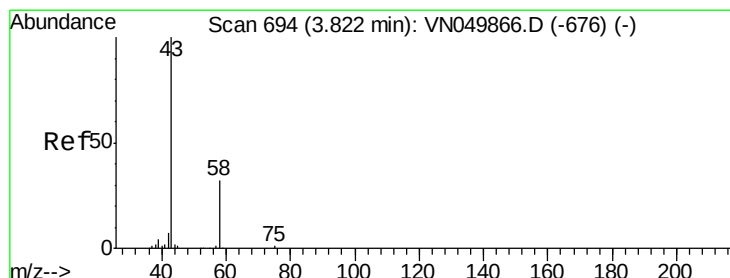
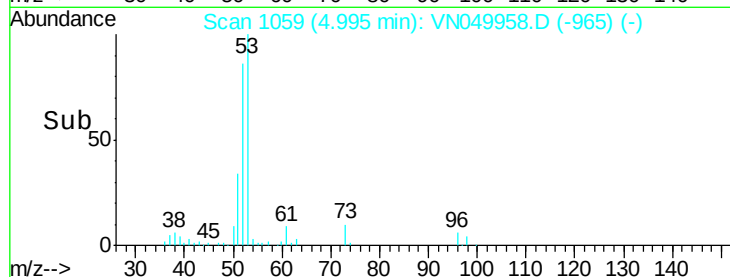
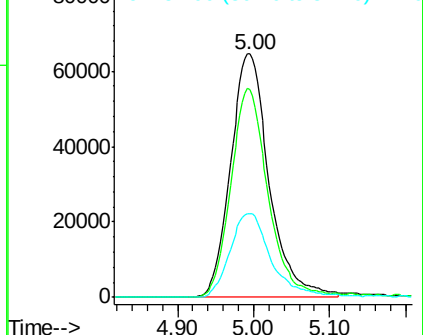
53 100

52 82.4 64.8 97.2

51 36.5 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 92.90 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049958.D

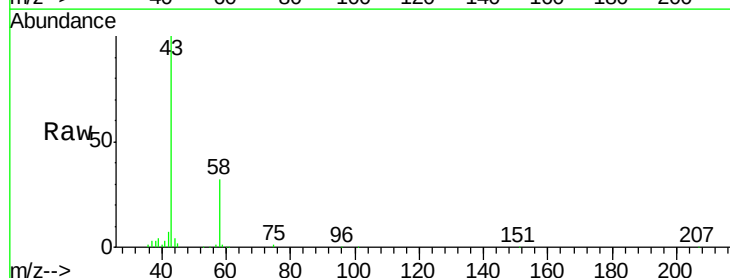
Acq: 20 Jul 2018 13:19

Tgt Ion: 43 Resp: 187619

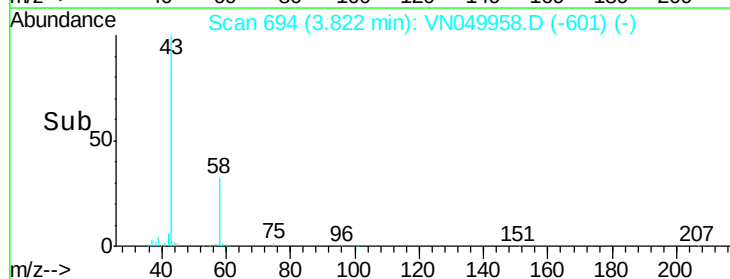
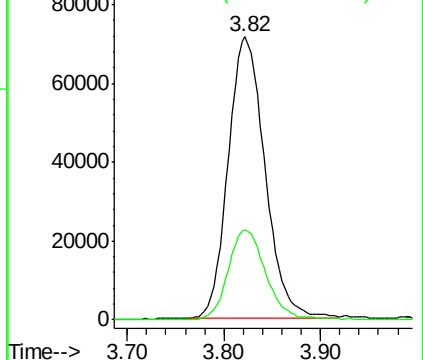
Ion Ratio Lower Upper

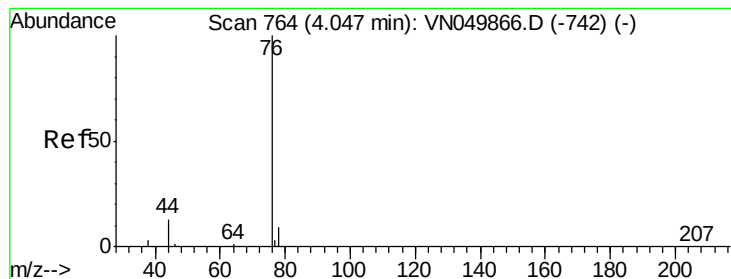
43 100

58 32.2 25.9 38.9



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





#17

Carbon Disulfide

Concen: 15.83 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

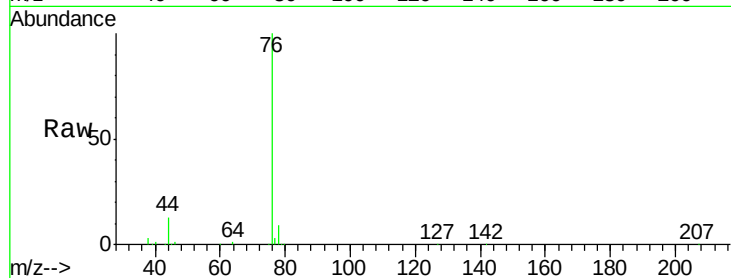
VN0720WBS01

Tot Ion: 76 Resp: 291475

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

120000

100000

80000

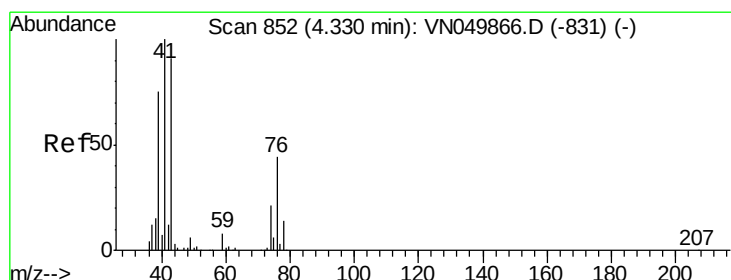
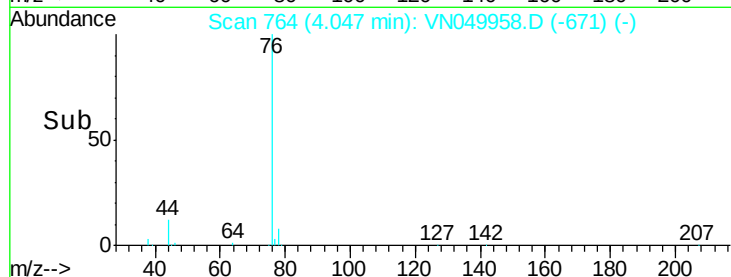
60000

40000

20000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 20.57 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN049958.D

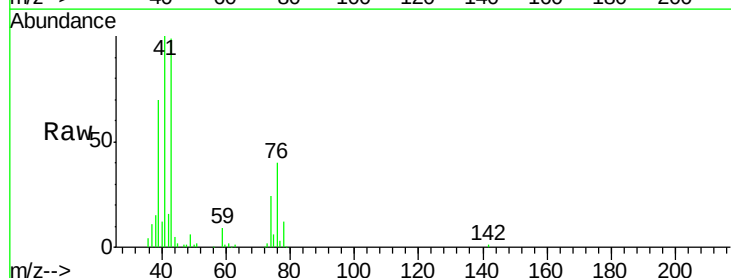
Acq: 20 Jul 2018 13:19

Tgt Ion: 43 Resp: 133646

Ion Ratio Lower Upper

43 100

74 25.1 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

50000

40000

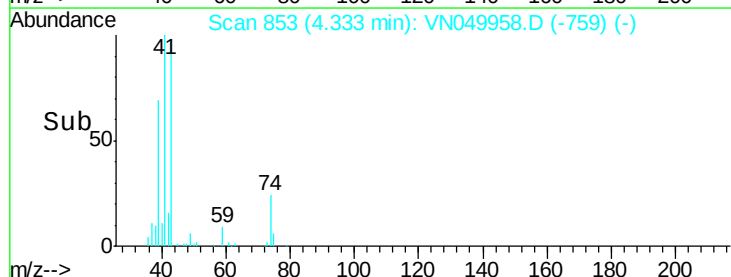
30000

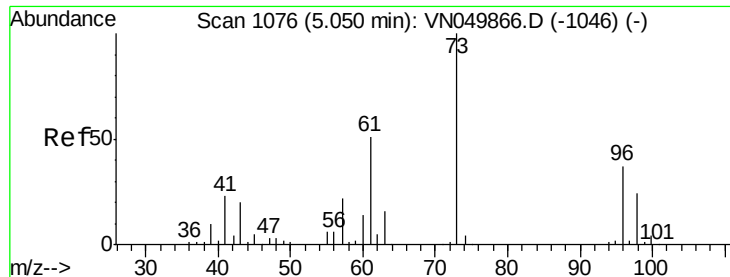
20000

10000

0

Time--> 4.30 4.40

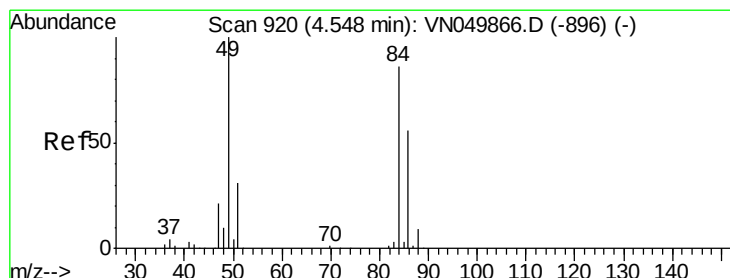
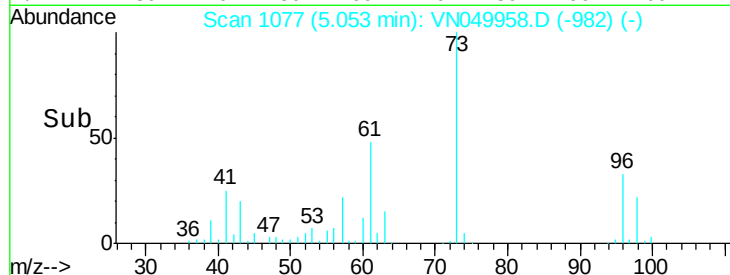
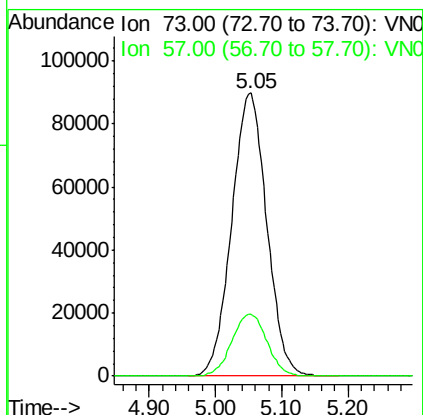
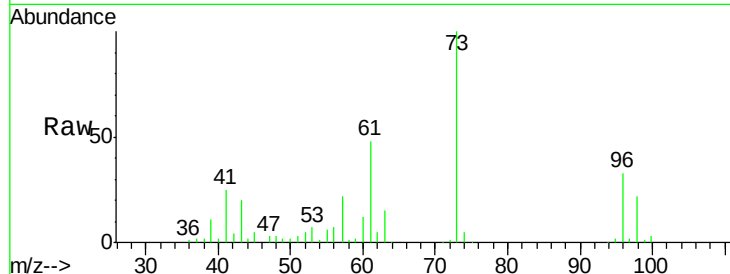




#19
Methvl tert-butvl Ether
Concen: 19.46 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

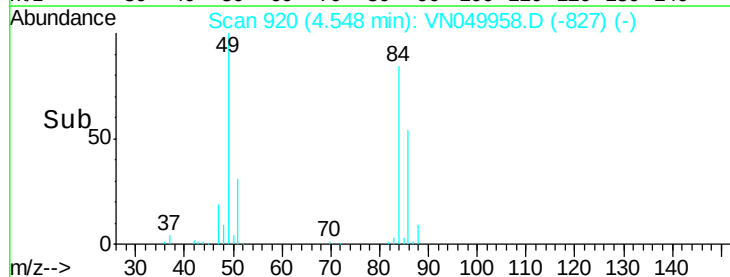
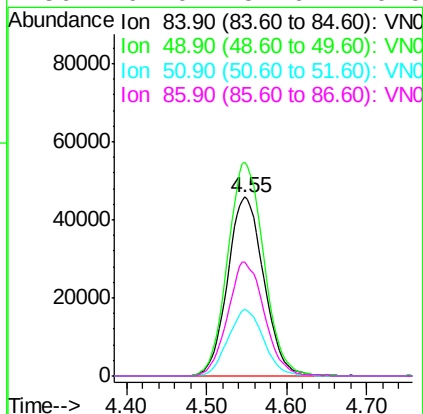
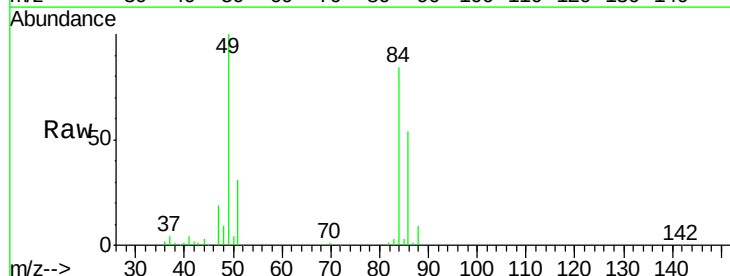
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

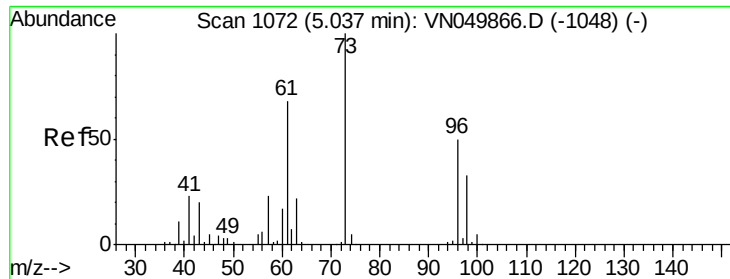
Tot Ion: 73 Resp: 329409
Ion Ratio Lower Upper
73 100
57 21.7 18.1 27.1



#20
Methylene Chloride
Concen: 18.37 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 84 Resp: 141061
Ion Ratio Lower Upper
84 100
49 119.4 95.4 143.2
51 37.2 28.4 42.6
86 64.0 52.6 79.0

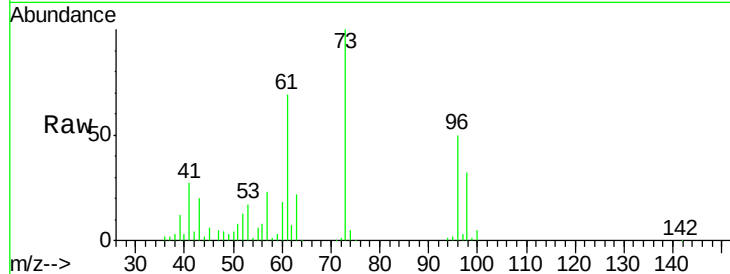




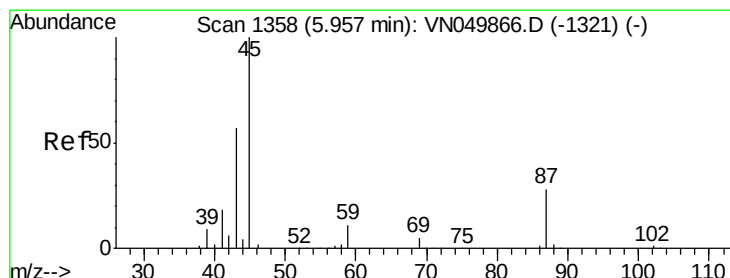
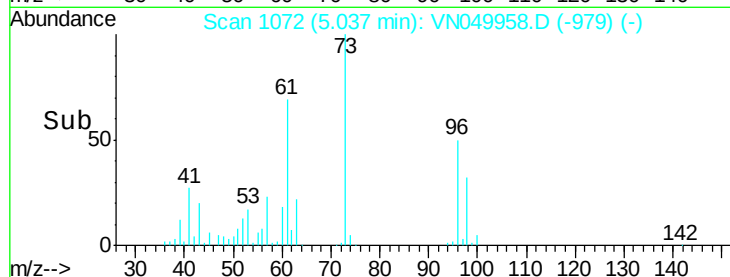
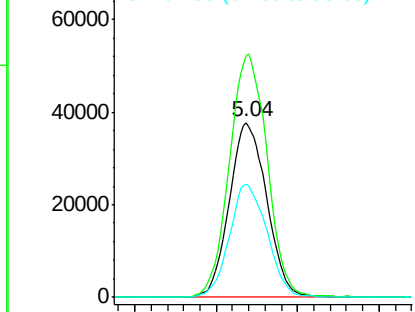
#21
trans-1,2-Dichloroethene
Concen: 18.43 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion: 96 Resp: 120417
Ion Ratio Lower Upper
96 100
61 138.3 109.0 163.6
98 64.7 51.1 76.7

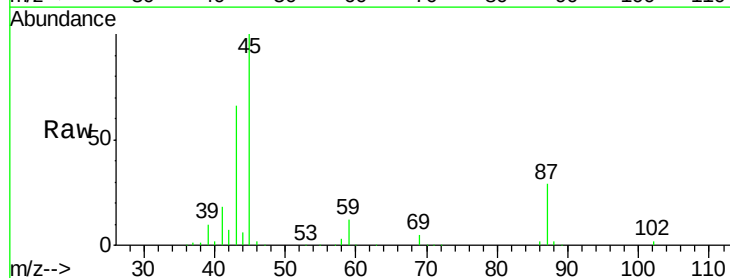


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

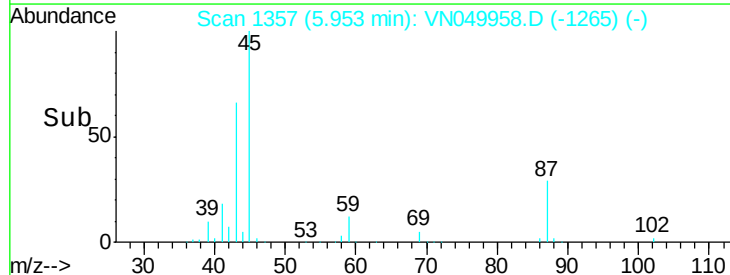
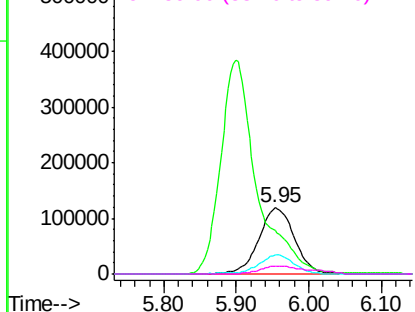


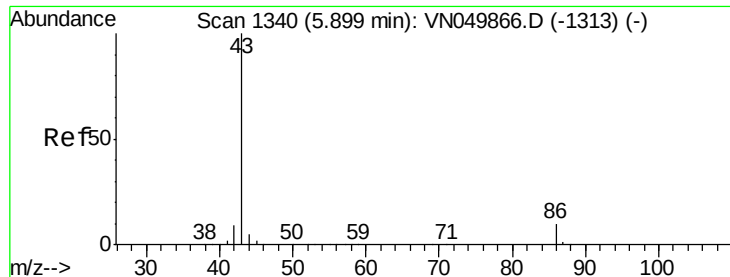
#22
Diisopropyl ether
Concen: 20.48 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 45 Resp: 405320
Ion Ratio Lower Upper
45 100
43 65.3 48.1 72.1
87 28.5 22.6 34.0
59 11.9 9.2 13.8



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

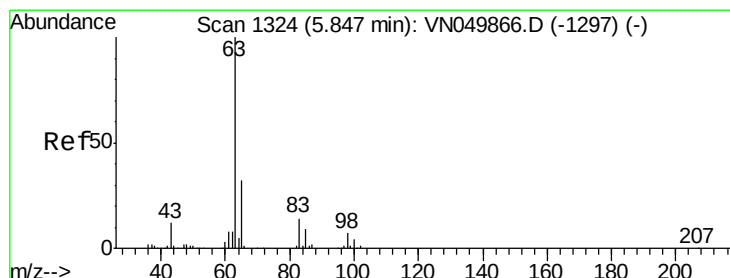
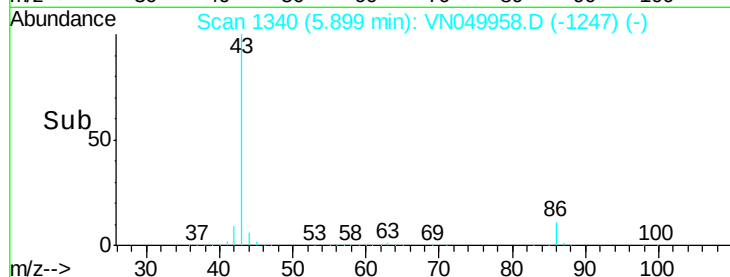
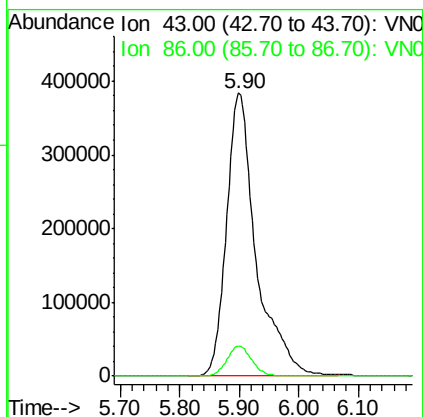
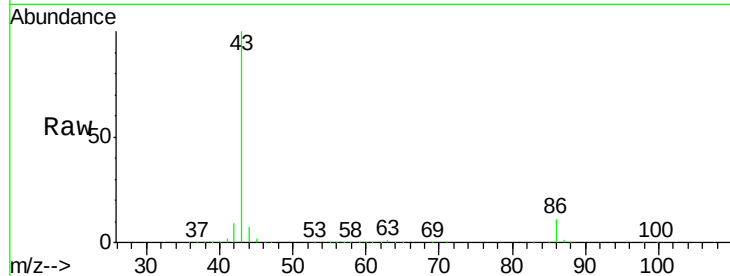




#23
 Vinyl Acetate
 Concen: 95.90 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

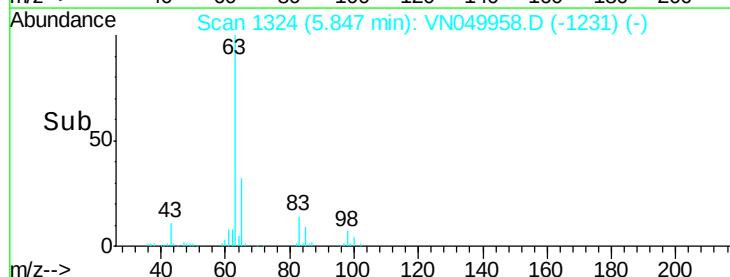
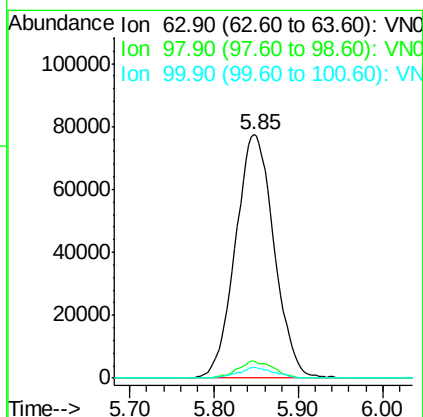
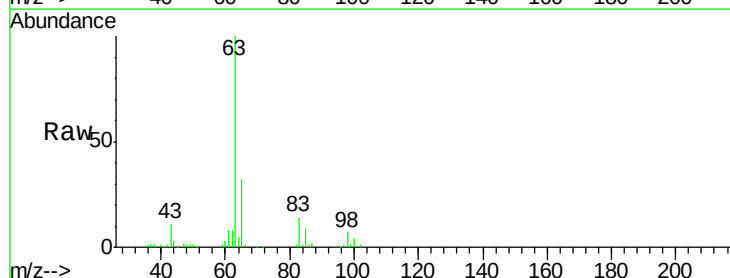
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

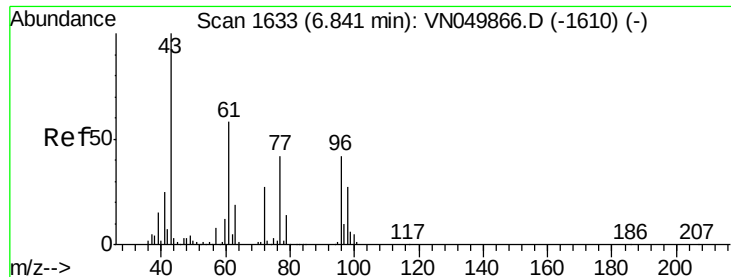
Tot Ion: 43 Resp: 1331842
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.40 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 63 Resp: 246434
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 94.46 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

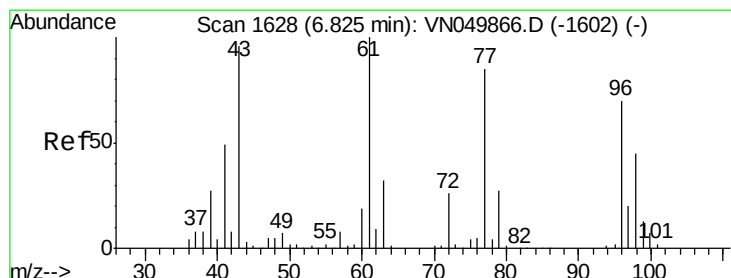
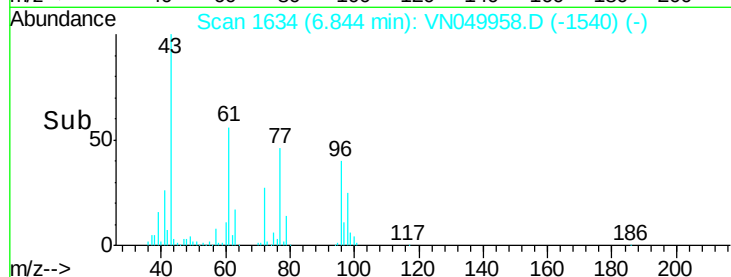
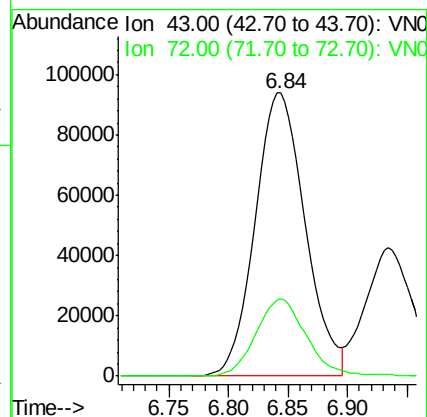
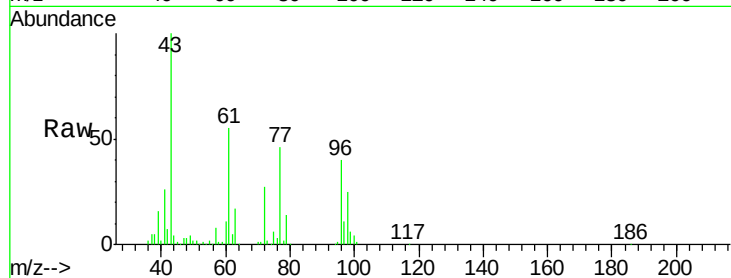
VN0720WBS01

Tot Ion: 43 Resp: 272630

Ion Ratio Lower Upper

43 100

72 27.4 22.1 33.1



#26

2,2-Dichloropropane

Concen: 20.96 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049958.D

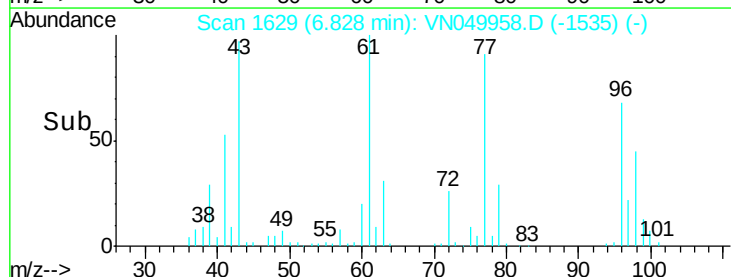
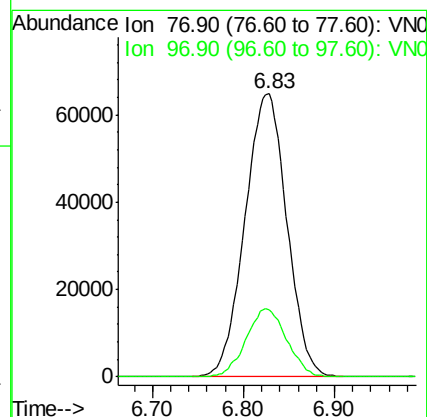
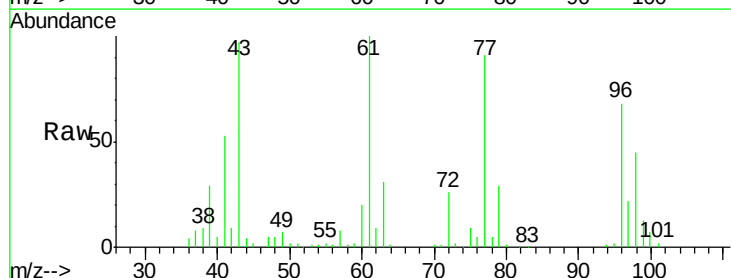
Acq: 20 Jul 2018 13:19

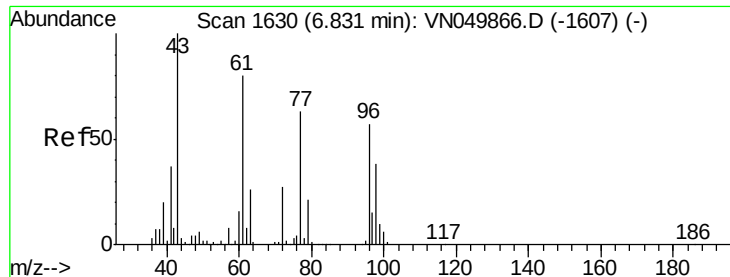
Tgt Ion: 77 Resp: 207199

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.5

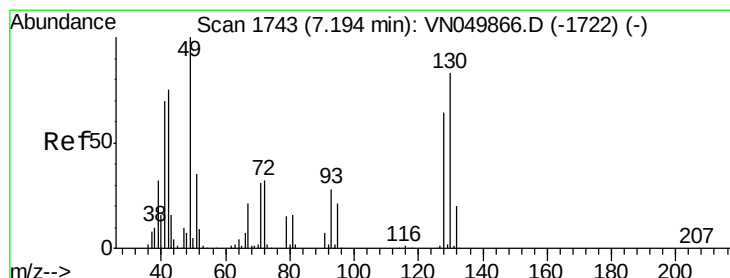
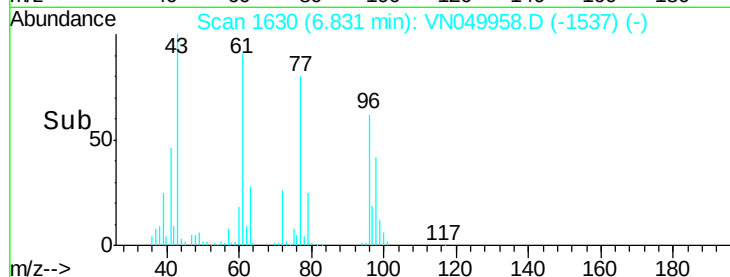
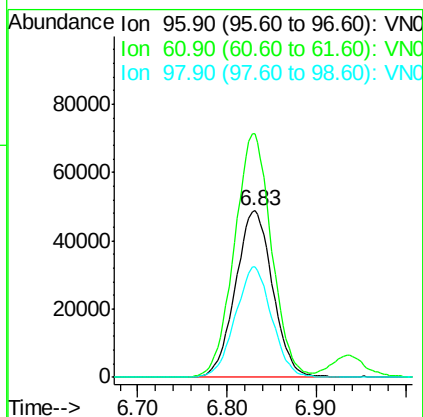
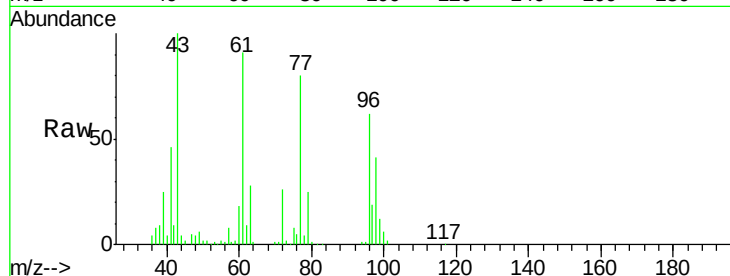




#27
 cis-1,2-Dichloroethene
 Concen: 19.69 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

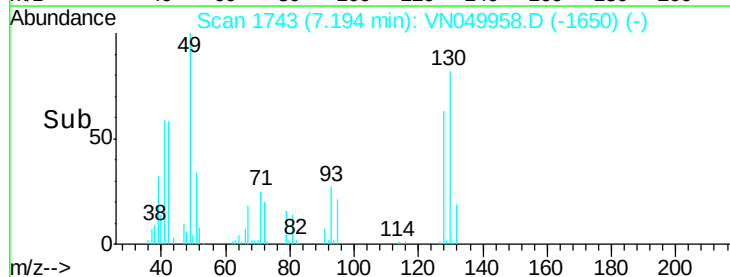
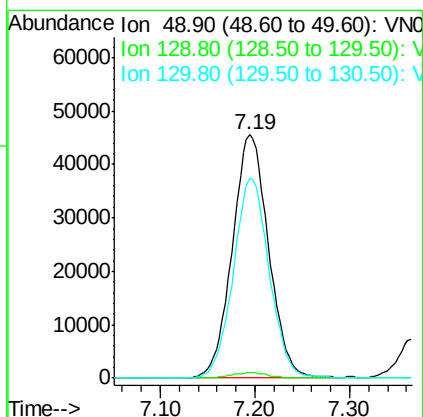
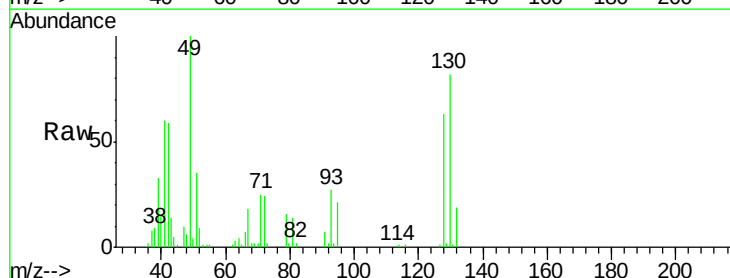
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

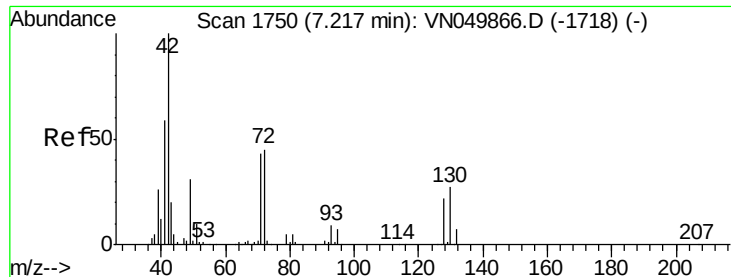
Tot Ion: 96 Resp: 141128
 Ion Ratio Lower Upper
 96 100
 61 146.1 0.0 289.0
 98 65.1 0.0 130.2



#28
 Bromochloromethane
 Concen: 21.23 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 49 Resp: 121834
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 81.4 65.5 98.3





#29

Tetrahydrofuran

Concen: 92.24 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

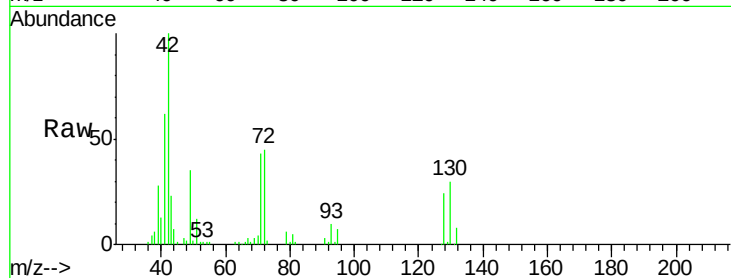
Tot Ion: 42 Resp: 167707

Ion Ratio Lower Upper

42 100

72 44.5 35.6 53.4

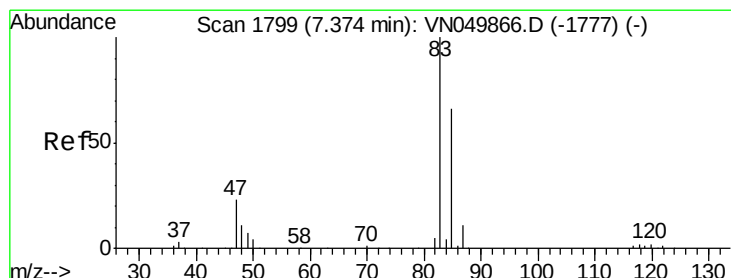
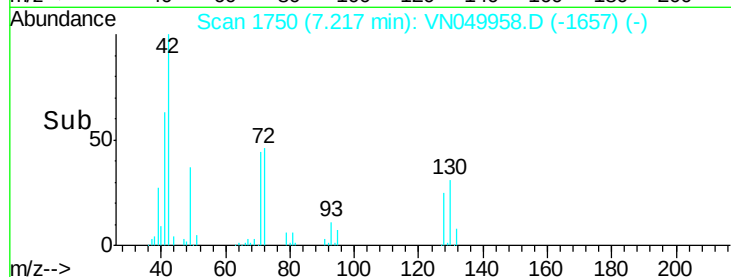
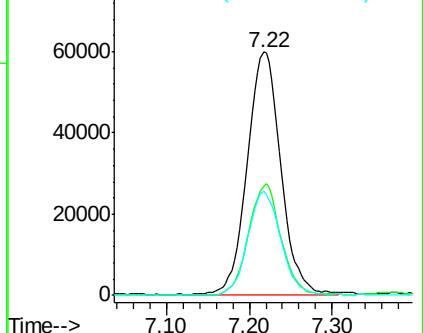
71 42.4 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.62 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN049958.D

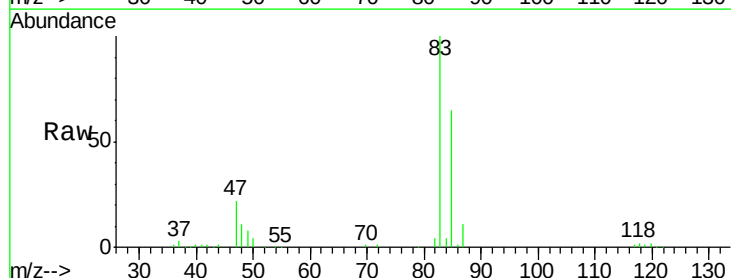
Acq: 20 Jul 2018 13:19

Tgt Ion: 83 Resp: 255969

Ion Ratio Lower Upper

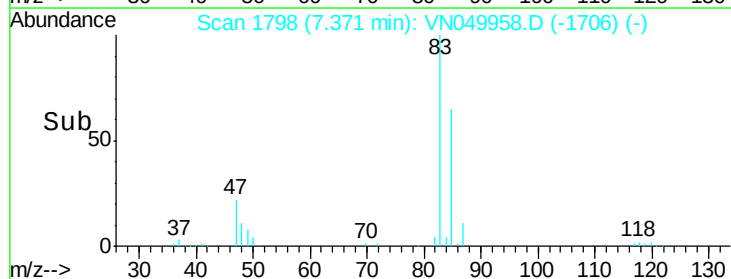
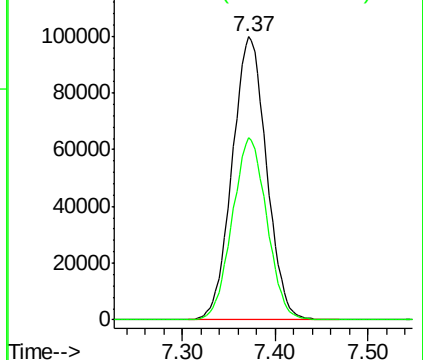
83 100

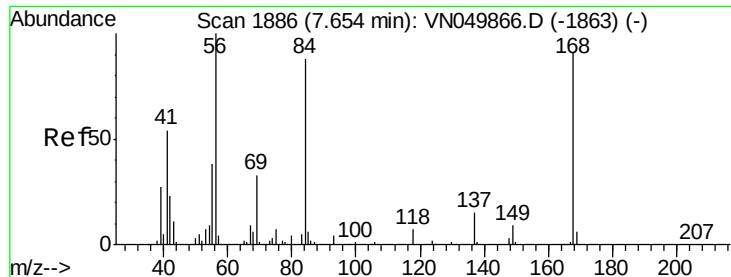
85 64.6 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.36 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

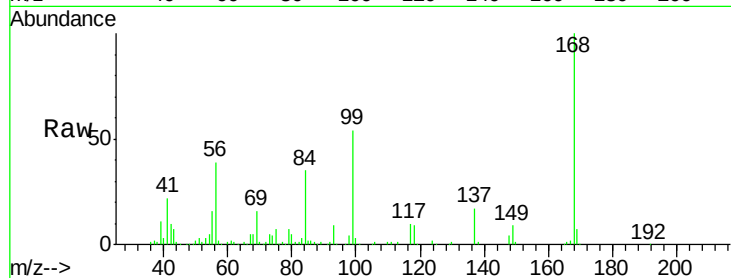
Tot Ion: 56 Resp: 189895

Ion Ratio Lower Upper

56 100

69 39.5 26.6 40.0

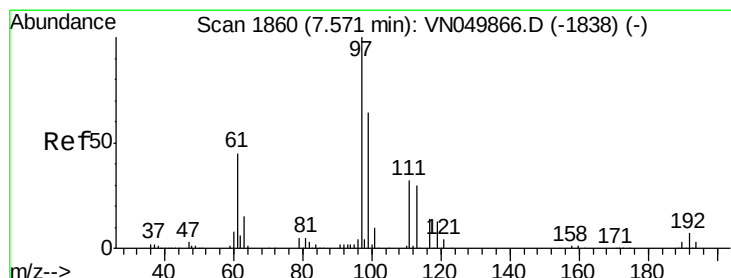
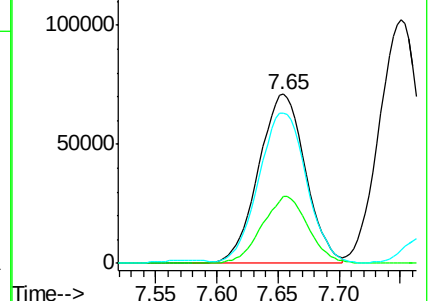
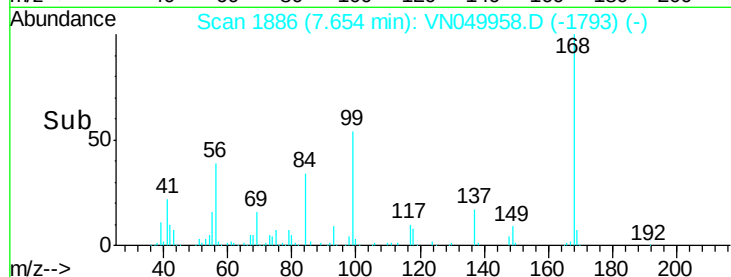
84 87.2 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.98 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

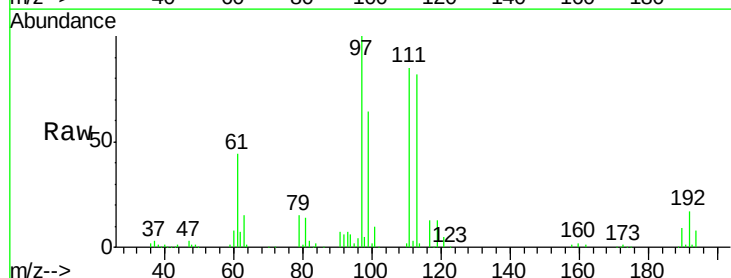
Tgt Ion: 97 Resp: 214025

Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

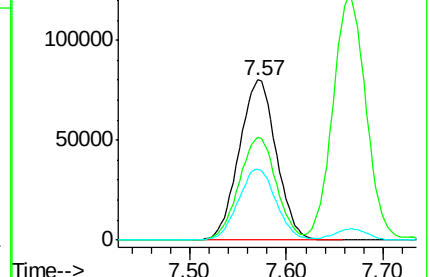
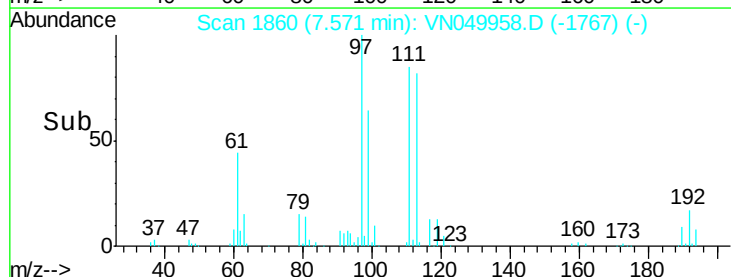
61 45.0 35.5 53.3

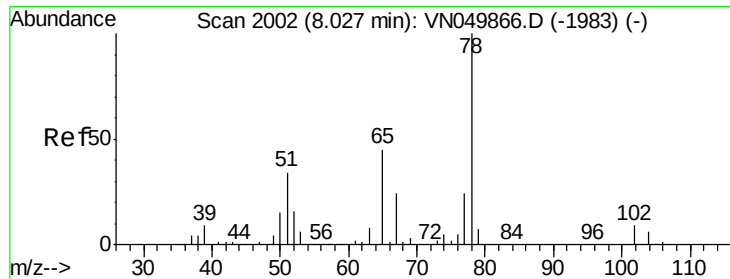


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

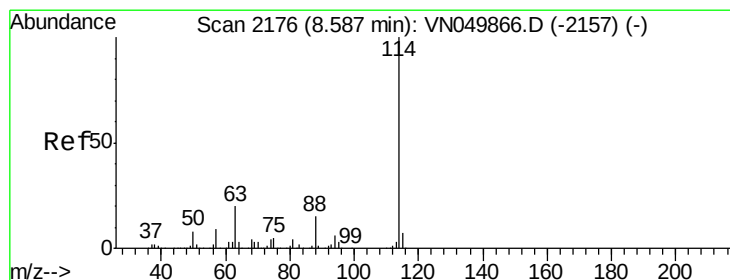
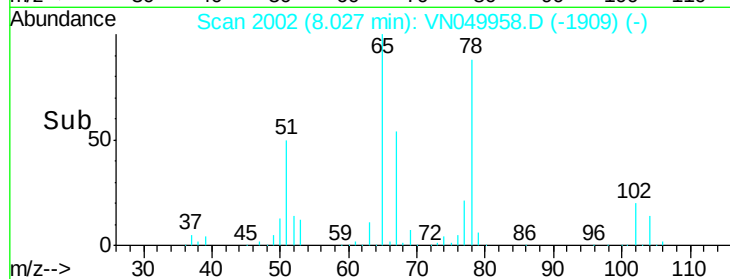
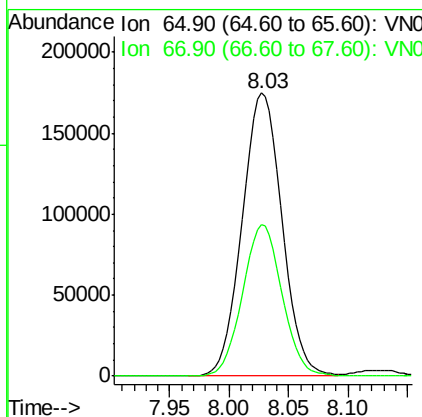
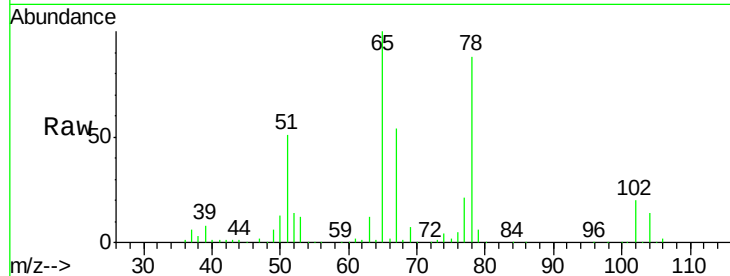




#33
 1,2-Dichloroethane-d4
 Concen: 52.15 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

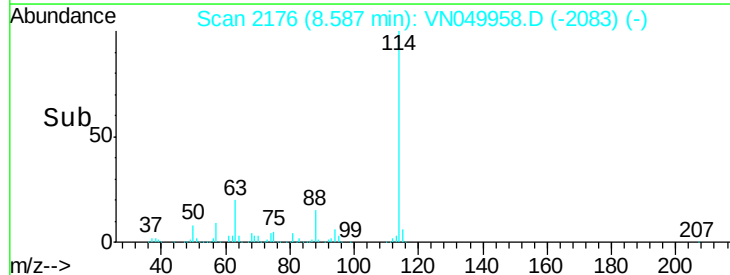
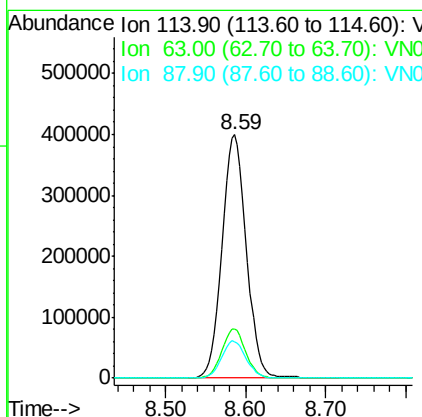
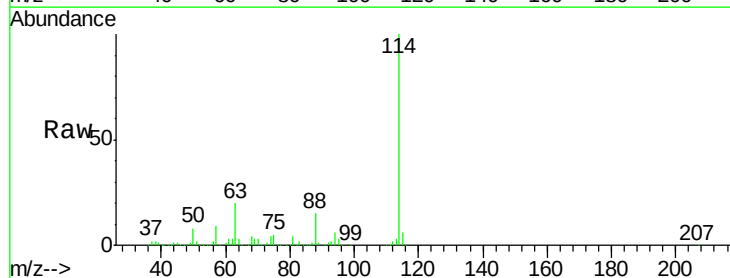
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

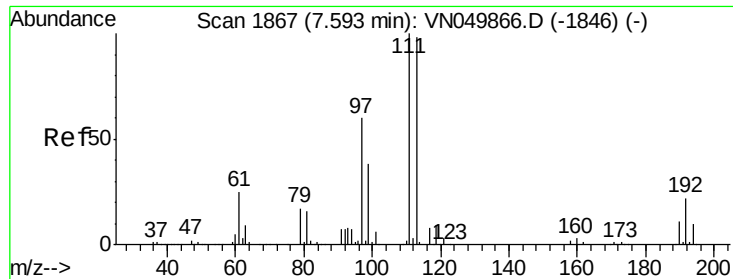
Tot Ion: 65 Resp: 406760
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 114 Resp: 834286
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.8
 88 15.1 0.0 30.6



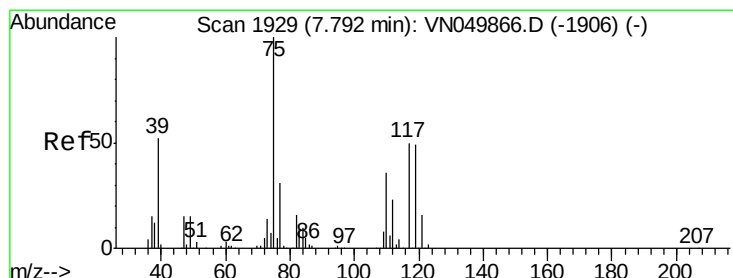
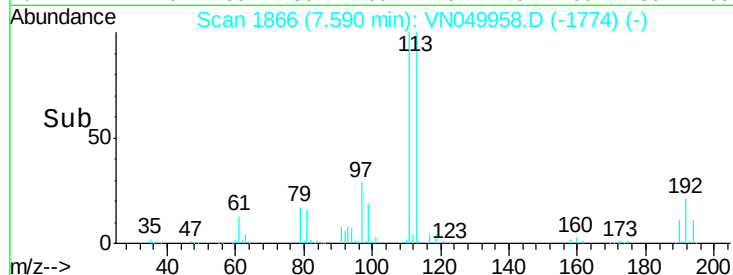
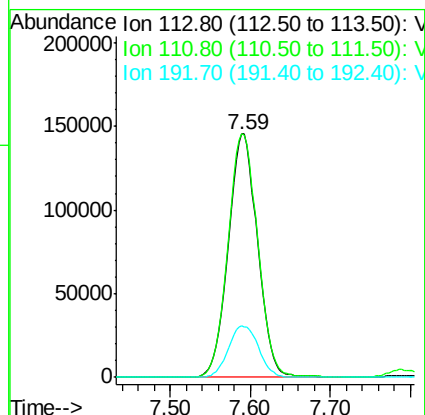
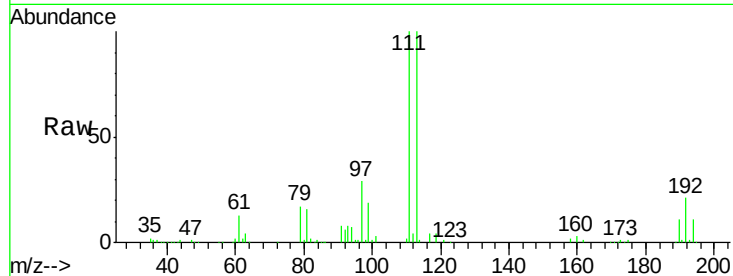


#35
Dibromofluoromethane
Concen: 51.73 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion:113 Resp: 362303

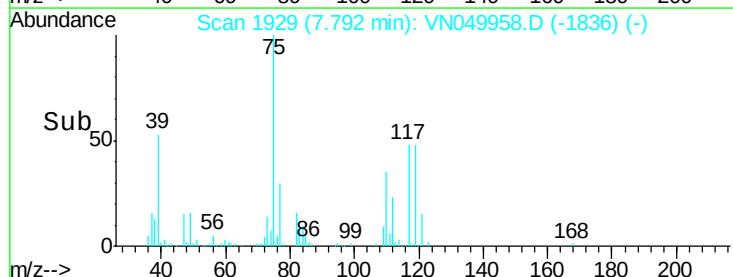
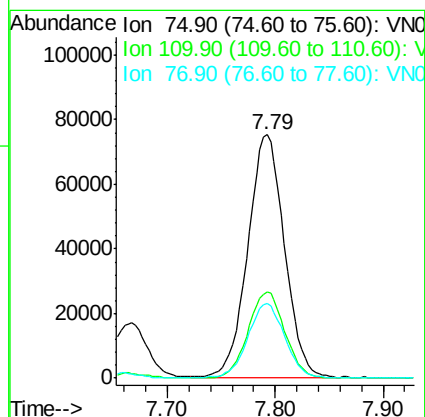
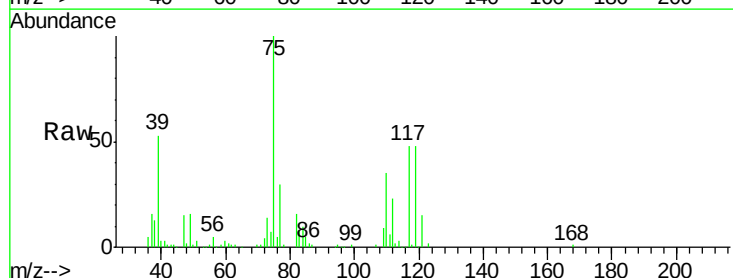
Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.8	122.8
192	21.8	17.8	26.6

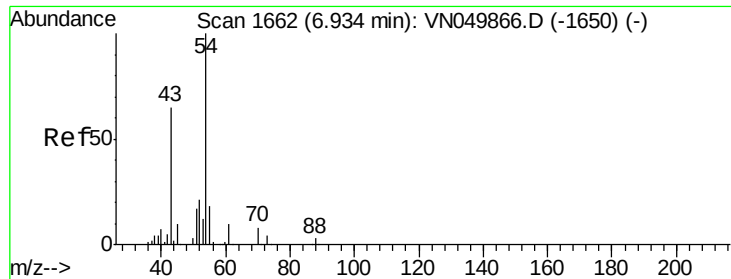


#36
1,1-Dichloropropene
Concen: 19.08 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 75 Resp: 177018

Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.4
77	31.2	24.9	37.3

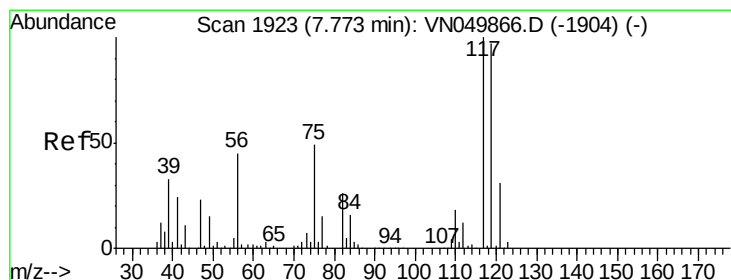
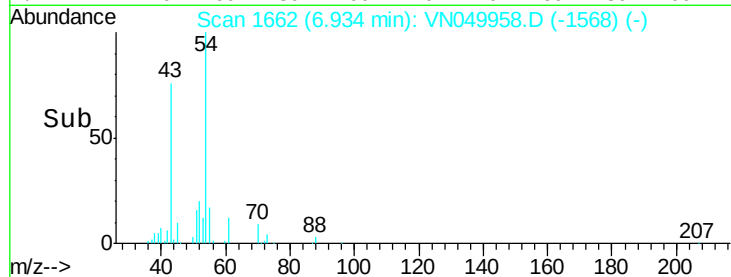
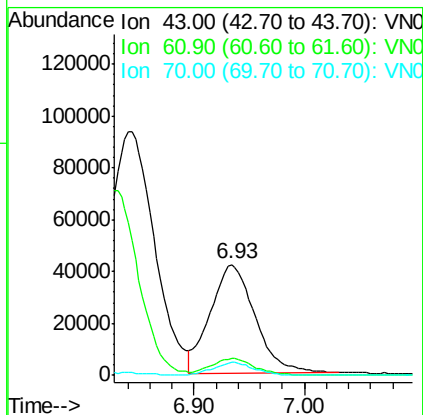
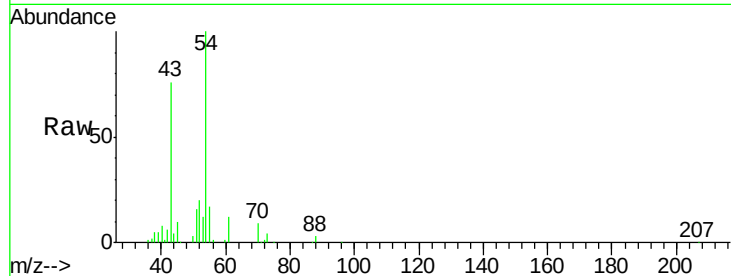




#37
Ethyl Acetate
Concen: 18.60 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

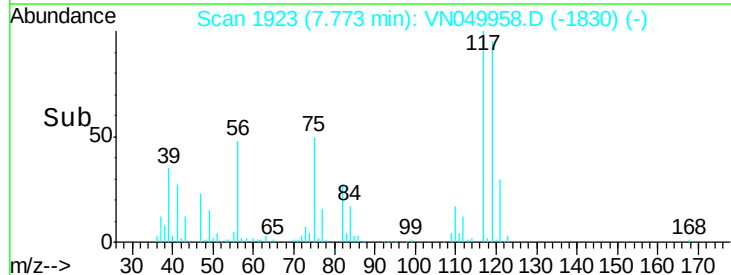
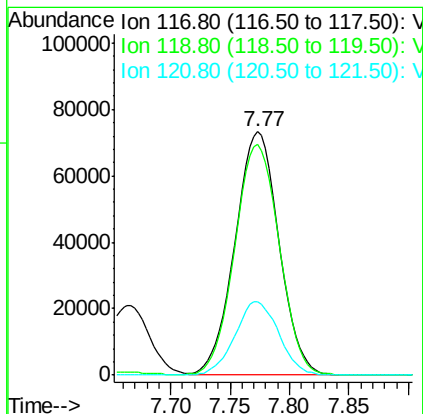
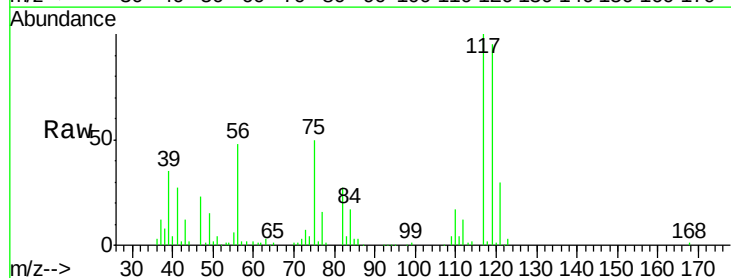
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

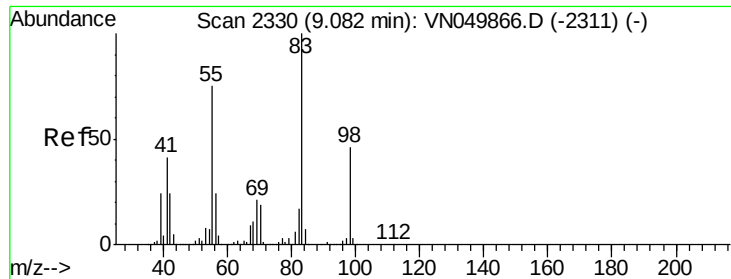
Tot Ion: 43 Resp: 118470
Ion Ratio Lower Upper
43 100
61 15.2 11.7 17.5
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.92 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 117 Resp: 187992
Ion Ratio Lower Upper
117 100
119 94.3 77.2 115.8
121 30.1 25.0 37.6

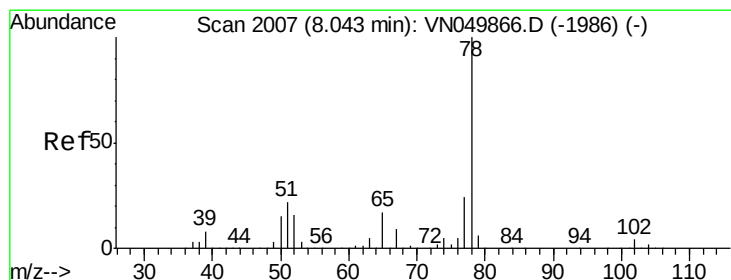
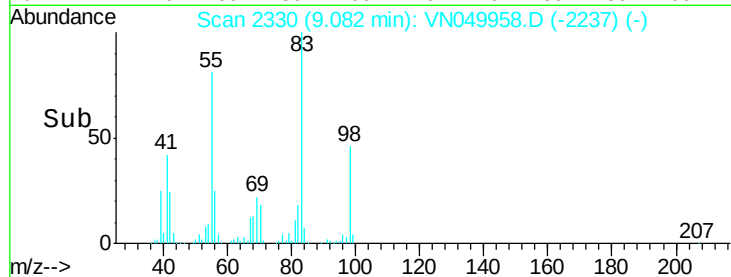
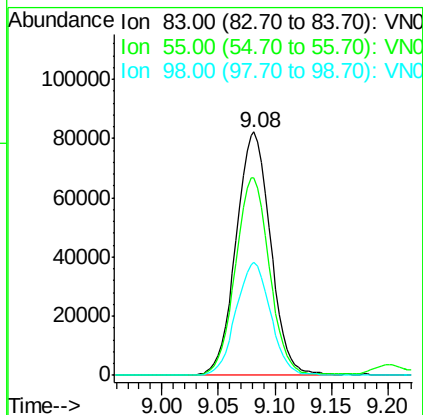
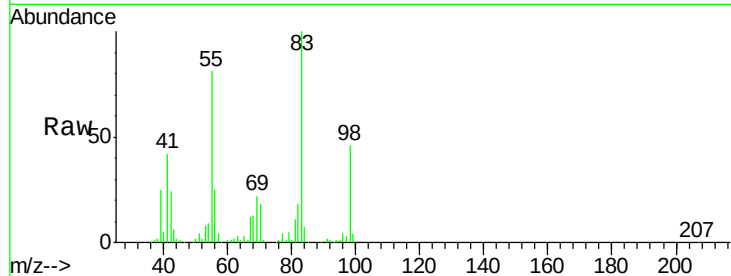




#39
Methylvlcyclohexane
Concen: 18.23 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

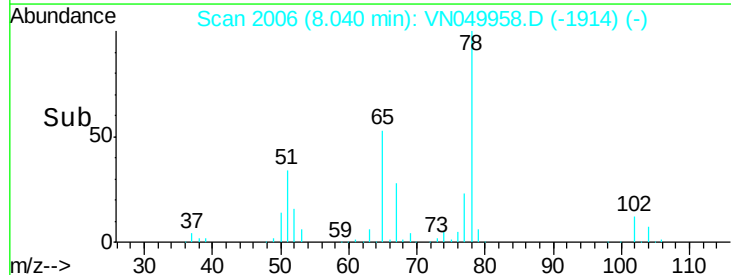
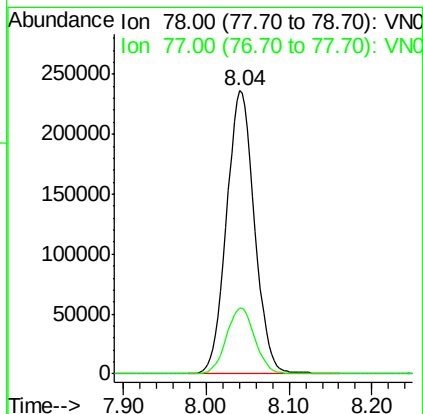
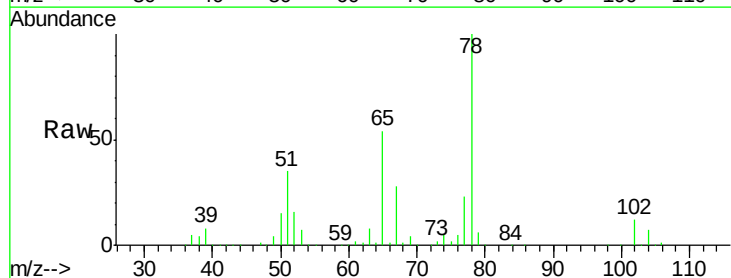
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

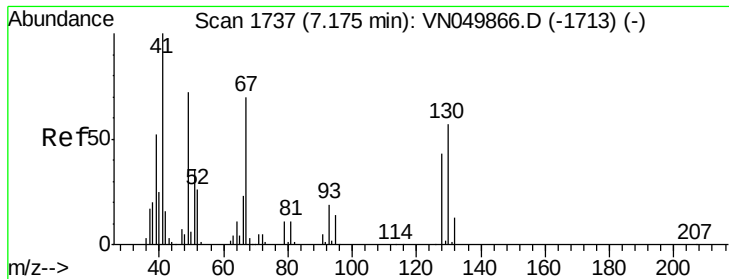
Tot Ion: 83 Resp: 174688
Ion Ratio Lower Upper
83 100
55 81.1 59.7 89.5
98 46.4 36.5 54.7



#40
Benzene
Concen: 19.61 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 78 Resp: 554473
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.4

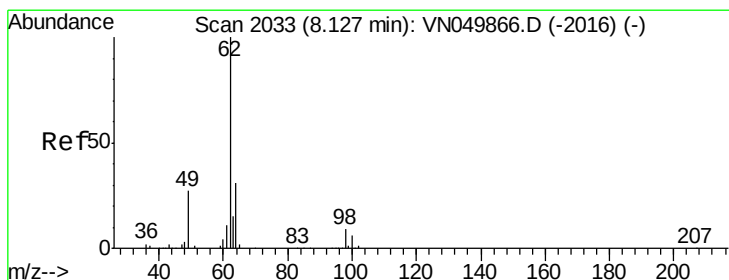
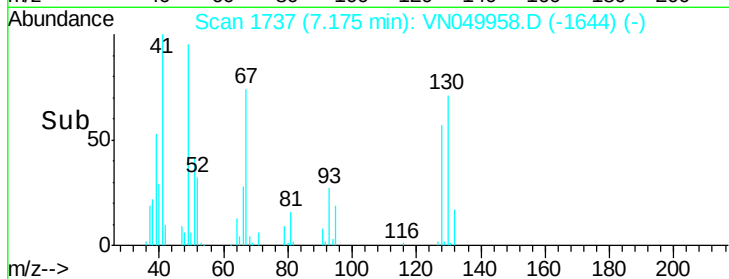
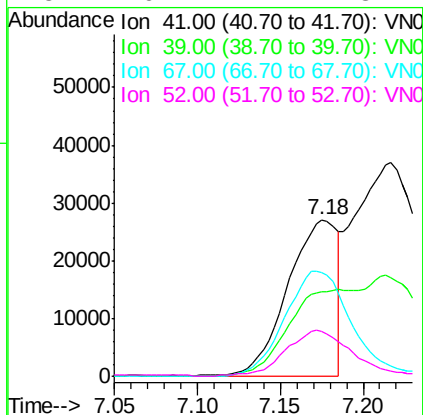
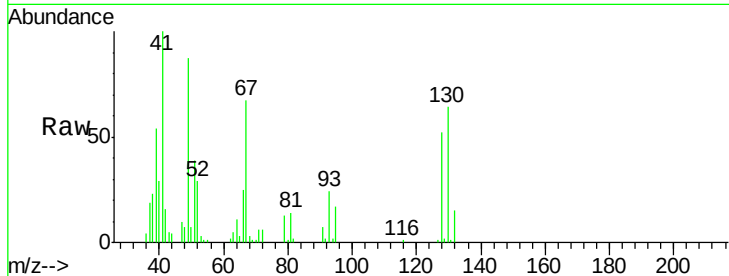




#41
Methacrylonitrile
Concen: 17.66 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

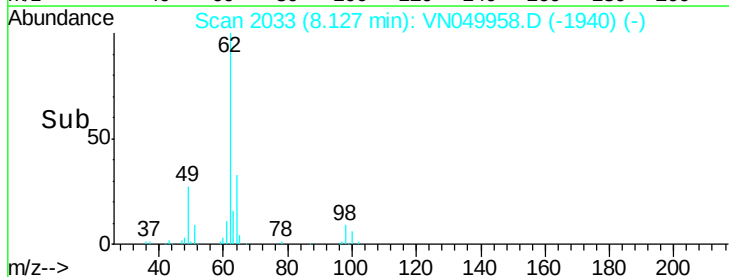
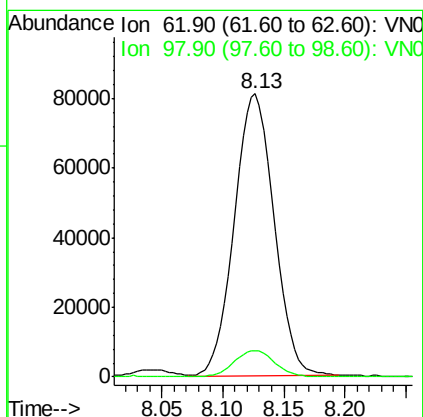
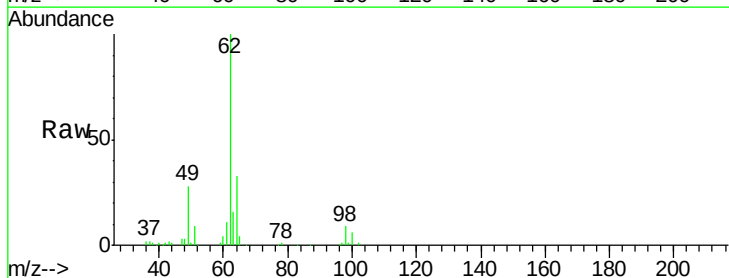
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

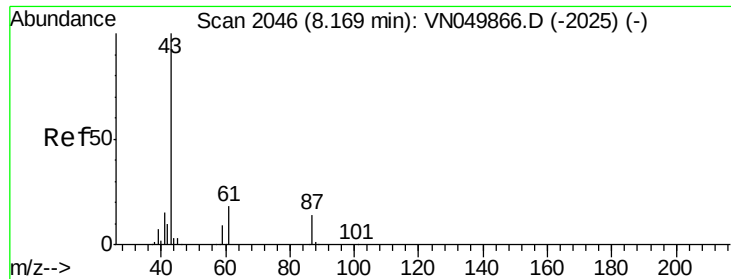
Tot Ion: 41 Resp: 56380
Ion Ratio Lower Upper
41 100
39 66.2 45.4 68.2
67 90.4 65.4 98.0
52 40.2 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 19.54 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 62 Resp: 183022
Ion Ratio Lower Upper
62 100
98 9.5 0.0 19.0





#43

Isopropyl Acetate

Concen: 20.70 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

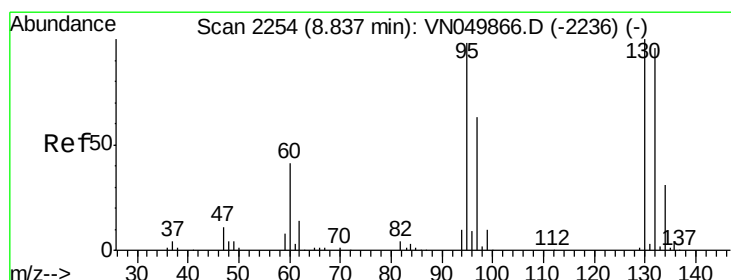
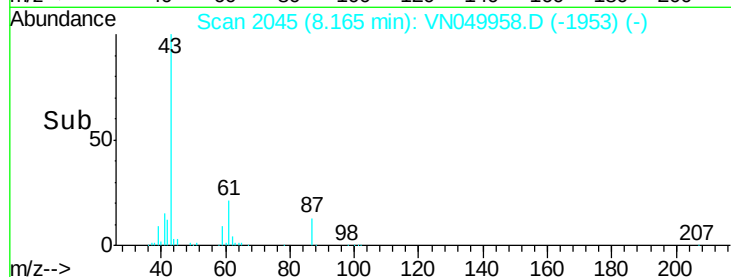
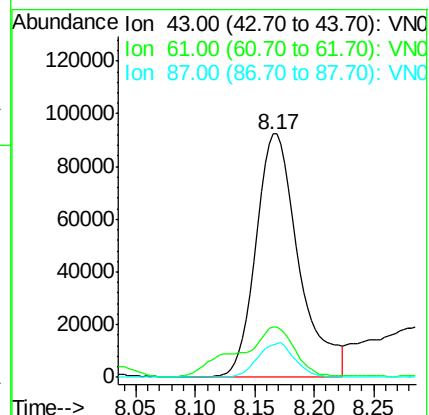
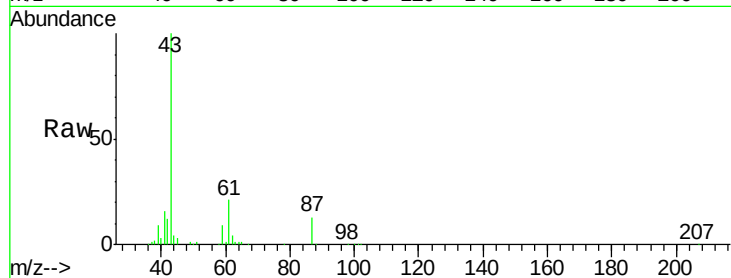
Tot Ion: 43 Resp: 230370

Ion Ratio Lower Upper

43 100

61 26.8 14.9 22.3#

87 12.3 10.0 15.0



#44

Trichloroethene

Concen: 19.38 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049958.D

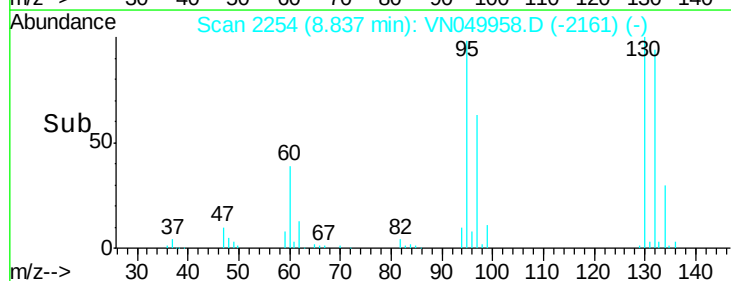
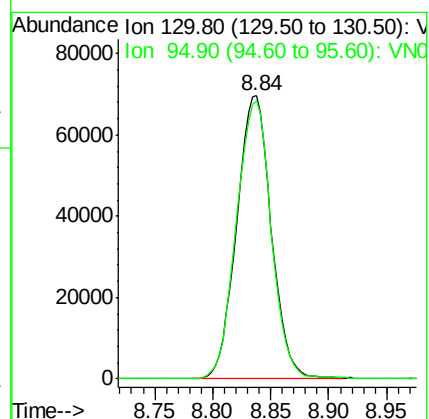
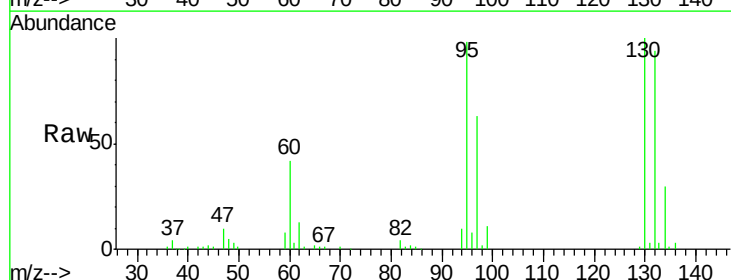
Acq: 20 Jul 2018 13:19

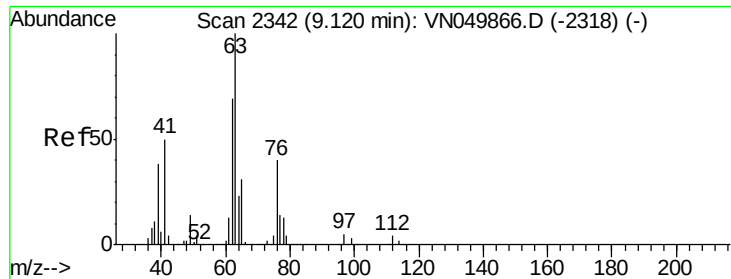
Tgt Ion:130 Resp: 143704

Ion Ratio Lower Upper

130 100

95 98.2 0.0 192.8

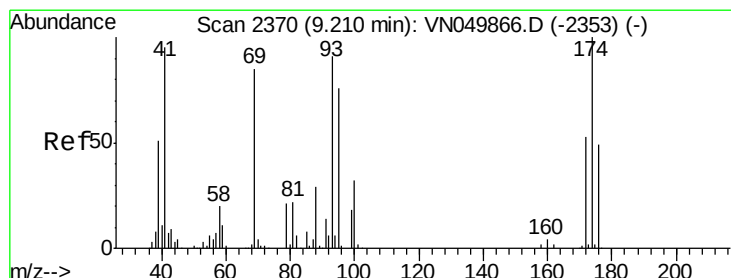
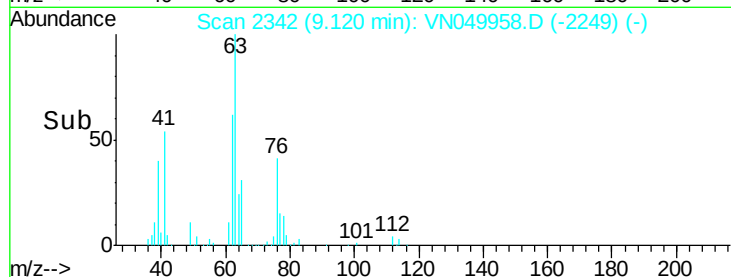
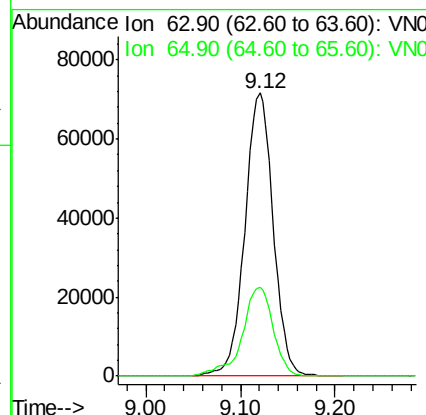
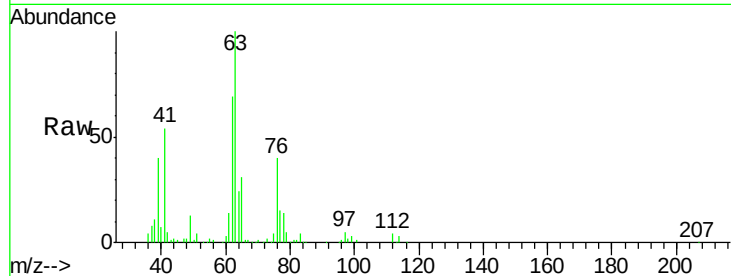




#45
 1,2-Dichloropropane
 Concen: 19.52 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

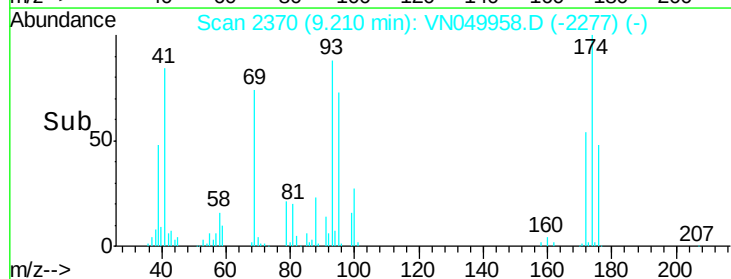
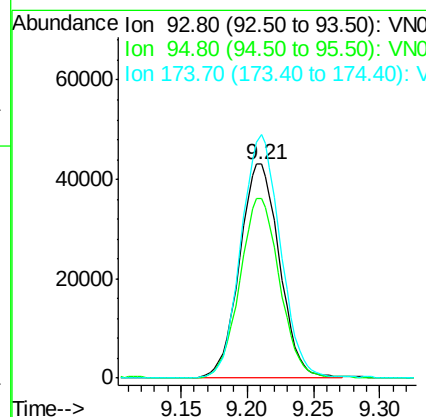
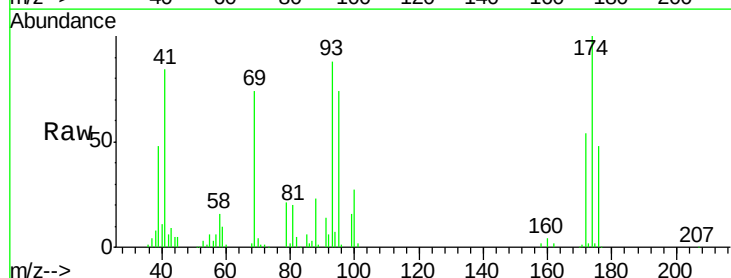
Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS01

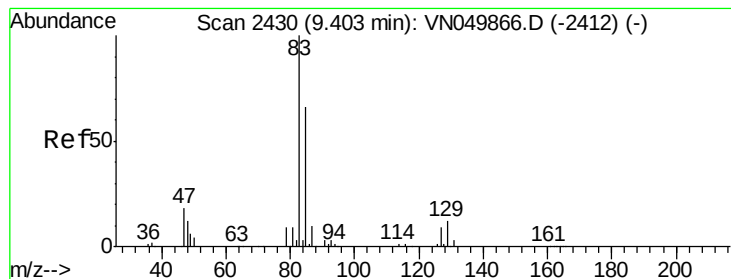
Tot Ion: 63 Resp: 148864
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1



#46
 Dibromomethane
 Concen: 19.03 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 93 Resp: 90020
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.9 101.9
 174 112.1 89.4 134.0





#47

Bromodichloromethane

Concen: 19.65 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

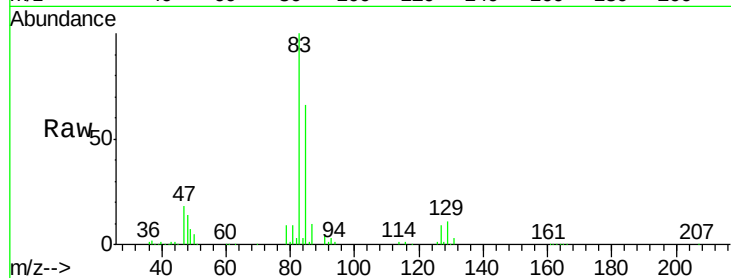
Tot Ion: 83 Resp: 192187

Ion Ratio Lower Upper

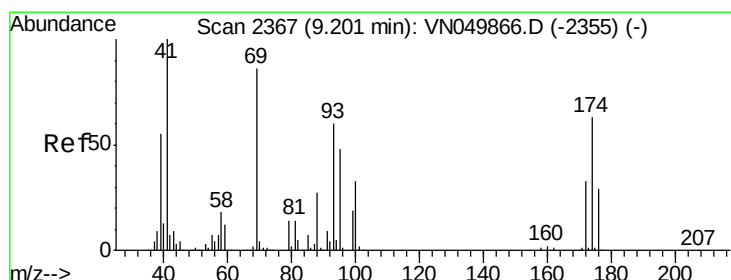
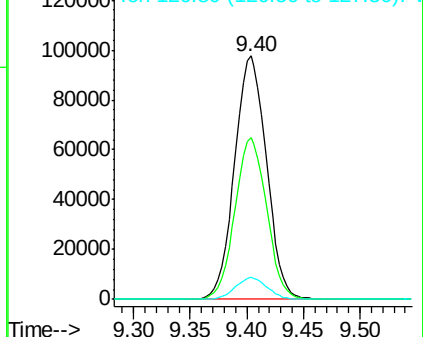
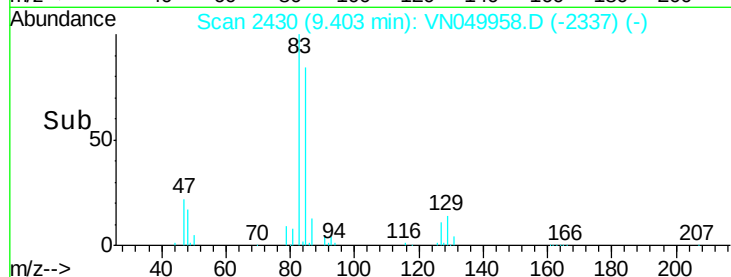
83 100

85 66.3 50.5 75.7

127 9.0 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049958.D (-2337) (-)



#48

Methyl methacrylate

Concen: 18.40 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

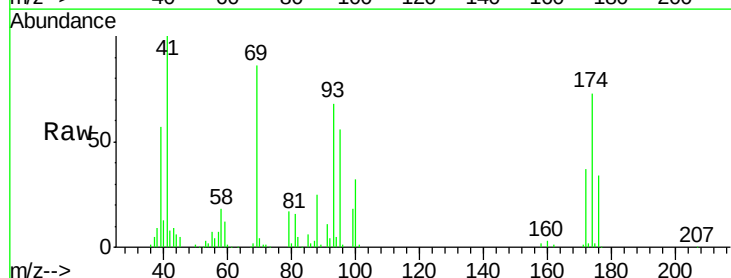
Tgt Ion: 41 Resp: 102724

Ion Ratio Lower Upper

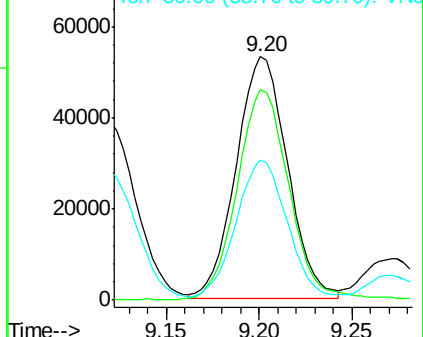
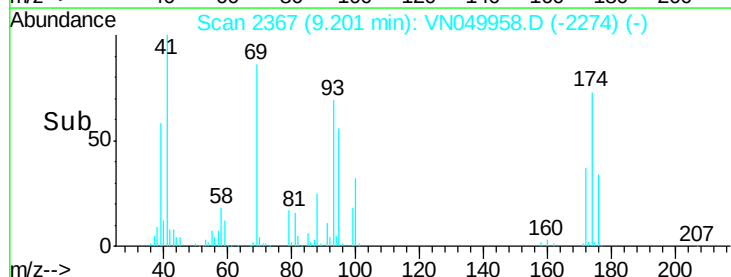
41 100

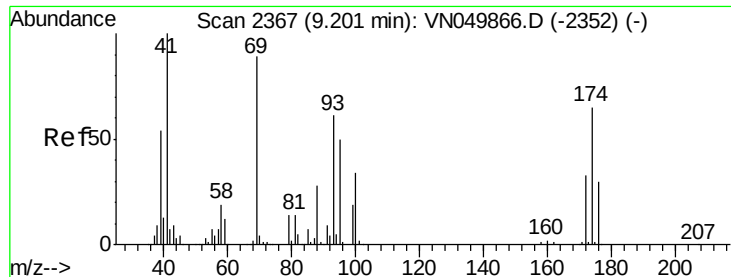
69 88.6 71.5 107.3

39 57.8 44.7 67.1



Abundance Ion 41.00 (40.70 to 41.70): VN049958.D (-2274) (-)





#49

1,4-Dioxane

Concen: 365.95 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

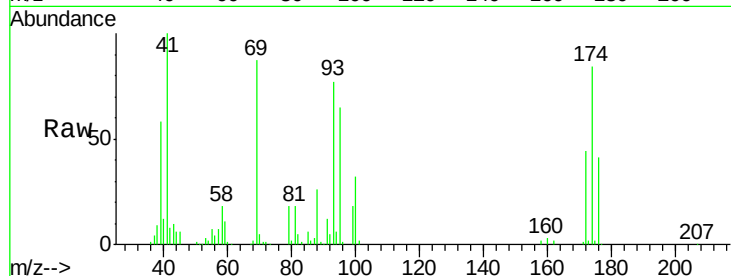
Tot Ion: 88 Resp: 28980

Ion Ratio Lower Upper

88 100

43 33.2 25.1 37.7

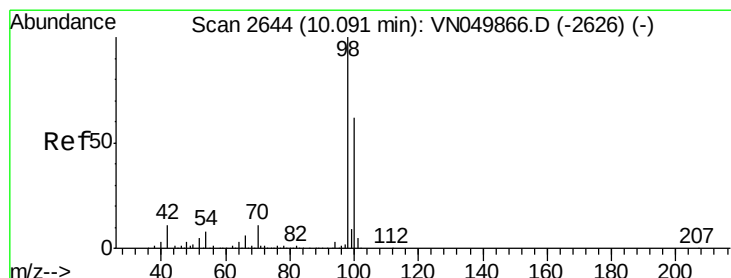
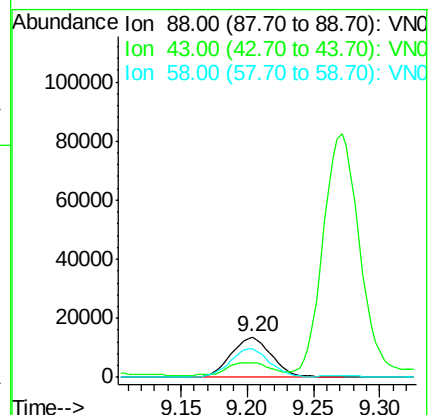
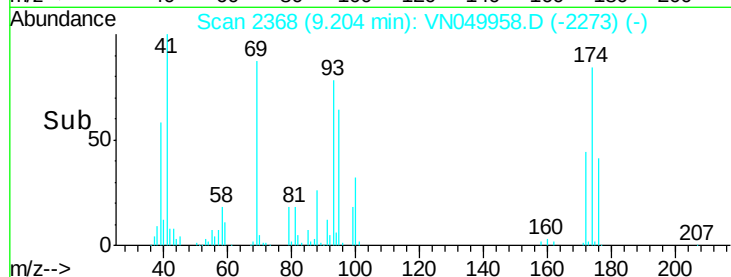
58 69.5 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.01 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049958.D

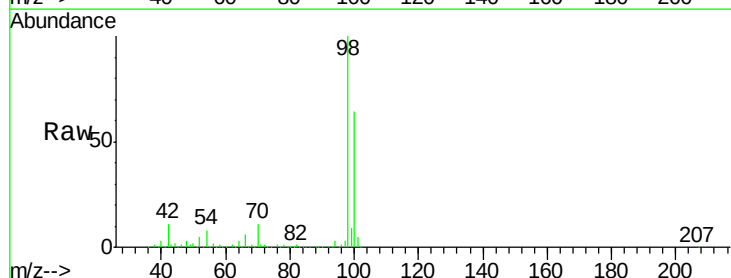
Acq: 20 Jul 2018 13:19

Tgt Ion: 98 Resp: 1327161

Ion Ratio Lower Upper

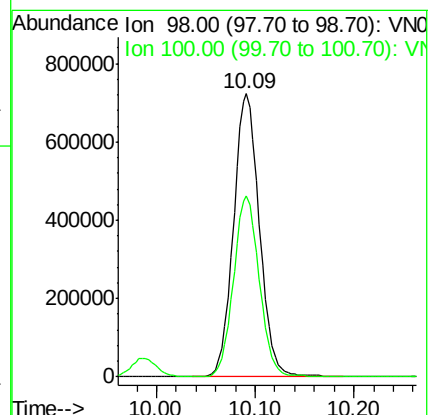
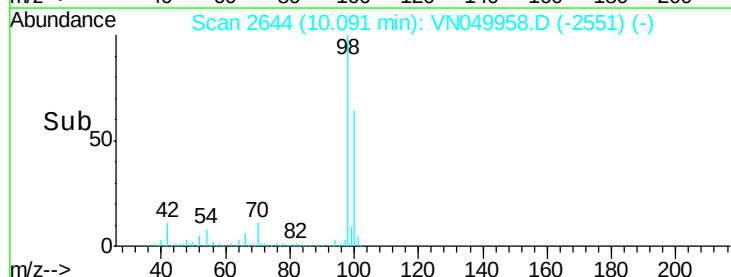
98 100

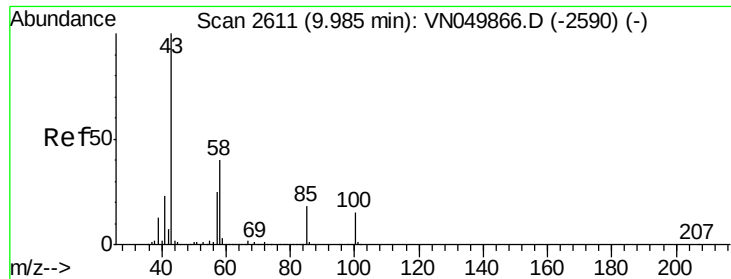
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

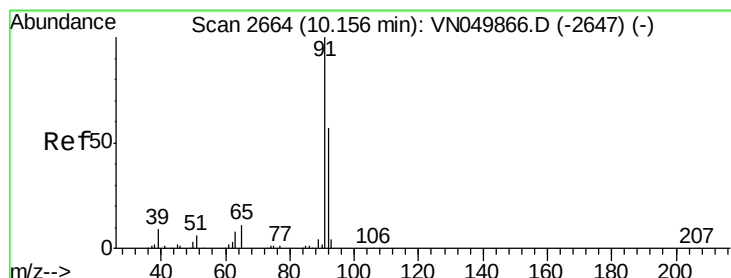
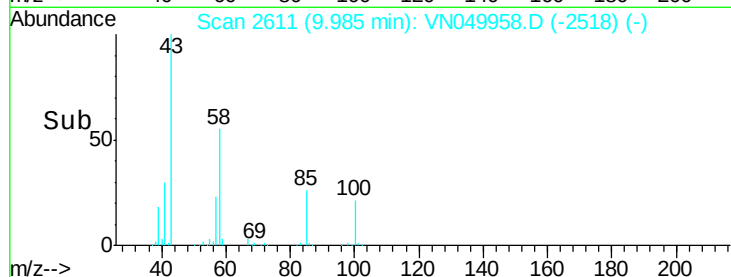
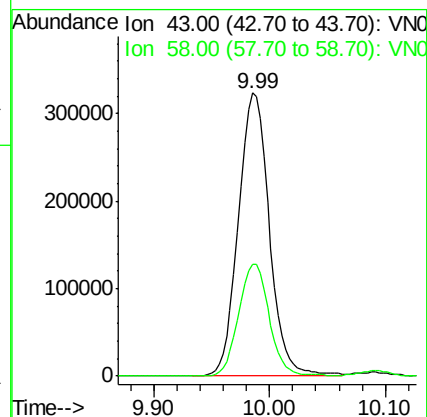
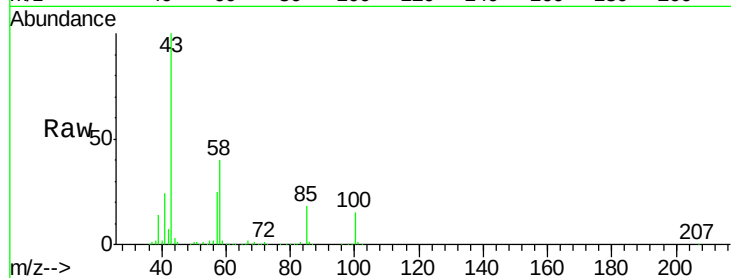




#51
 4-Methyl-2-Pentanone
 Concen: 95.94 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

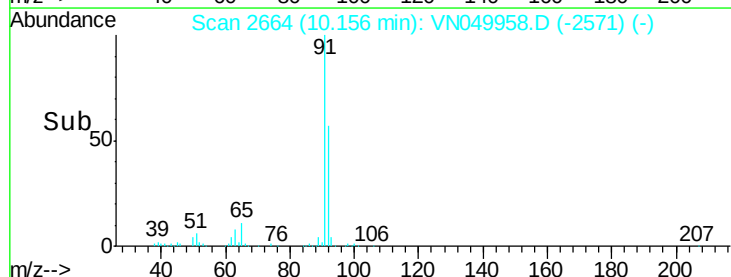
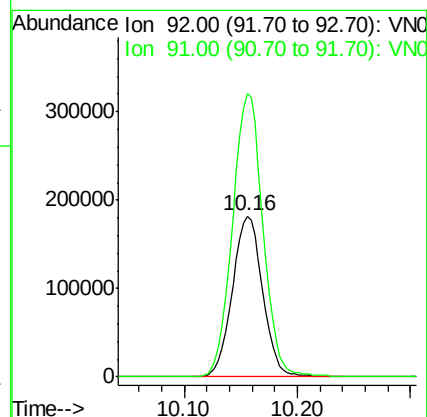
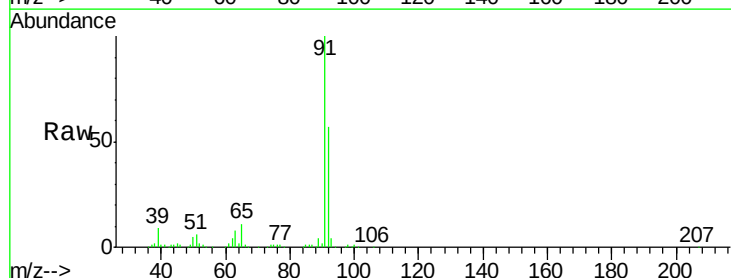
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

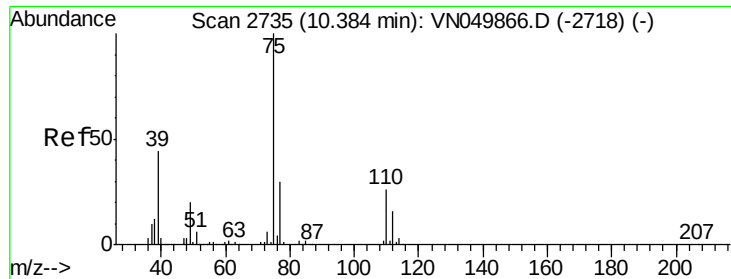
Tot Ion: 43 Resp: 596842
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.8 47.8



#52
 Toluene
 Concen: 20.06 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 92 Resp: 338359
 Ion Ratio Lower Upper
 92 100
 91 177.5 140.1 210.1

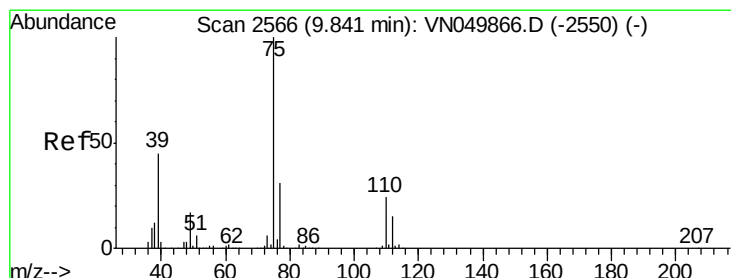
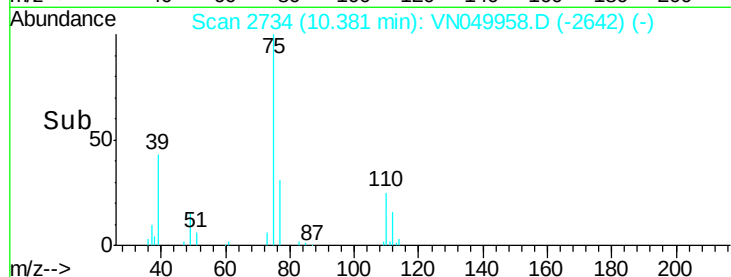
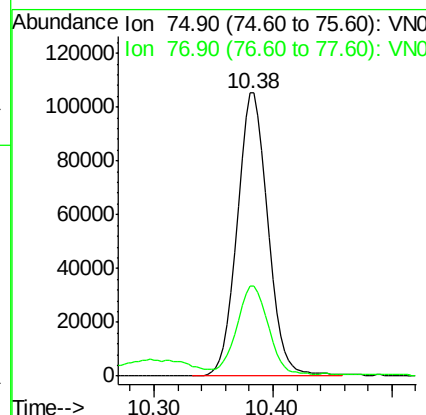
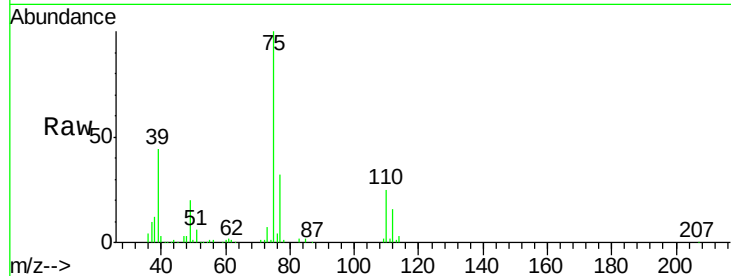




#53
t-1,3-Dichloropropene
Concen: 19.51 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

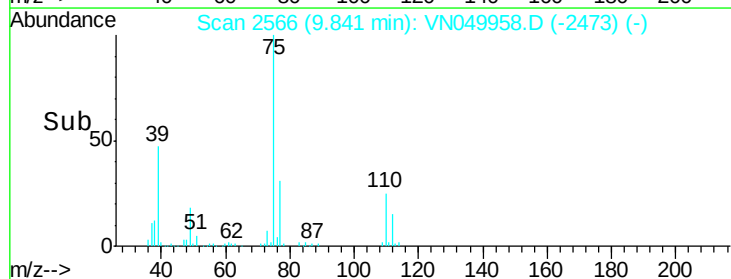
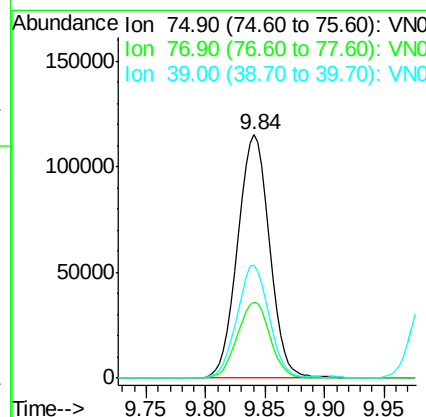
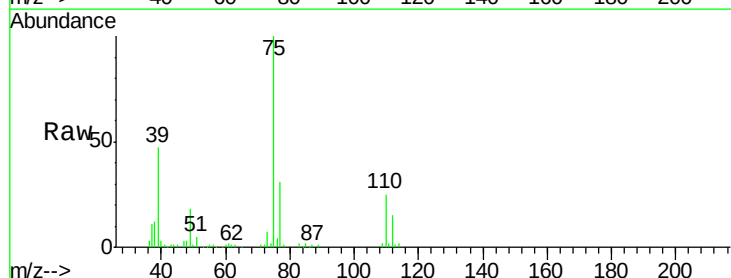
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

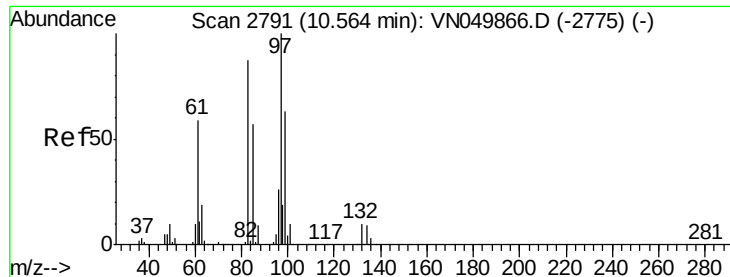
Tot Ion: 75 Resp: 188710
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 20.12 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 75 Resp: 215057
Ion Ratio Lower Upper
75 100
77 31.4 25.3 37.9
39 46.5 35.5 53.3

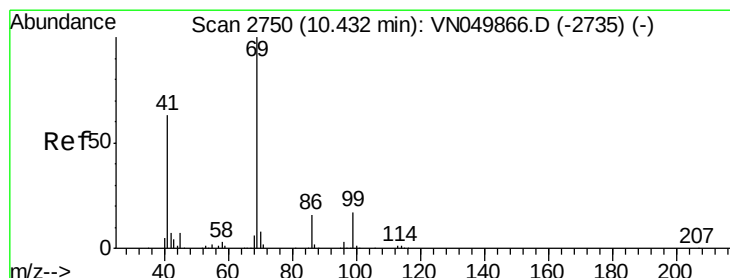
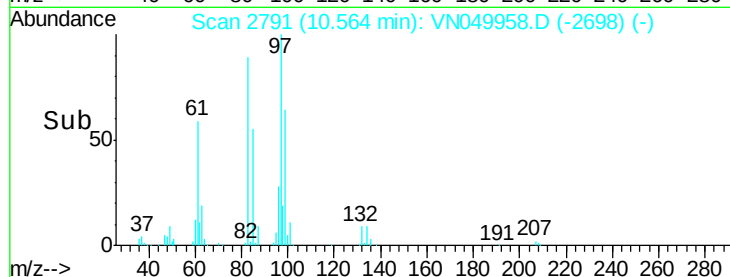
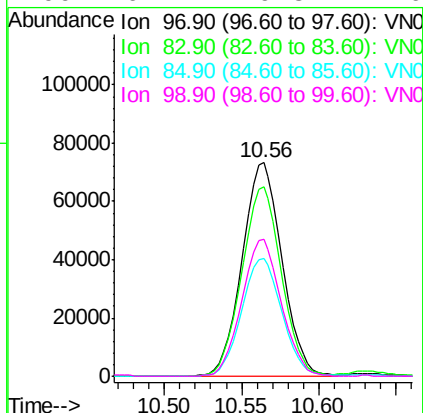
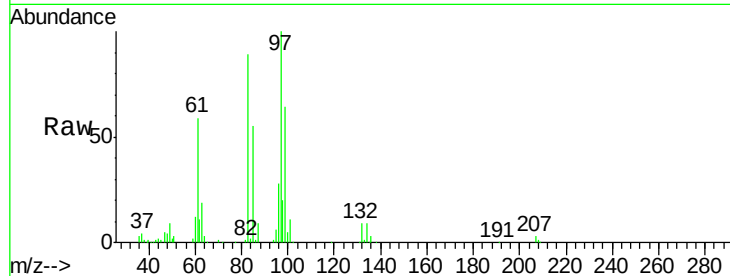




#55
 1,1,2-Trichloroethane
 Concen: 18.88 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

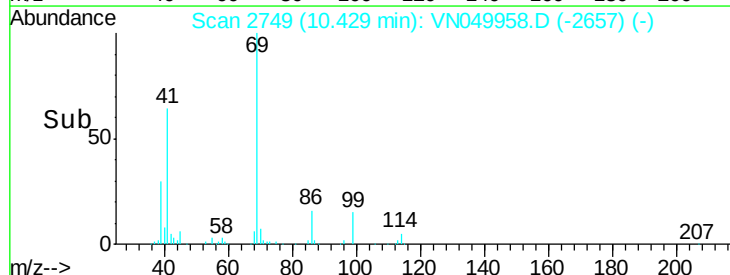
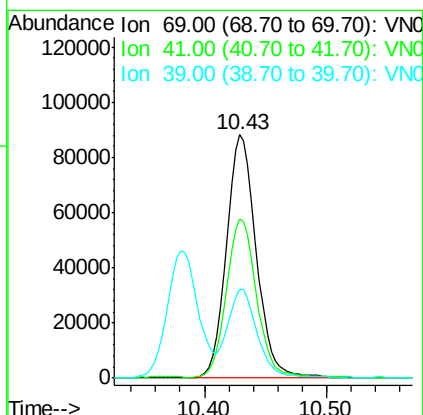
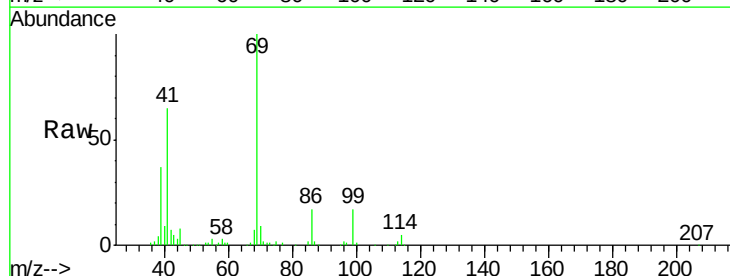
Instrument :
 MSVOA_N
 ClientSampled :
 VN0720WBS01

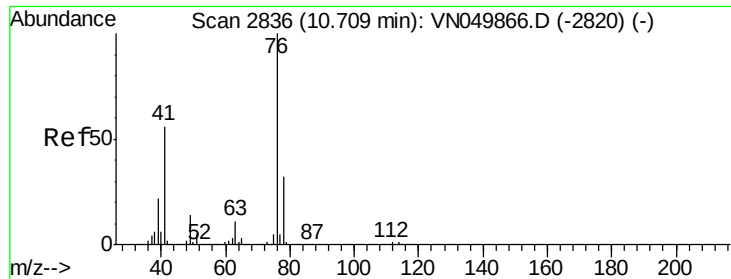
Tot Ion: 97 Resp: 131532
 Ion Ratio Lower Upper
 97 100
 83 88.9 69.0 103.6
 85 55.4 44.9 67.3
 99 64.2 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 17.60 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 69 Resp: 151024
 Ion Ratio Lower Upper
 69 100
 41 66.0 51.6 77.4
 39 35.7 25.8 38.8





#57

1,3-Dichloropropane

Concen: 19.54 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

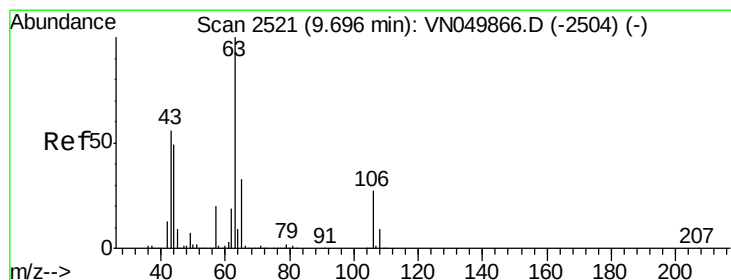
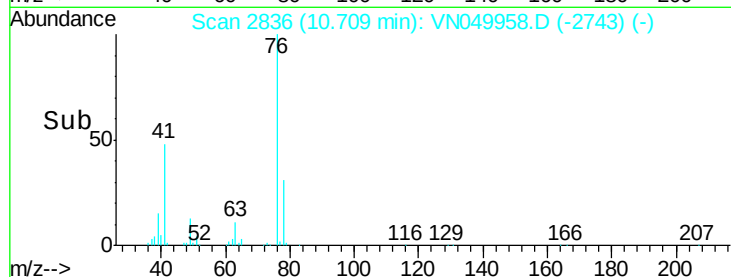
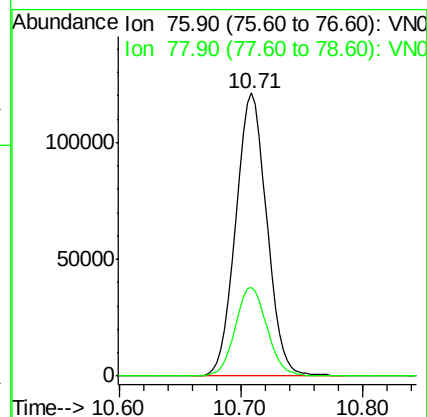
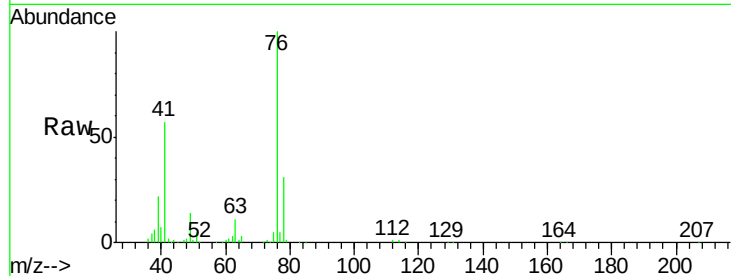
VN0720WBS01

Tot Ion: 76 Resp: 214411

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 93.29 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049958.D

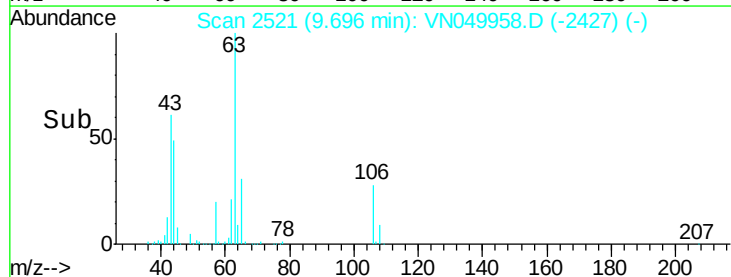
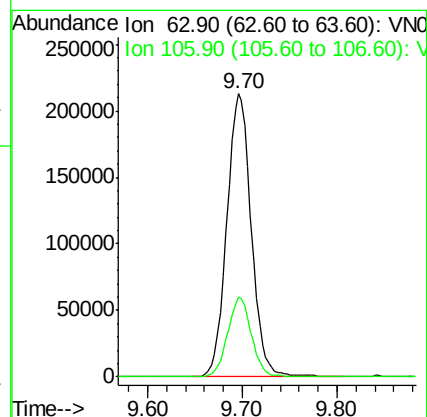
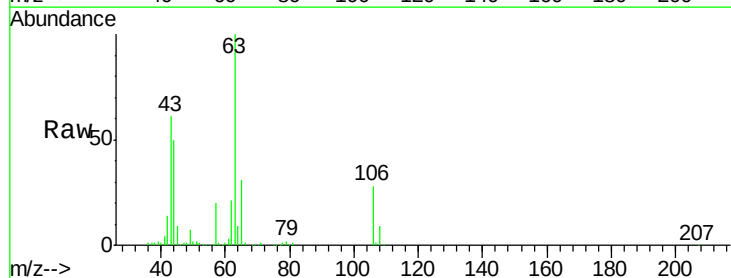
Acq: 20 Jul 2018 13:19

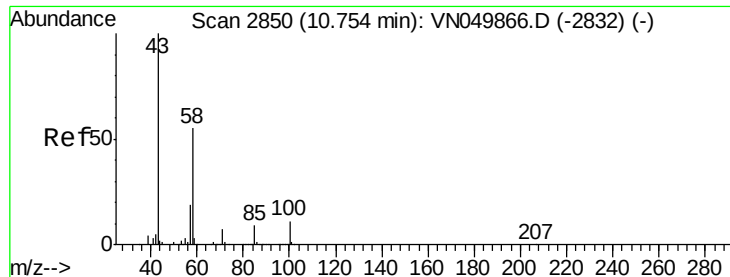
Tgt Ion: 63 Resp: 382311

Ion Ratio Lower Upper

63 100

106 27.4 21.8 32.8

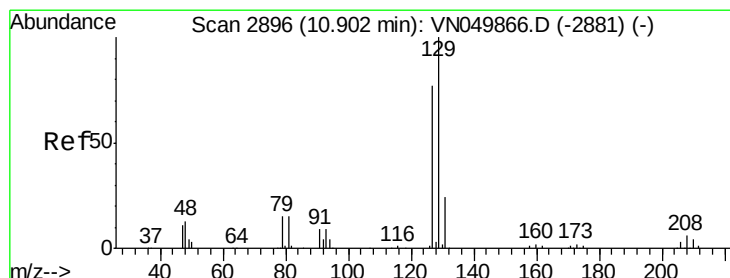
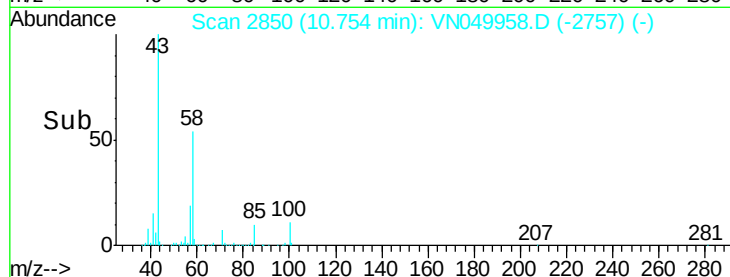
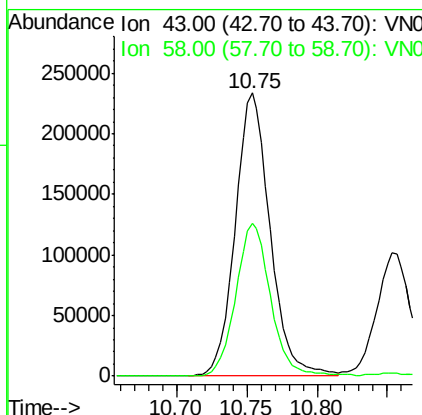
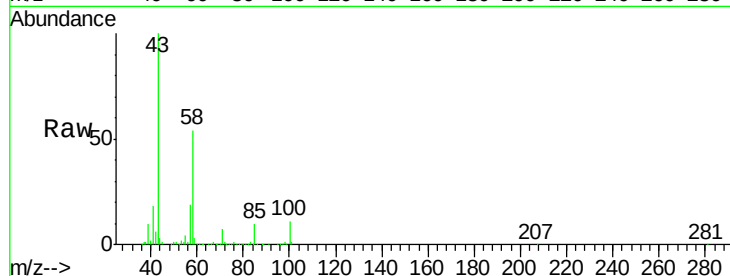




#59
2-Hexanone
Concen: 95.85 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

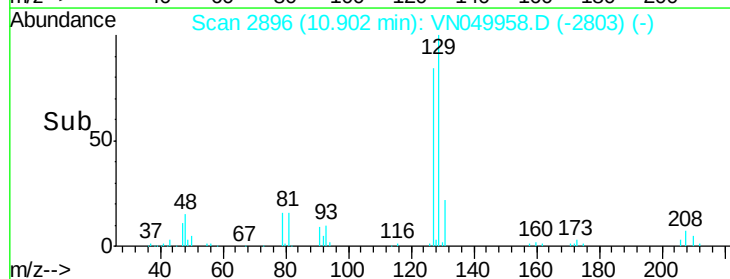
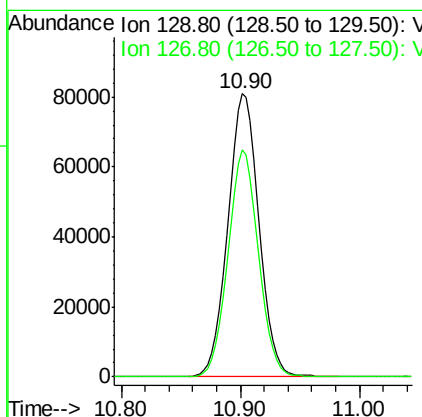
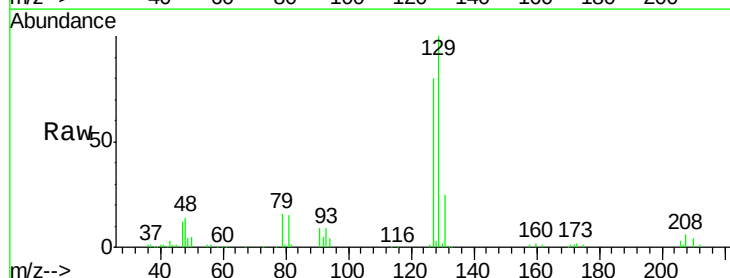
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

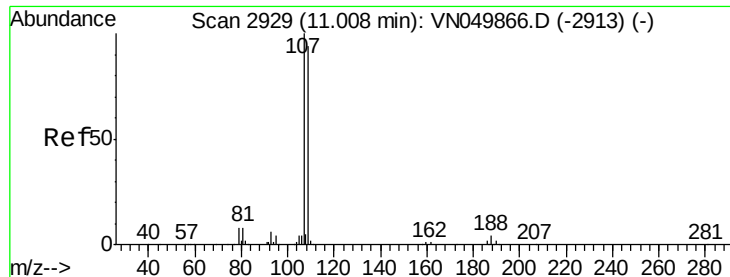
Tot Ion: 43 Resp: 400501
Ion Ratio Lower Upper
43 100
58 54.4 27.8 83.4



#60
Dibromochloromethane
Concen: 19.16 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 129 Resp: 146418
Ion Ratio Lower Upper
129 100
127 78.3 38.3 114.9

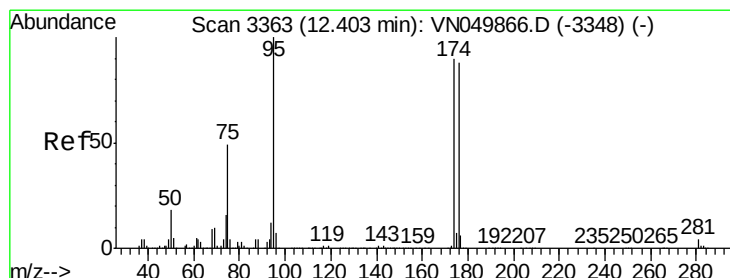
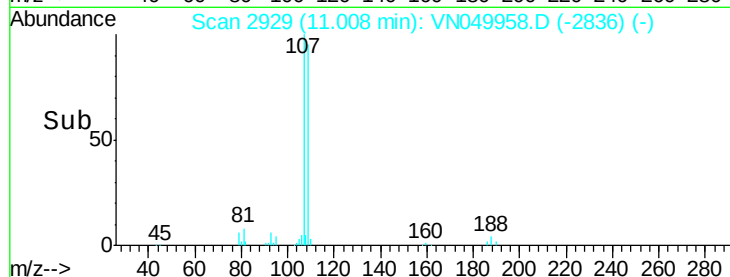
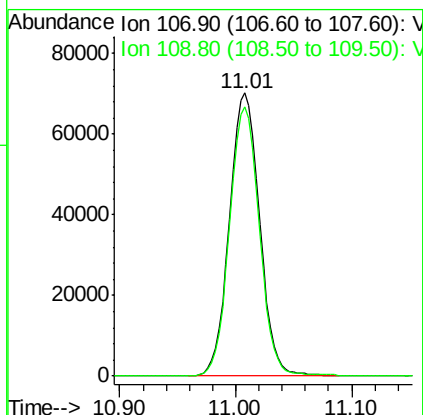
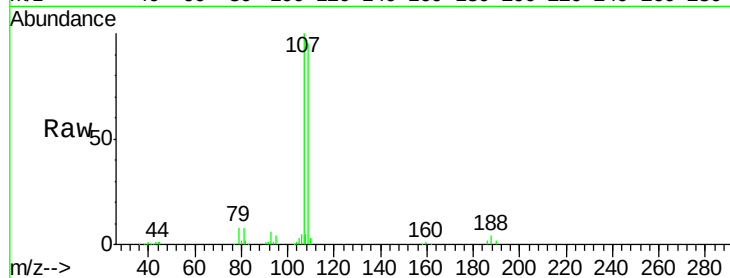




#61
 1,2-Dibromoethane
 Concen: 19.46 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

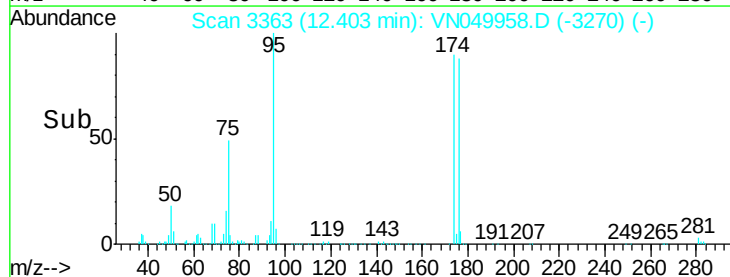
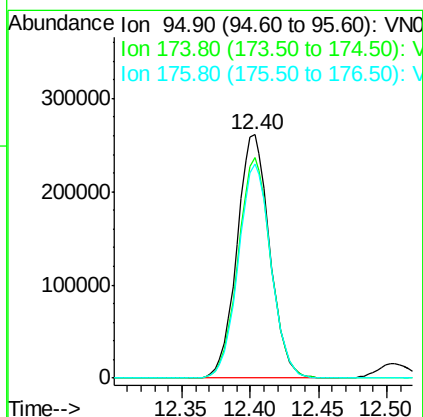
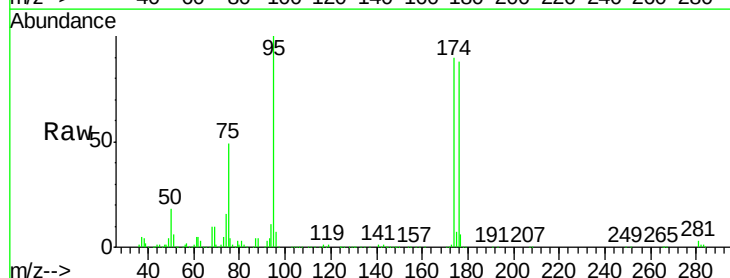
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

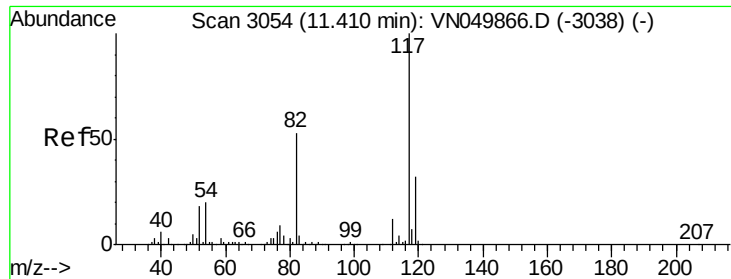
Tot Ion: 107 Resp: 126692
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 49.48 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 95 Resp: 434902
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 179.6
 176 87.9 0.0 174.0

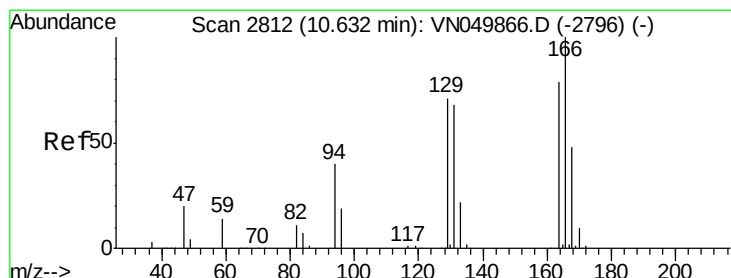
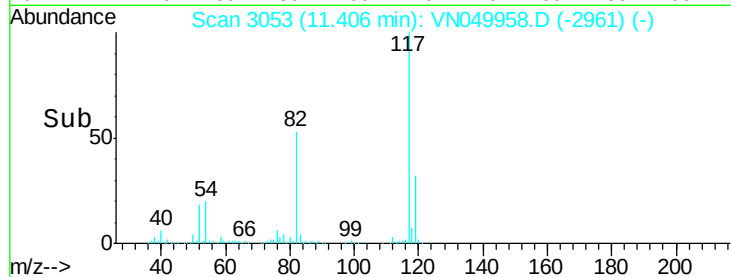
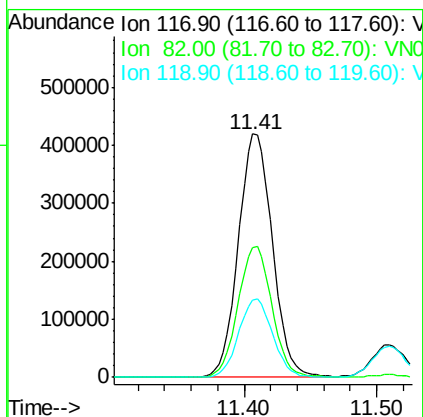
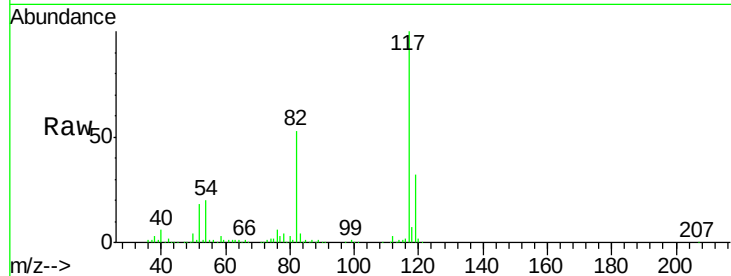




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

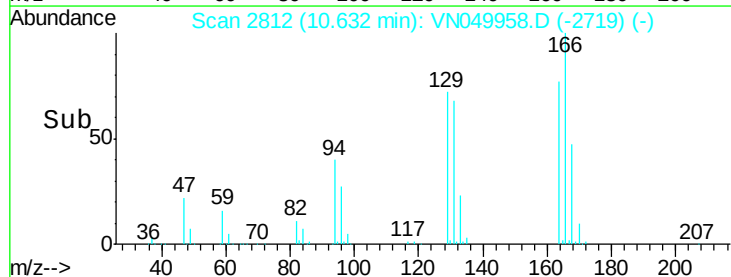
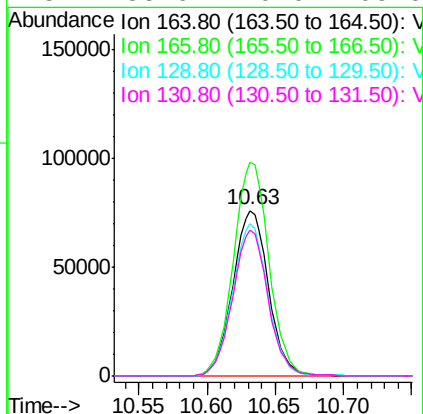
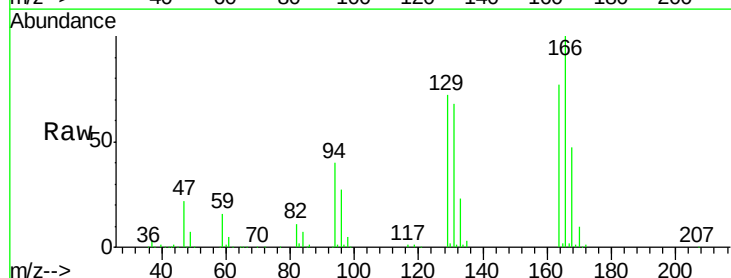
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

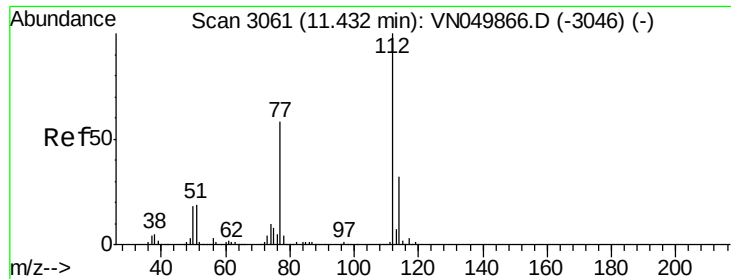
Tot Ion:117 Resp: 750310
Ion Ratio Lower Upper
117 100
82 53.4 41.9 62.9
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 20.40 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion:164 Resp: 137522
Ion Ratio Lower Upper
164 100
166 129.3 101.8 152.6
129 92.6 72.8 109.2
131 88.6 70.0 105.0





#65

Chlorobenzene

Concen: 19.90 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

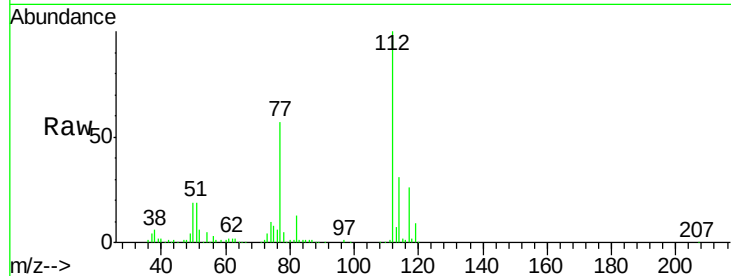
VN0720WBS01

Tot Ion:112 Resp: 375171

Ion Ratio Lower Upper

112 100

114 30.8 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

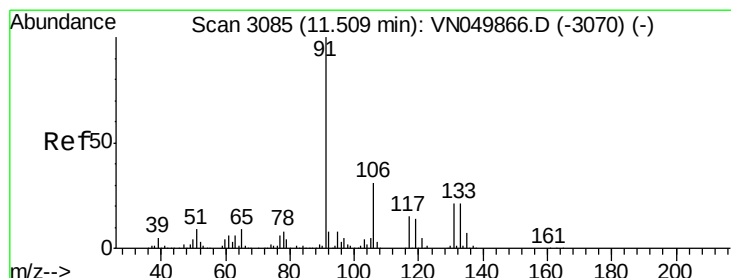
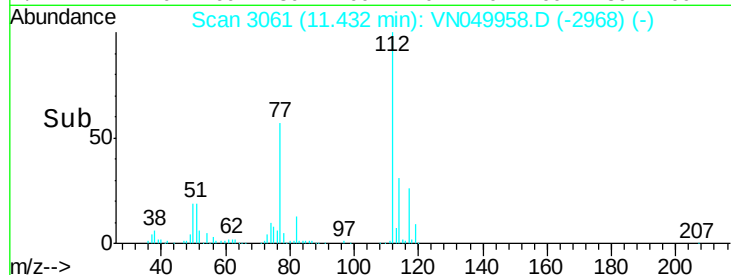
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.75 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

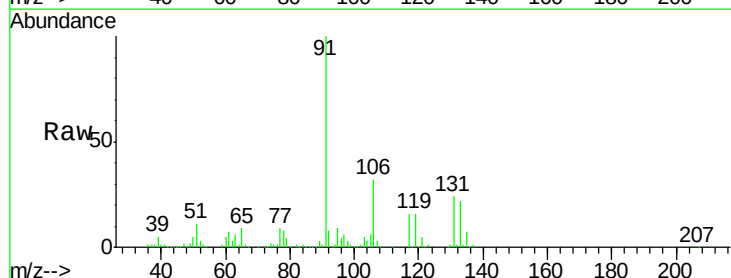
Tgt Ion:131 Resp: 144204

Ion Ratio Lower Upper

131 100

133 95.7 47.5 142.6

119 66.2 33.1 99.3



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

11.51

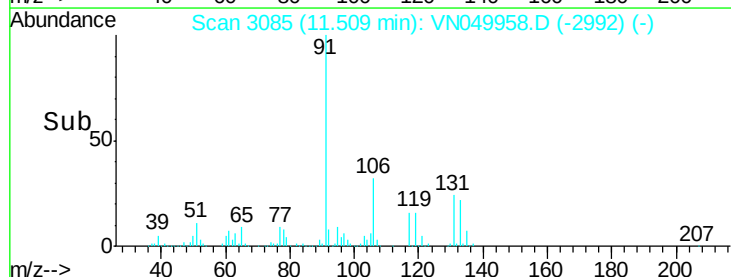
150000

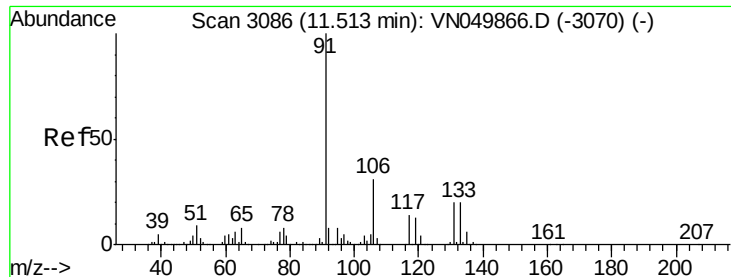
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.96 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

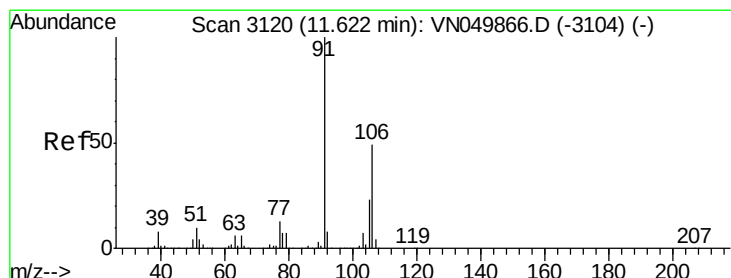
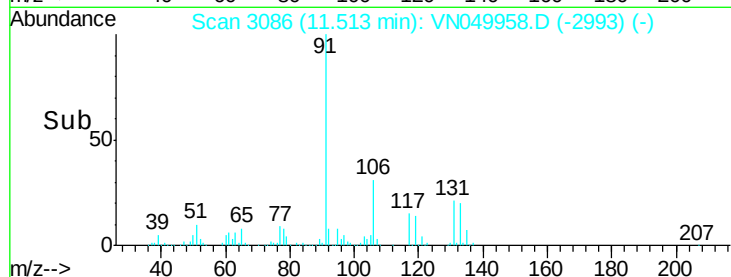
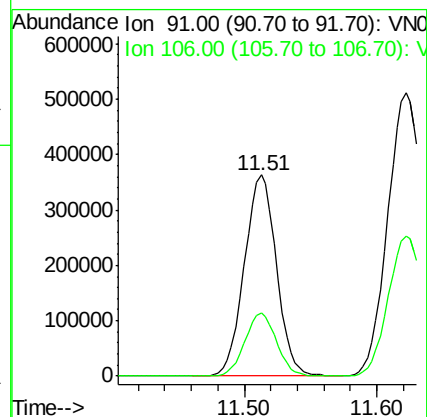
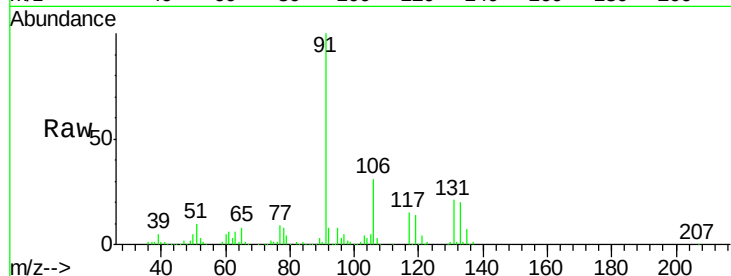
VN0720WBS01

Tot Ion: 91 Resp: 610563

Ion Ratio Lower Upper

91 100

106 31.3 24.8 37.2



#68

m/p-Xylenes

Concen: 41.20 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049958.D

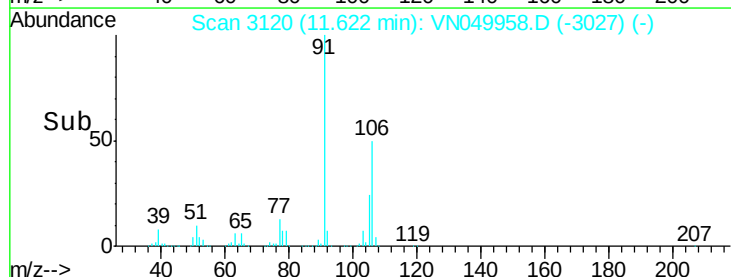
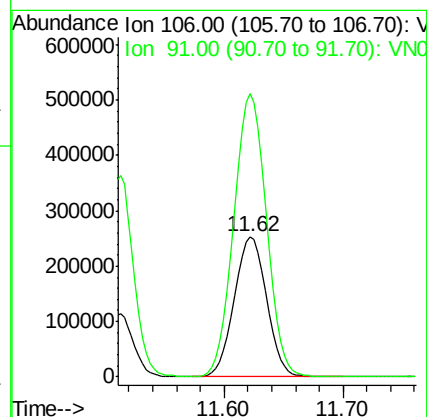
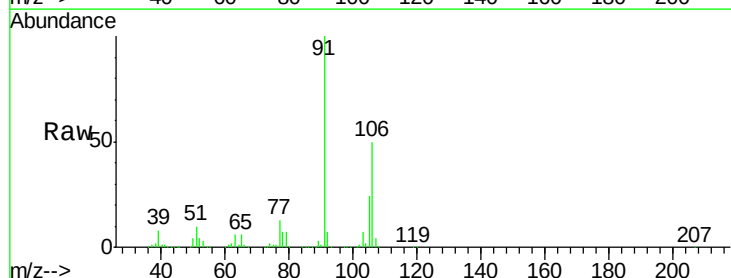
Acq: 20 Jul 2018 13:19

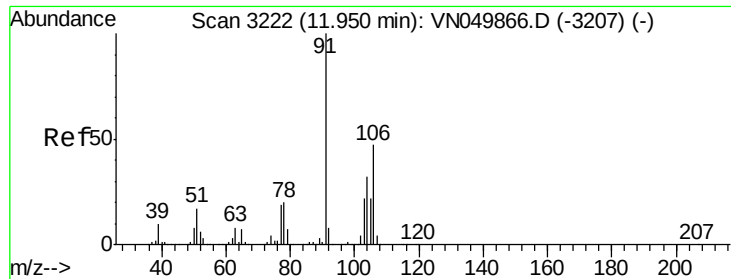
Tgt Ion: 106 Resp: 476973

Ion Ratio Lower Upper

106 100

91 204.1 163.4 245.2

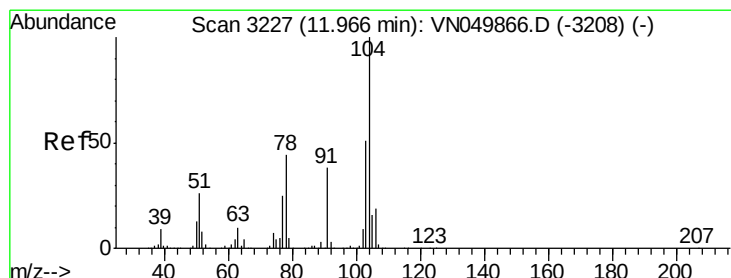
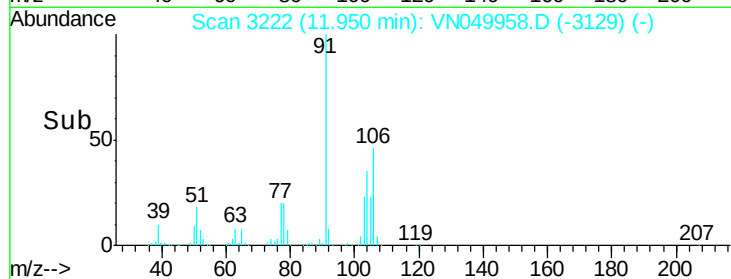
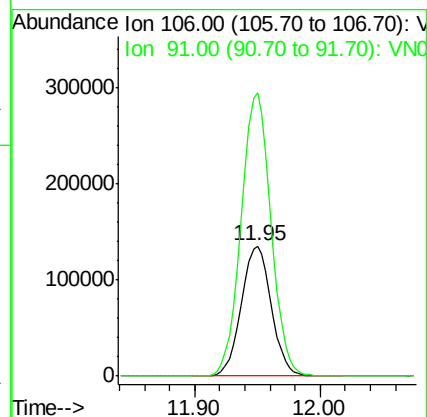
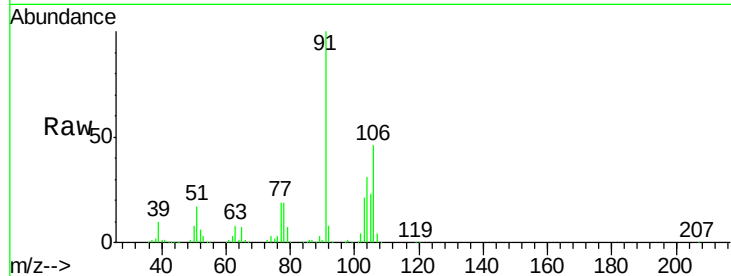




#69
o-Xylene
Concen: 20.21 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

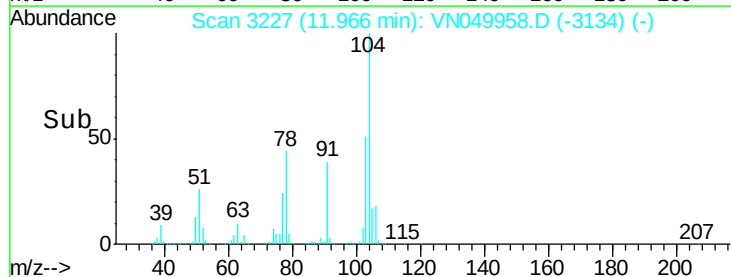
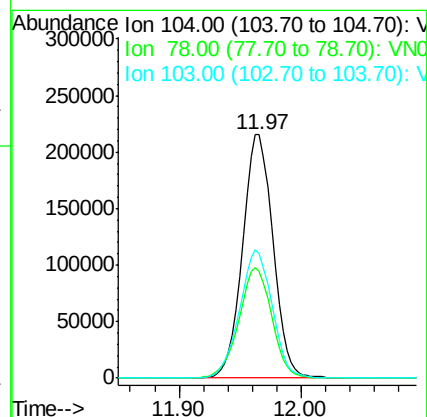
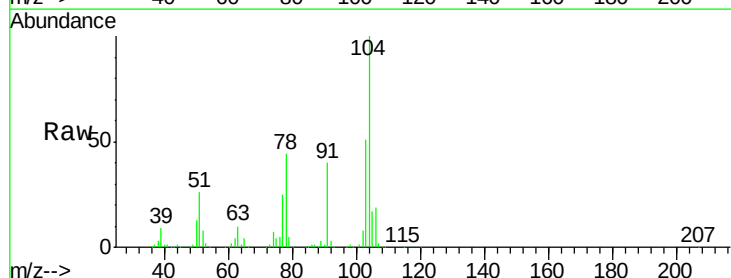
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

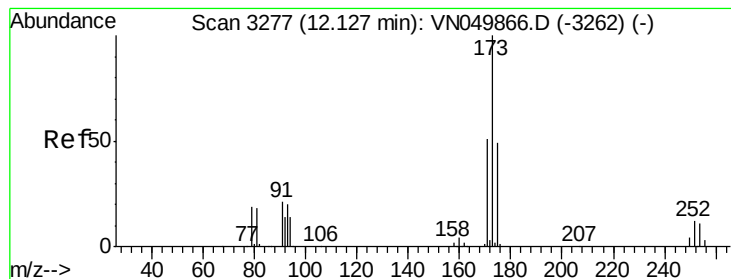
Tot Ion:106 Resp: 224766
Ion Ratio Lower Upper
106 100
91 216.9 108.7 326.1



#70
Styrene
Concen: 20.60 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion:104 Resp: 370998
Ion Ratio Lower Upper
104 100
78 49.1 39.2 58.8
103 56.5 44.6 67.0





#71

Bromoform

Concen: 19.41 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBS01

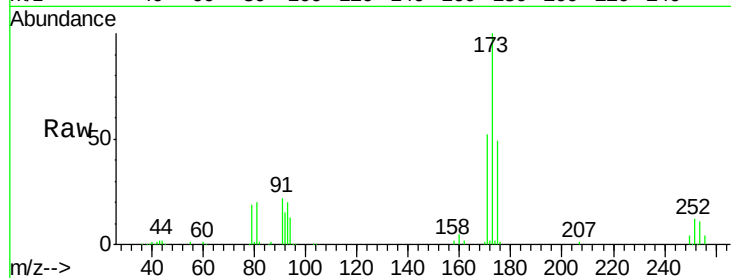
Tot Ion:173 Resp: 101378

Ion Ratio Lower Upper

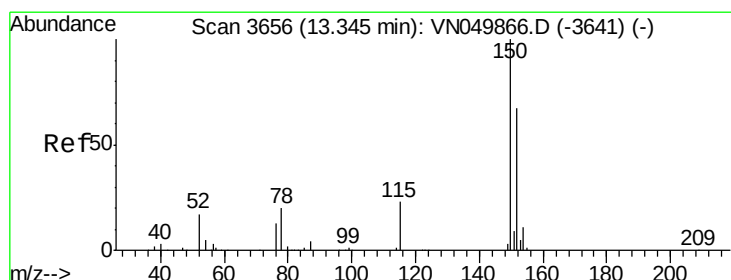
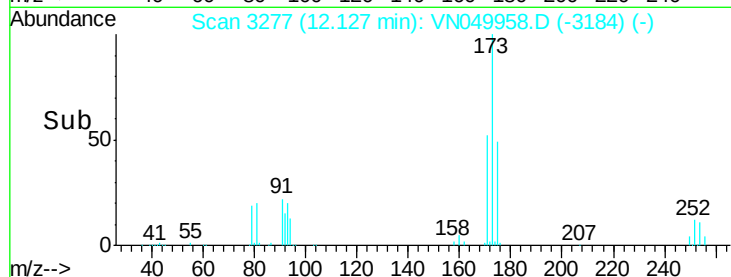
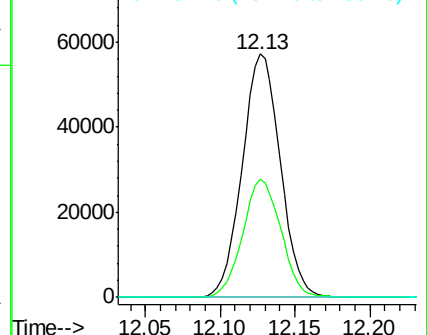
173 100

175 48.6 24.6 73.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

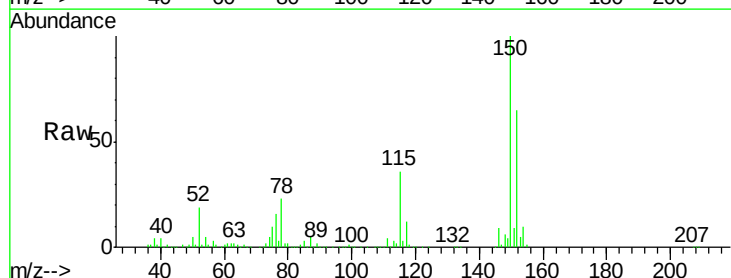
Tgt Ion:152 Resp: 395629

Ion Ratio Lower Upper

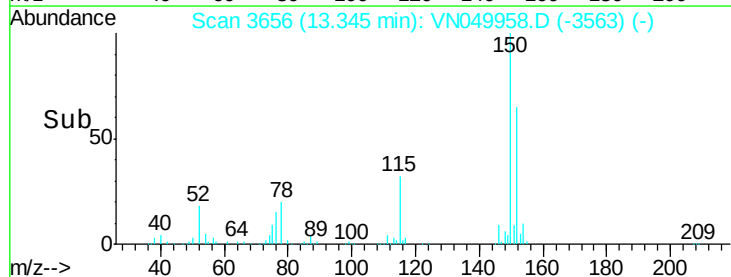
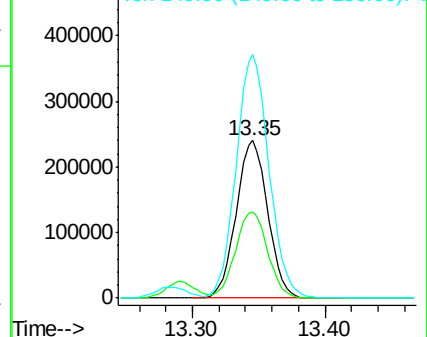
152 100

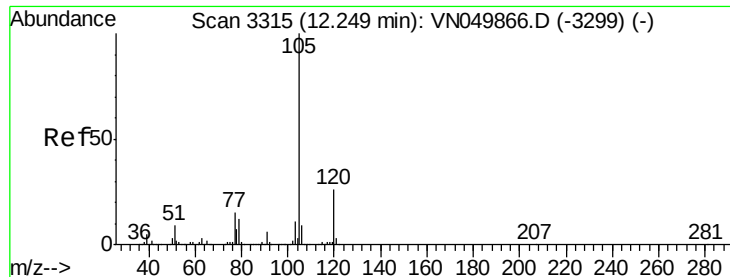
115 55.8 28.1 84.2

150 161.2 0.0 347.6



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





#73

Isopropylbenzene

Concen: 20.31 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

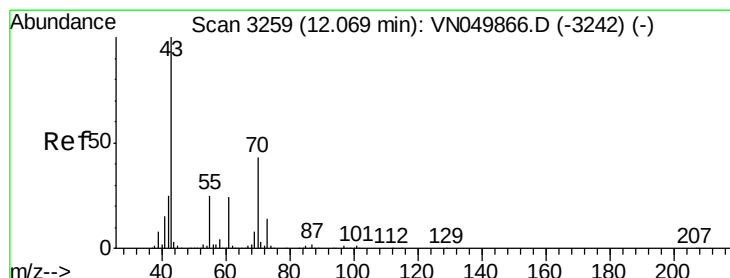
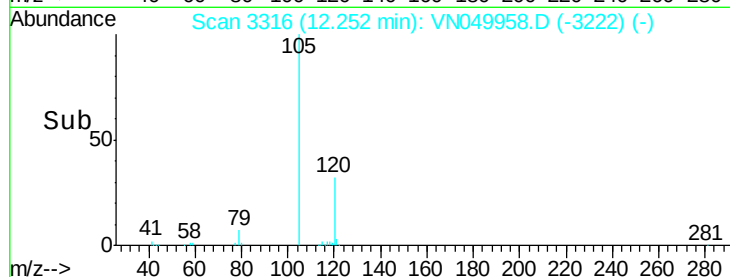
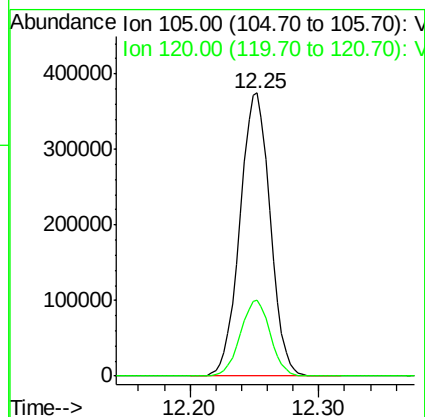
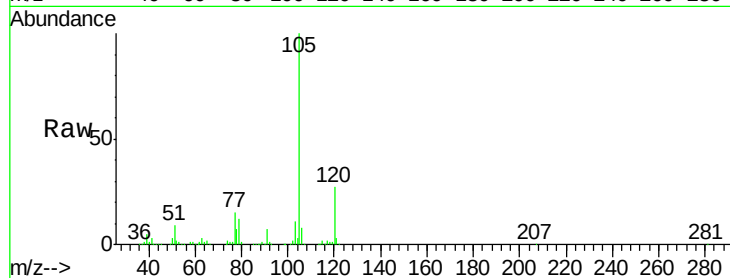
VN0720WBS01

Tot Ion:105 Resp: 610436

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 18.25 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Tgt Ion: 43 Resp: 166917

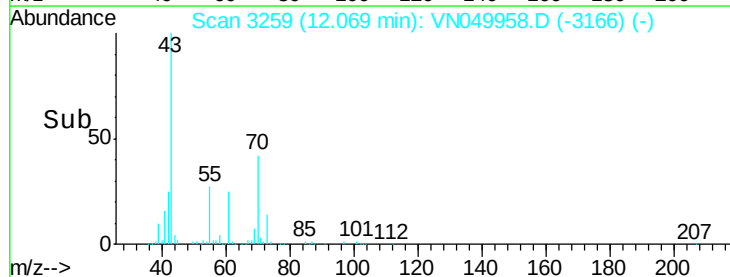
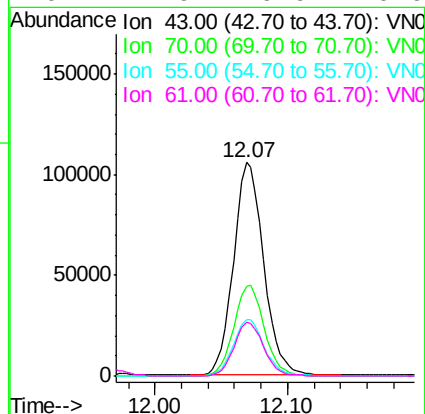
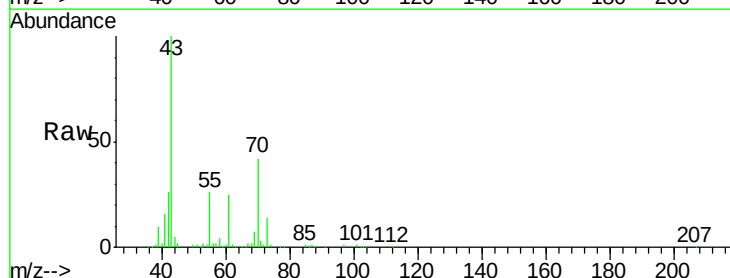
Ion Ratio Lower Upper

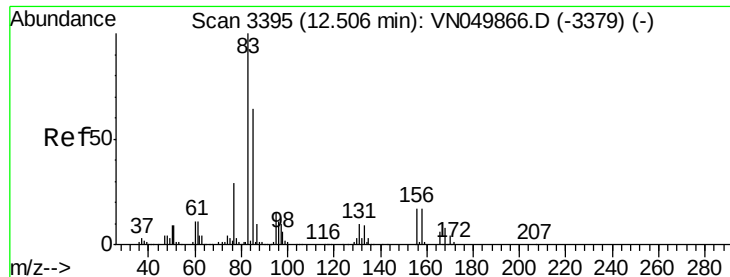
43 100

70 43.3 34.8 52.2

55 27.4 20.9 31.3

61 24.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.64 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

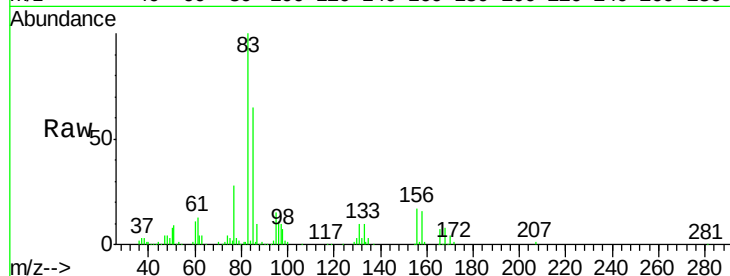
Tot Ion: 83 Resp: 167852

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

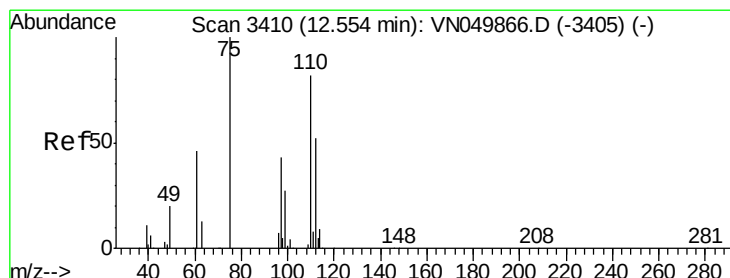
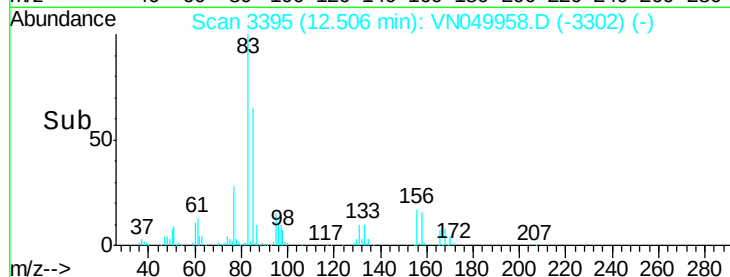
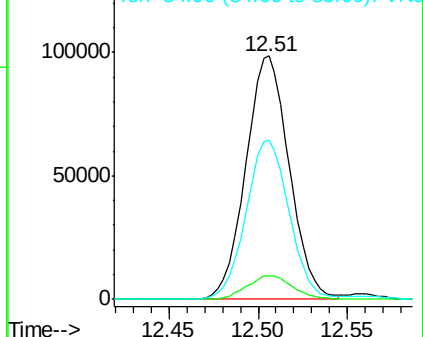
85 64.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.81 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049958.D

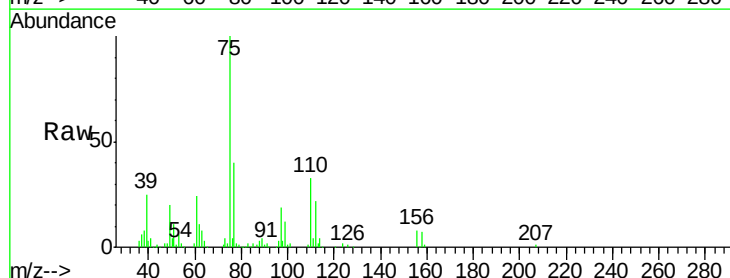
Acq: 20 Jul 2018 13:19

Tgt Ion: 75 Resp: 199005

Ion Ratio Lower Upper

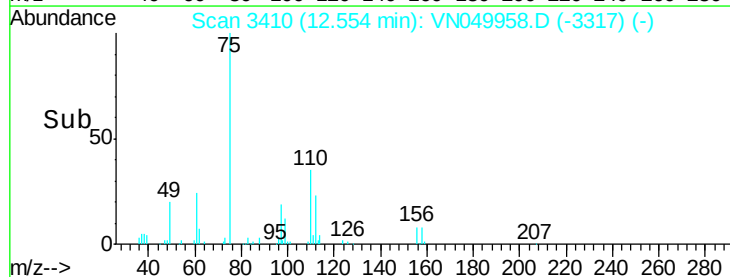
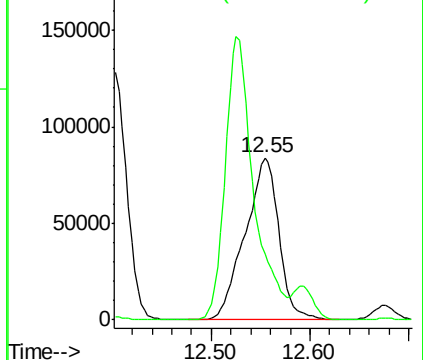
75 100

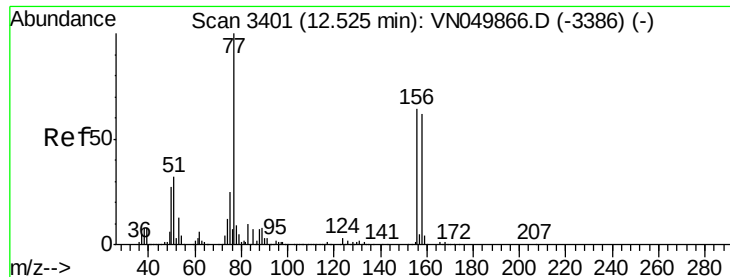
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.91 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

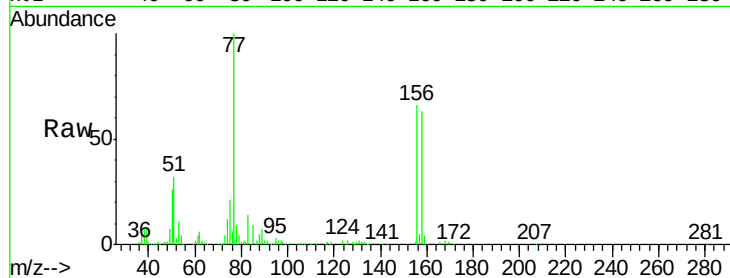
Tot Ion:156 Resp: 165197

Ion Ratio Lower Upper

156 100

77 179.3 90.2 270.6

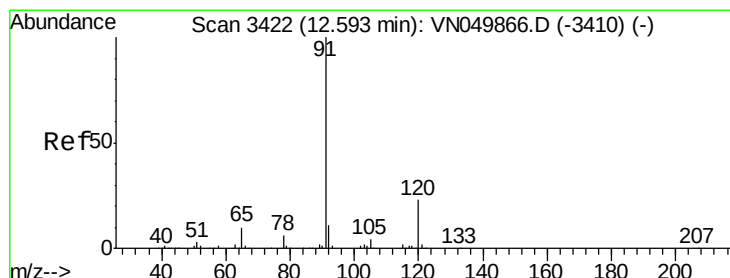
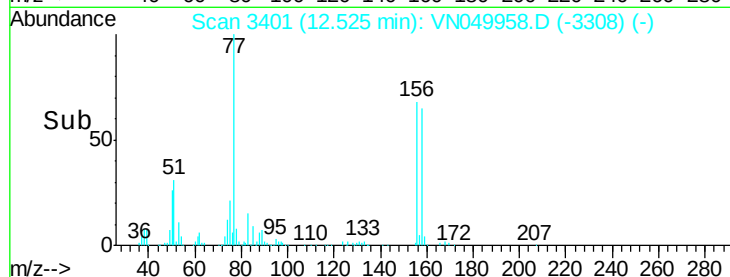
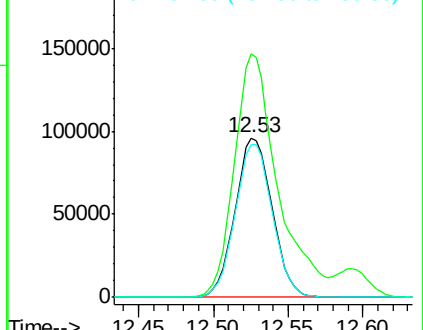
158 96.8 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.71 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049958.D

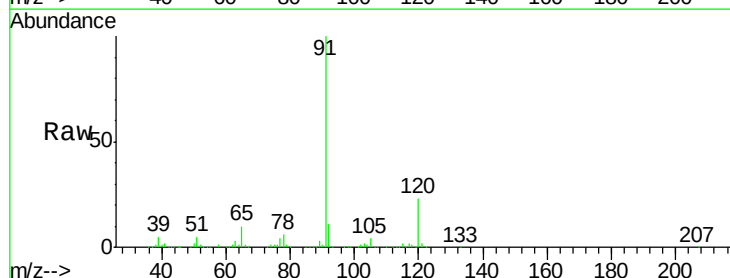
Acq: 20 Jul 2018 13:19

Tgt Ion: 91 Resp: 707604

Ion Ratio Lower Upper

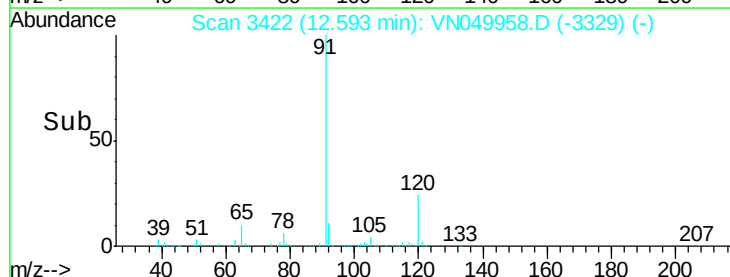
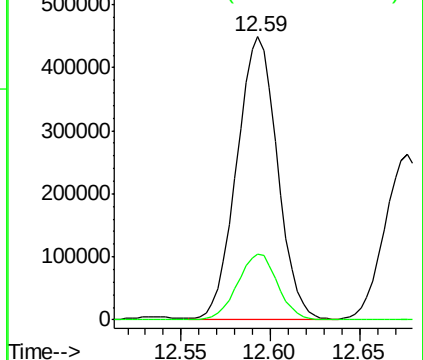
91 100

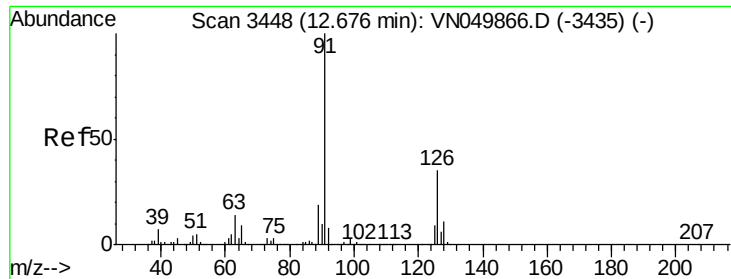
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.63 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampleId :

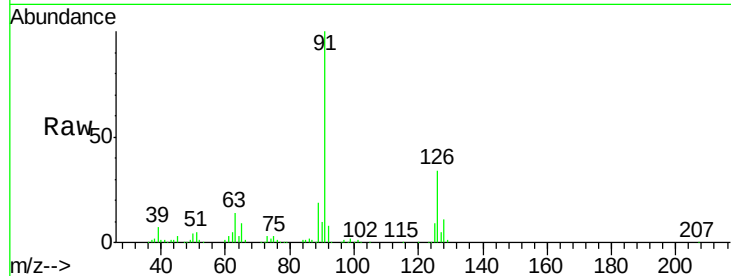
VN0720WBS01

Tot Ion: 91 Resp: 432807

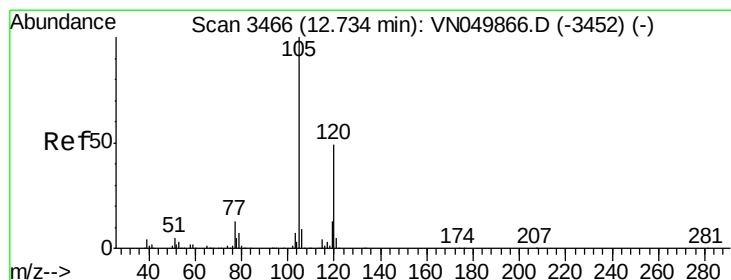
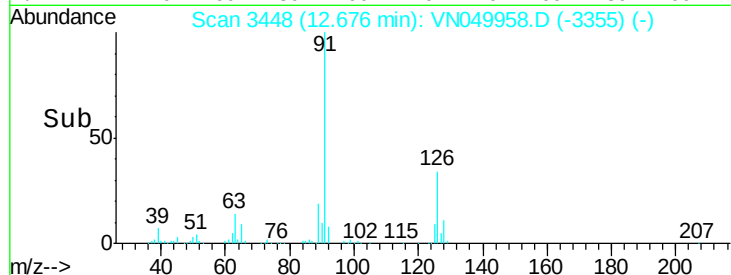
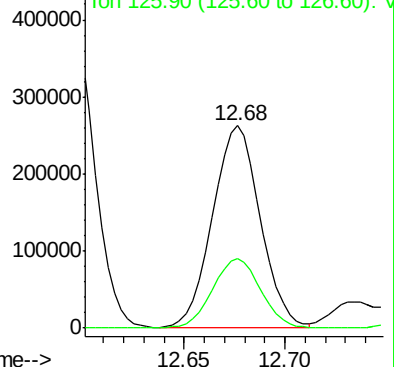
Ion Ratio Lower Upper

91 100

126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049958.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.06 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049958.D

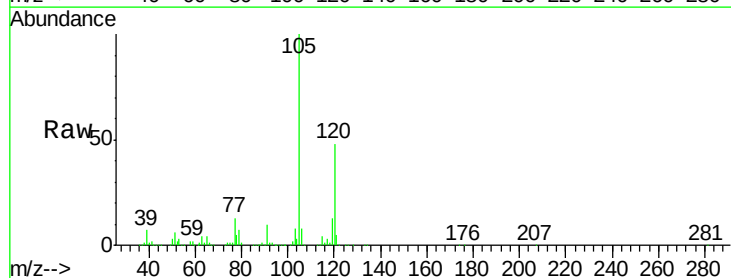
Acq: 20 Jul 2018 13:19

Tgt Ion: 105 Resp: 507252

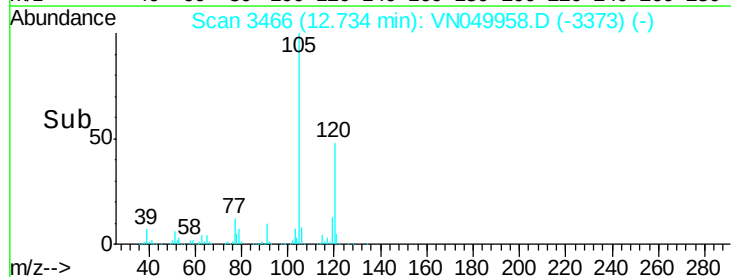
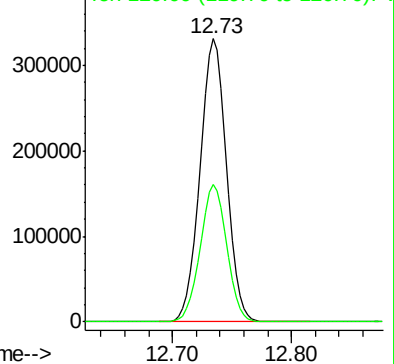
Ion Ratio Lower Upper

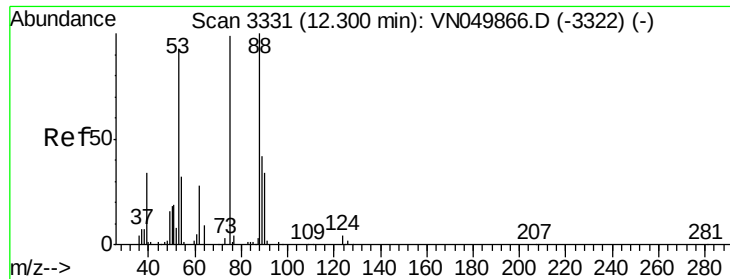
105 100

120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049958.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.22 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

VN0720WBS01

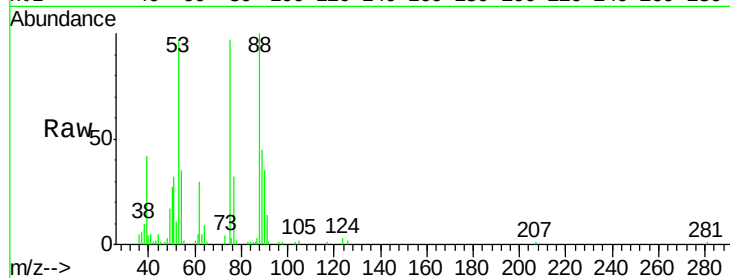
Tot Ion: 75 Resp: 43244

Ion Ratio Lower Upper

75 100

53 98.2 73.9 110.9

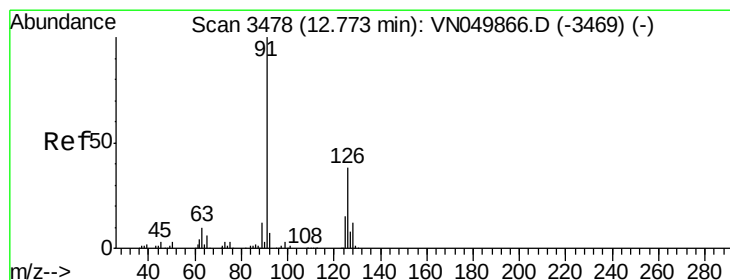
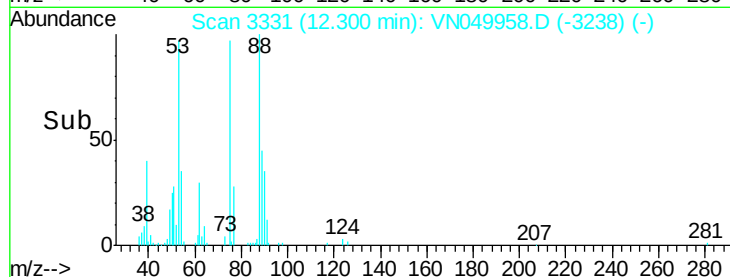
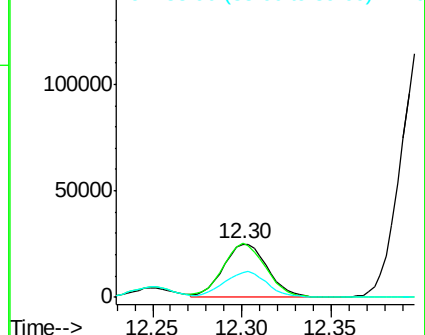
89 46.6 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.68 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN049958.D

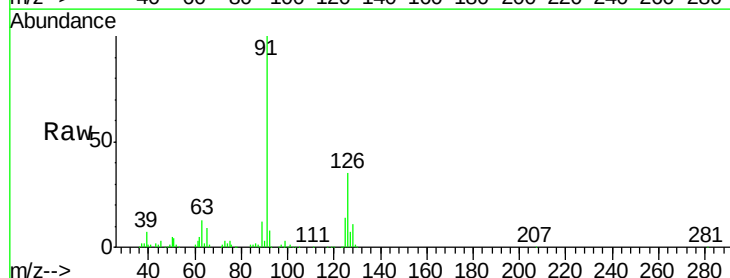
Acq: 20 Jul 2018 13:19

Tgt Ion: 91 Resp: 435219

Ion Ratio Lower Upper

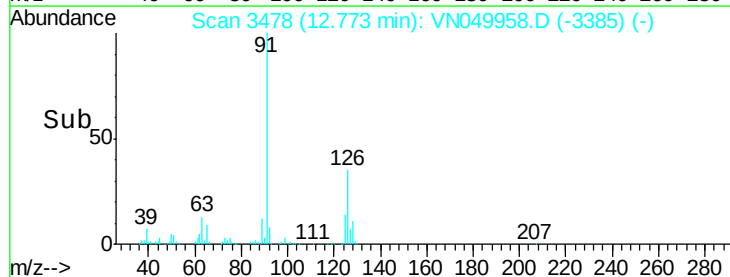
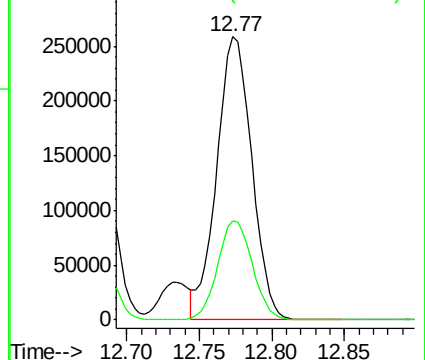
91 100

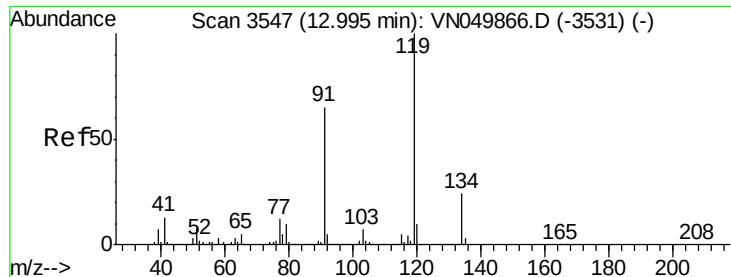
126 34.6 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

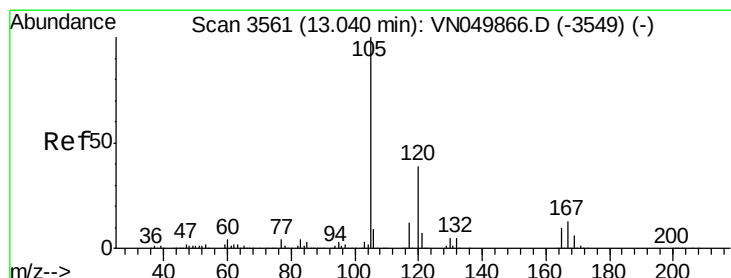
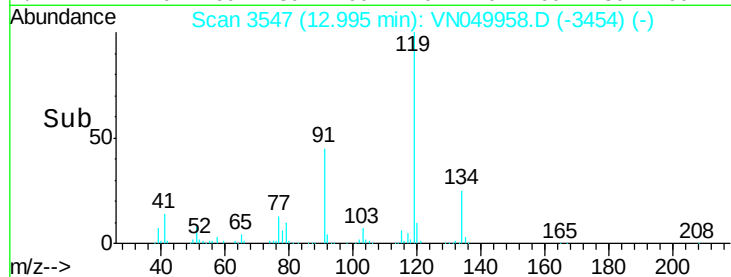
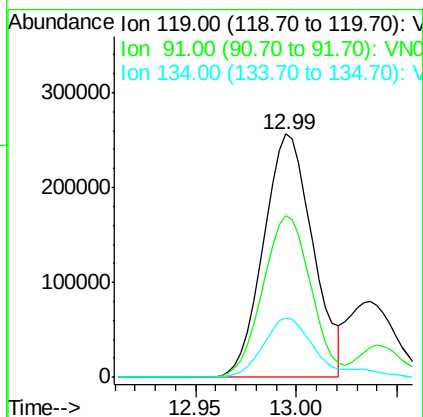
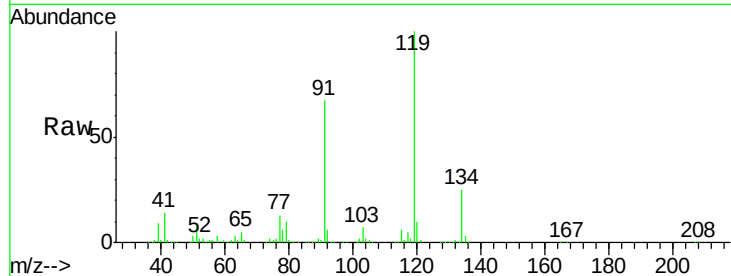




#83
 tert-Butylbenzene
 Concen: 20.58 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

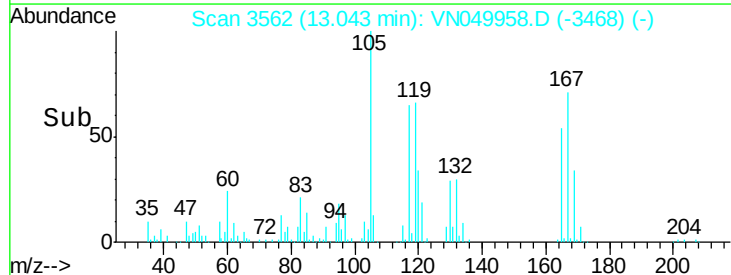
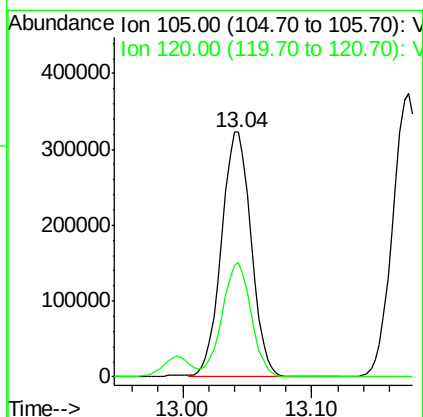
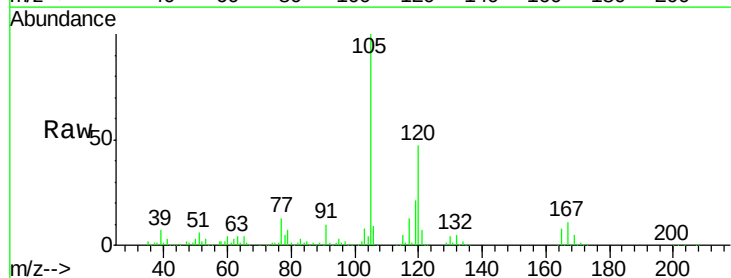
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

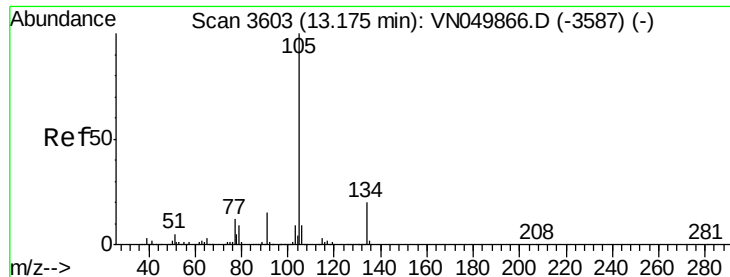
Tot Ion:119 Resp: 435357
 Ion Ratio Lower Upper
 119 100
 91 64.9 32.0 96.2
 134 24.1 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.13 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion:105 Resp: 515640
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.7 68.1





#85

sec-Butylbenzene

Concen: 21.10 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

Instrument :

MSVOA_N

ClientSampled :

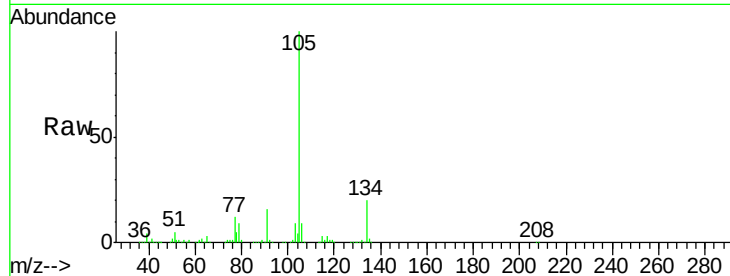
VN0720WBS01

Tot Ion:105 Resp: 589933

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

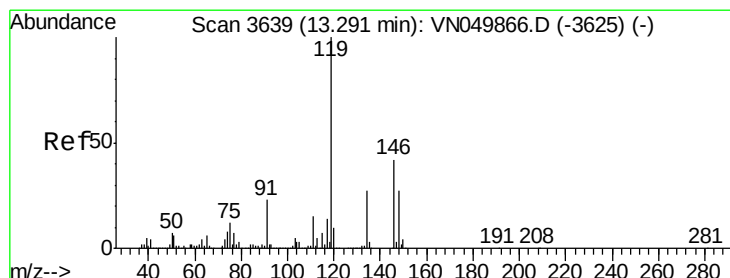
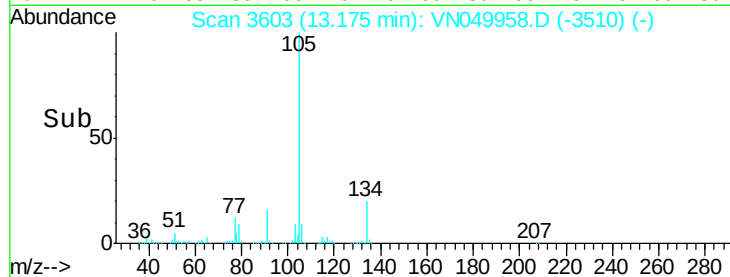
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.15 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049958.D

Acq: 20 Jul 2018 13:19

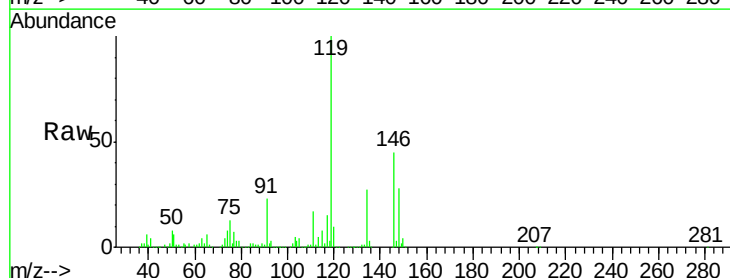
Tgt Ion:119 Resp: 503911

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

91 23.4 11.4 34.1



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

13.29

400000

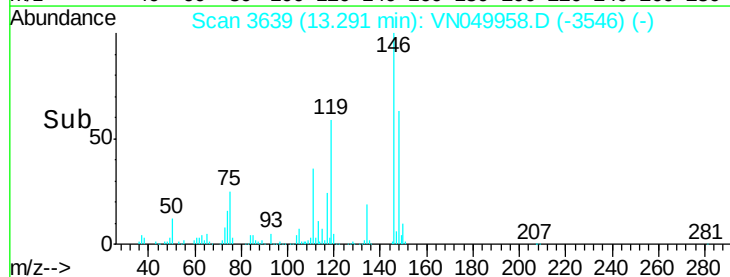
300000

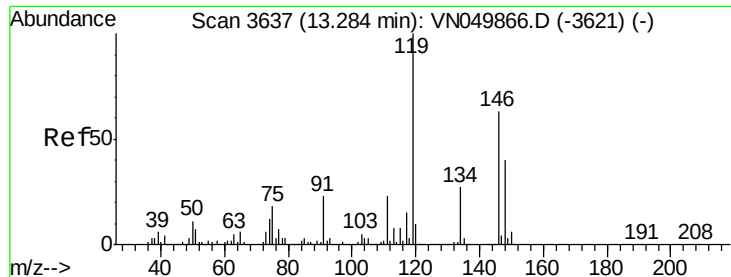
200000

100000

0

Time-->

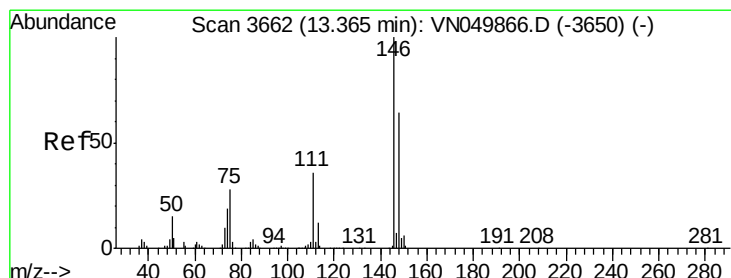
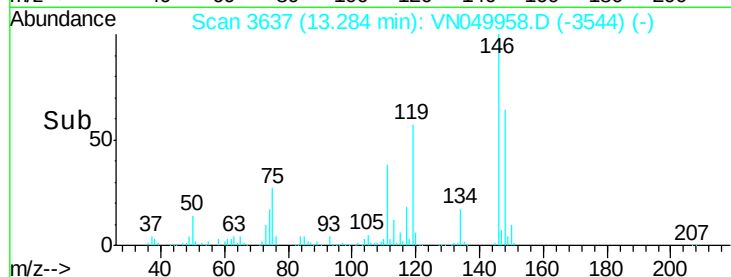
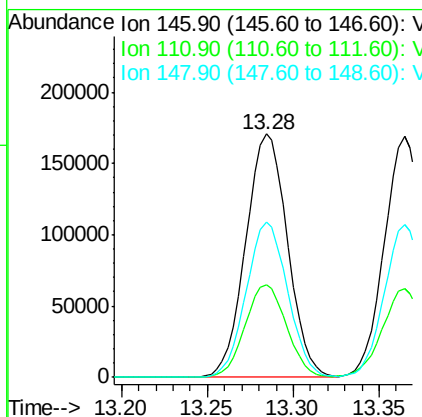
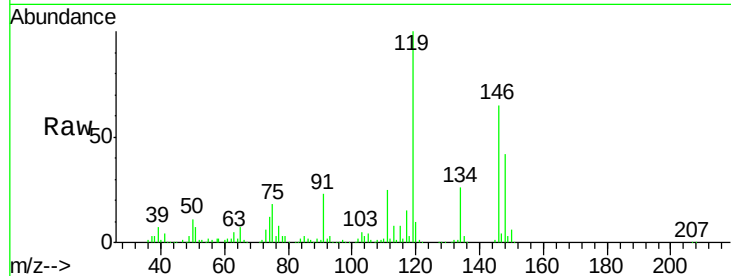




#87
 1,3-Dichlorobenzene
 Concen: 19.92 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

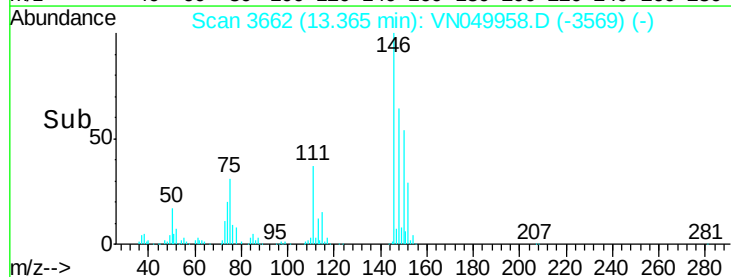
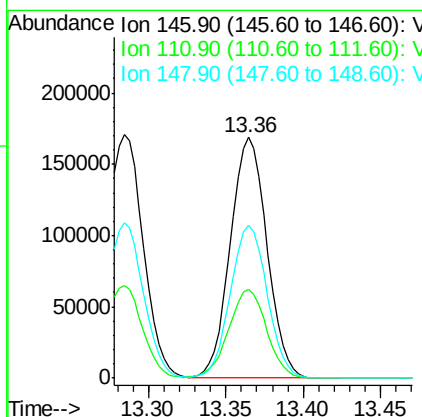
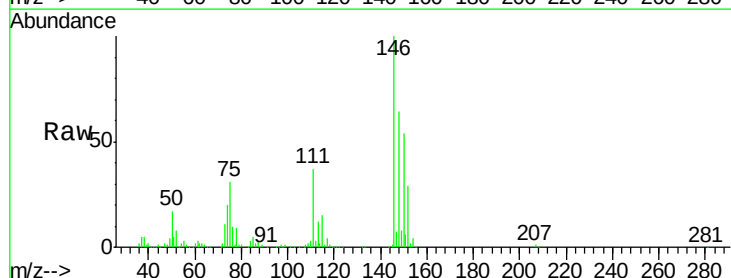
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

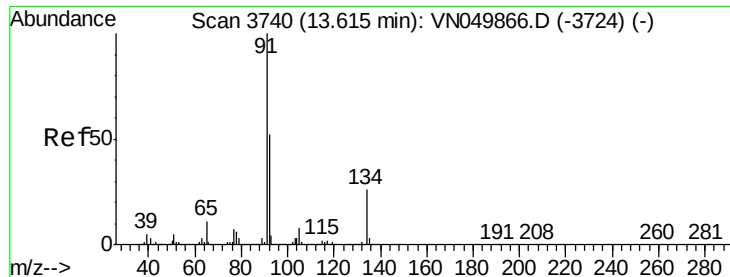
Tot Ion:146 Resp: 288000
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.0 57.0
 148 63.3 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.17 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion:146 Resp: 277881
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.5
 148 63.8 32.1 96.3

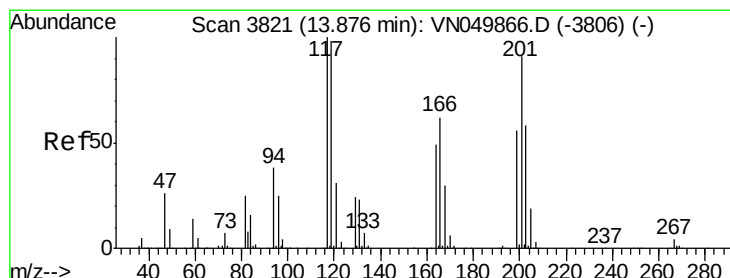
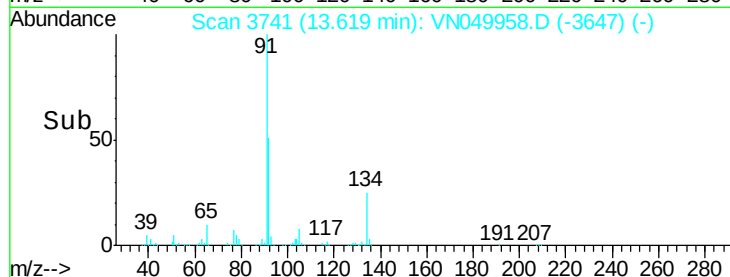
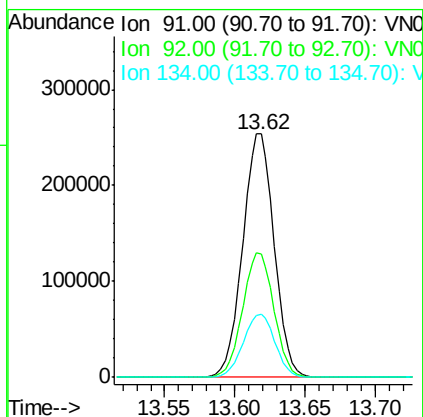
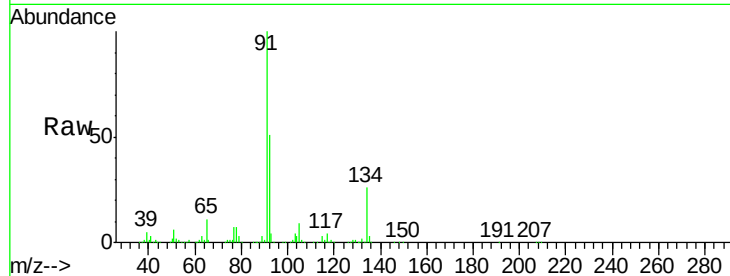




#89
n-Butylbenzene
Concen: 20.18 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

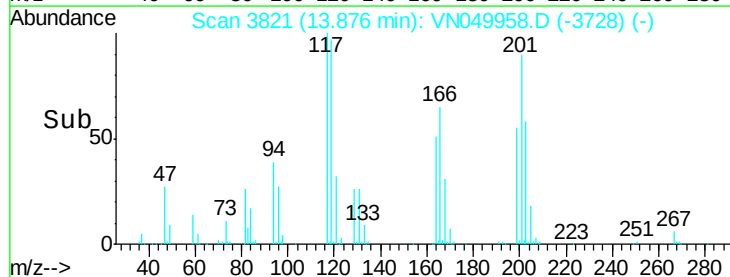
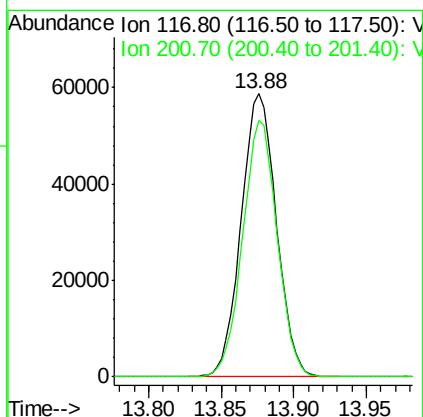
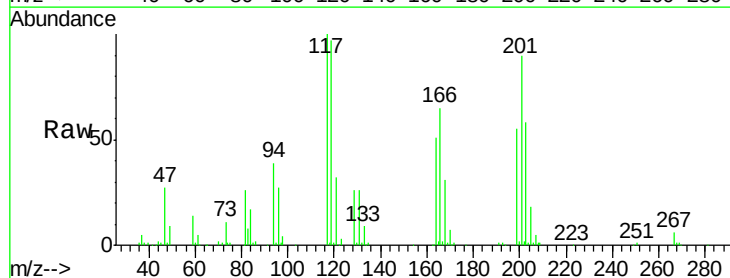
Instrument :
MSVOA_N
ClientSampled :
VN0720WBS01

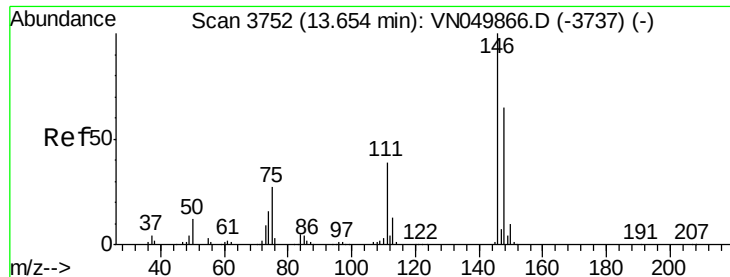
Tot Ion: 91 Resp: 397158
Ion Ratio Lower Upper
91 100
92 50.7 25.8 77.3
134 26.2 13.0 38.9



#90
Hexachloroethane
Concen: 18.60 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion: 117 Resp: 99471
Ion Ratio Lower Upper
117 100
201 88.6 45.3 135.8

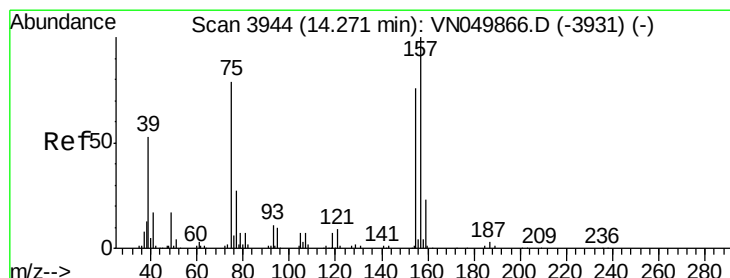
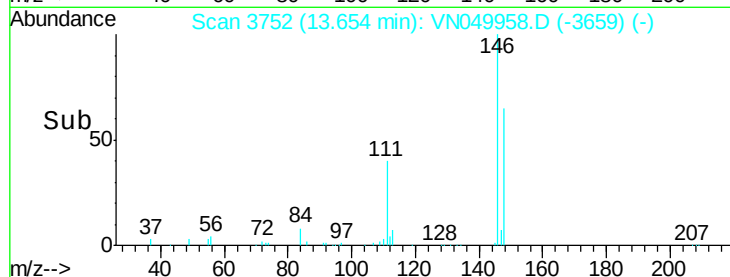
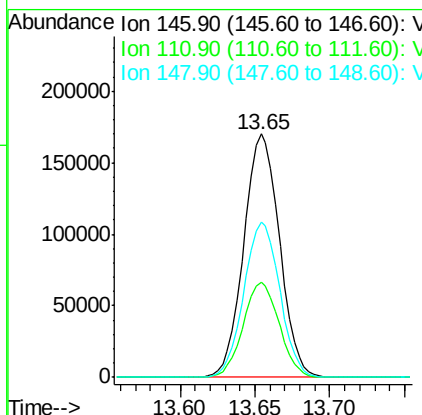
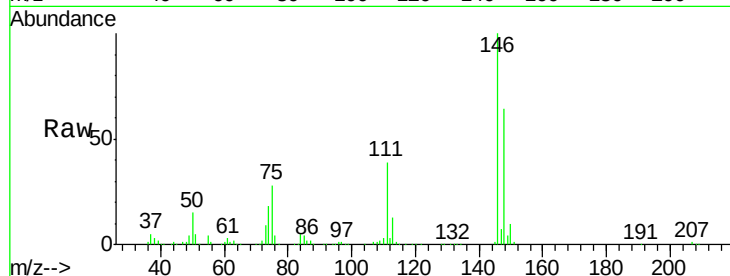




#91
 1,2-Dichlorobenzene
 Concen: 19.88 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

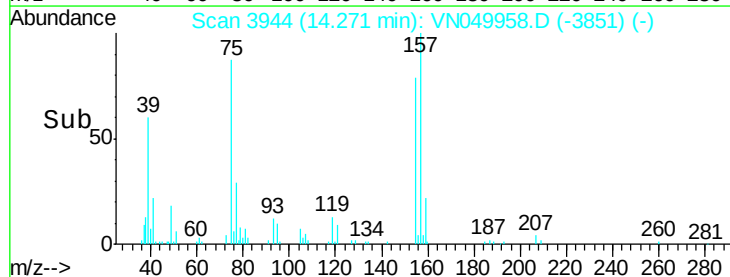
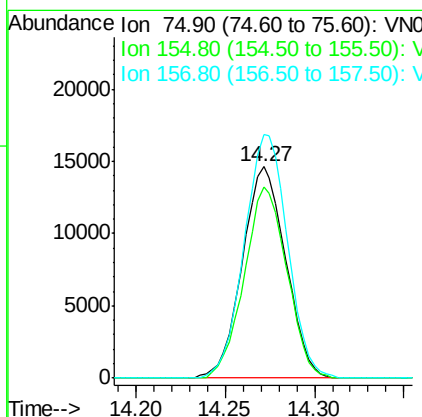
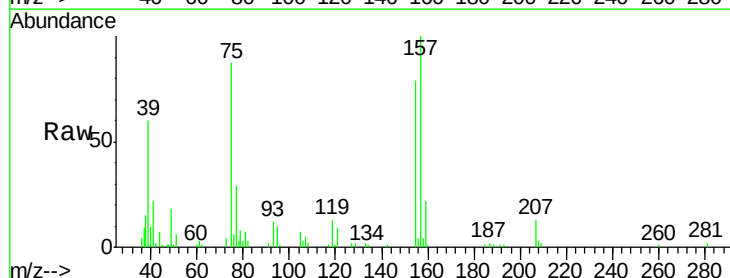
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

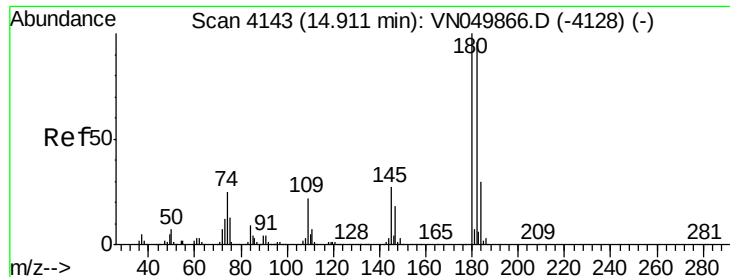
Tot Ion:146 Resp: 282614
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.1
 148 64.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.84 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion: 75 Resp: 24821
 Ion Ratio Lower Upper
 75 100
 155 88.8 45.7 137.1
 157 115.2 56.9 170.7

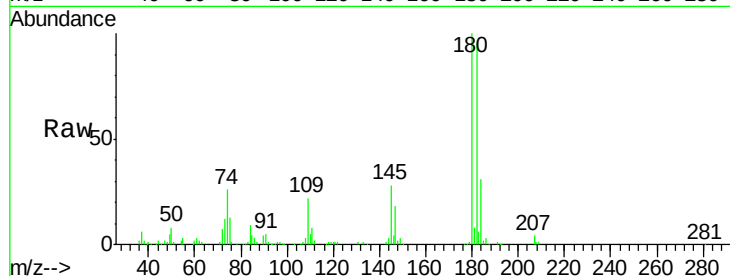




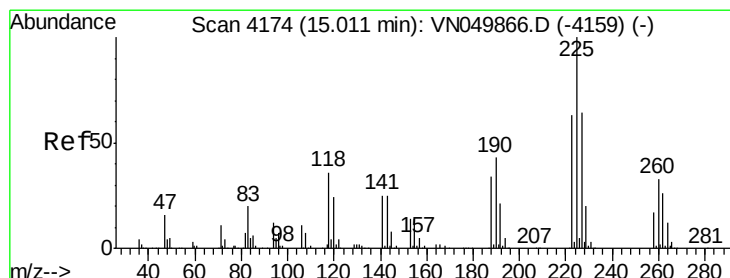
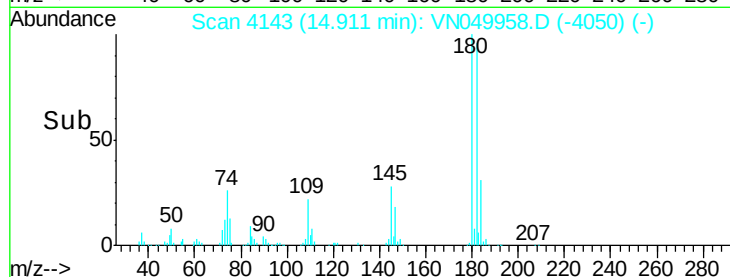
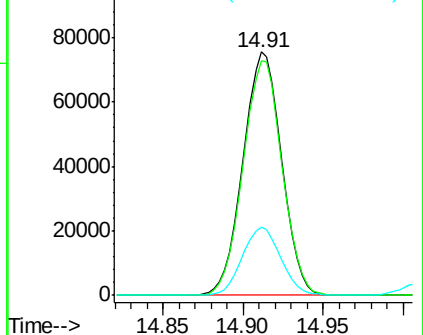
#93
 1,2,4-Trichlorobenzene
 Concen: 18.20 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBS01

Tot Ion:180 Resp: 124033
 Ion Ratio Lower Upper
 180 100
 182 97.4 47.3 141.9
 145 27.8 14.4 43.0

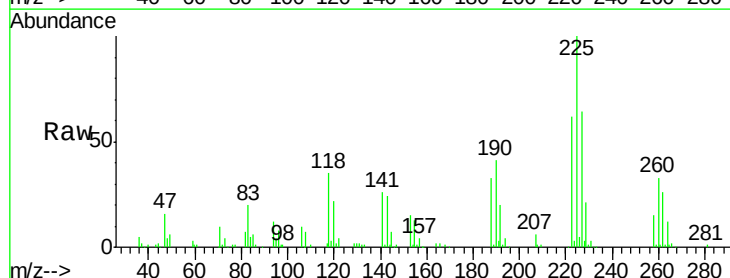


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

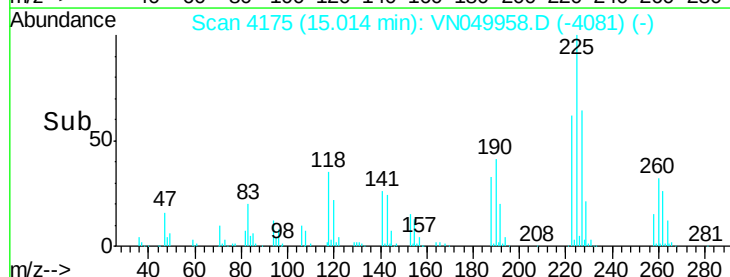
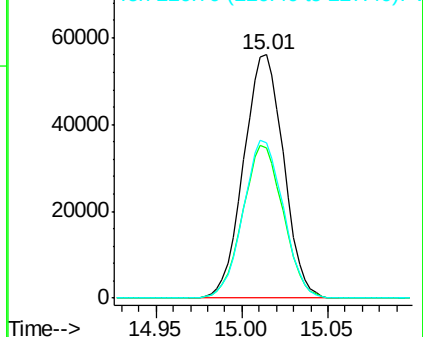


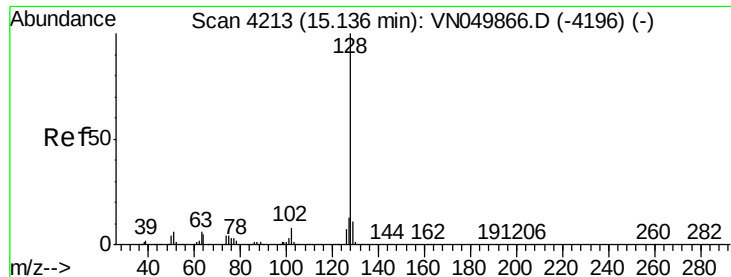
#94
 Hexachlorobutadiene
 Concen: 19.45 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049958.D
 Acq: 20 Jul 2018 13:19

Tgt Ion:225 Resp: 90612
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.7
 227 65.2 31.8 95.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

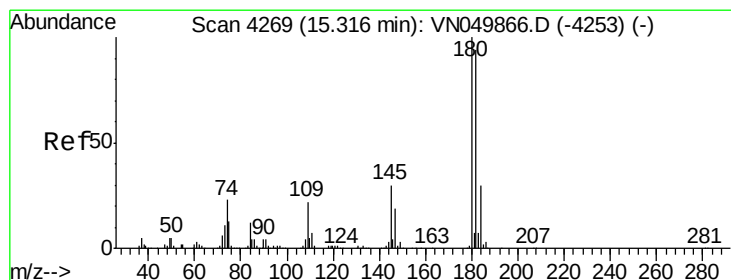
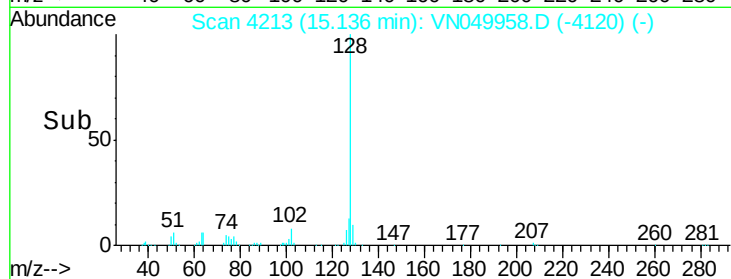
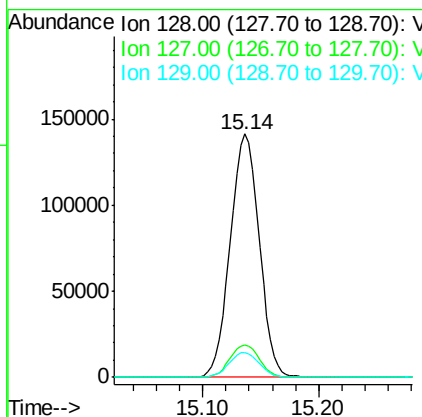
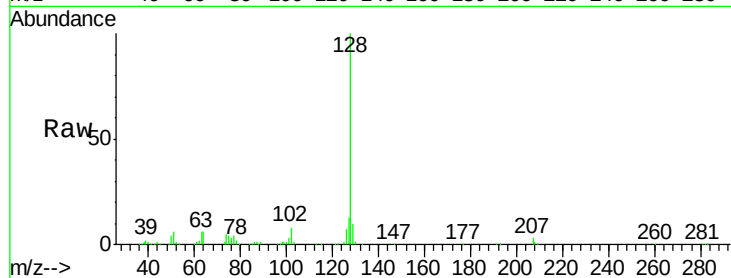




#95
Naphthalene
Concen: 16.41 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Instrument :
MSVOA_N
ClientSampleId :
VN0720WBS01

Tot Ion:128 Resp: 245395
Ion Ratio Lower Upper
128 100
127 13.6 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.85 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049958.D
Acq: 20 Jul 2018 13:19

Tgt Ion:180 Resp: 128563
Ion Ratio Lower Upper
180 100
182 97.4 47.4 142.2
145 29.9 15.2 45.6

