

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049902.D
 Acq On : 19 Jul 2018 4:53
 Operator : MD\SY
 Sample : VN0718WBS04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 06:10:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	915714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	816301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	408713	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	429593	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
35) Dibromofluoromethane	7.59	113	383936	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
50) Toluene-d8	10.09	98	1413050	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	461379	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	115966	20.18	ug/l	97
3) Chloromethane	2.06	50	152356	18.47	ug/l	100
4) Vinyl Chloride	2.18	62	171192	19.45	ug/l	100
5) Bromomethane	2.57	94	101716	19.51	ug/l	97
6) Chloroethane	2.70	64	108752	18.92	ug/l	100
7) Trichlorofluoromethane	3.01	101	231723	19.16	ug/l	100
8) Diethyl Ether	3.41	74	84599	20.05	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	142237	19.07	ug/l	98
10) Methyl Iodide	3.95	142	195779	19.56	ug/l	99
11) Tert butyl alcohol	4.80	59	54382	91.89	ug/l	99
12) 1,1-Dichloroethene	3.73	96	129337	19.74	ug/l	98
13) Acrolein	3.61	56	33329	87.39	ug/l	95
14) Allyl chloride	4.32	41	201037	19.46	ug/l	99
15) Acrylonitrile	5.00	53	251941	96.79	ug/l	98
16) Acetone	3.82	43	187876	87.35	ug/l	99
17) Carbon Disulfide	4.05	76	360127	18.37	ug/l	99
18) Methyl Acetate	4.33	43	147014	21.28	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	374146	20.75	ug/l	99
20) Methylene Chloride	4.55	84	151579	18.53	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	138829	19.95	ug/l	98
22) Diisopropyl ether	5.95	45	450203	21.36	ug/l	99
23) Vinyl Acetate	5.90	43	1493000	100.94	ug/l	100
24) 1,1-Dichloroethane	5.85	63	269368	19.91	ug/l	100
25) 2-Butanone	6.84	43	286336	93.15	ug/l	97
26) 2,2-Dichloropropane	6.82	77	164325	15.61	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	159385	20.87	ug/l	97
28) Bromochloromethane	7.20	49	128192	20.98	ug/l	98
29) Tetrahydrofuran	7.22	42	191286	98.78	ug/l	99
30) Chloroform	7.37	83	283314	20.39	ug/l	98
31) Cyclohexane	7.65	56	221814	20.14	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	237039	19.74	ug/l	98
36) 1,1-Dichloropropene	7.79	75	198988	19.54	ug/l	100
37) Ethyl Acetate	6.93	43	132968	19.02	ug/l	99
38) Carbon Tetrachloride	7.77	117	207590	19.03	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	200238	19.04	ug/l	96
40) Benzene	8.04	78	614431	19.80	ug/l	99
41) Methacrylonitrile	7.18	41	64111	18.29	ug/l	91
42) 1,2-Dichloroethane	8.13	62	198818	19.34	ug/l	100
43) Isopropyl Acetate	8.17	43	257245	21.06	ug/l	100
44) Trichloroethene	8.83	130	161745	19.88	ug/l	100
45) 1,2-Dichloropropane	9.12	63	164761	19.68	ug/l	99
46) Dibromomethane	9.21	93	98549	18.98	ug/l	99
47) Bromodichloromethane	9.40	83	211803	19.73	ug/l	97
48) Methyl methacrylate	9.20	41	114630	18.71	ug/l	99
49) 1,4-Dioxane	9.20	88	33100	380.81	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	663849	97.22	ug/l	100
52) Toluene	10.16	92	379300	20.49	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196455	18.50	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	227637	19.40	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	143154	18.72	ug/l	96
56) Ethyl methacrylate	10.43	69	173414	18.32	ug/l	98
57) 1,3-Dichloropropane	10.71	76	238923	19.84	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	411218	100.94	ug/l	99
59) 2-Hexanone	10.75	43	435943	95.05	ug/l	96
60) Dibromochloromethane	10.90	129	160574	19.15	ug/l	99
61) 1,2-Dibromoethane	11.01	107	136353	19.08	ug/l	97
64) Tetrachloroethene	10.63	164	148514	20.25	ug/l	98
65) Chlorobenzene	11.43	112	406866	19.84	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	156639	19.72	ug/l	99
67) Ethyl Benzene	11.51	91	677513	20.36	ug/l	100
68) m/p-Xylenes	11.62	106	529619	42.05	ug/l	99
69) o-Xylene	11.95	106	249372	20.61	ug/l	99
70) Styrene	11.96	104	409114	20.88	ug/l	100
71) Bromoform	12.13	173	109586	19.28	ug/l #	98
73) Isopropylbenzene	12.25	105	671479	21.63	ug/l	100
74) N-amyl acetate	12.07	43	190262	20.13	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	180649	19.42	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	212729	27.75	ug/l #	100
77) Bromobenzene	12.53	156	177390	20.69	ug/l	98
78) n-propylbenzene	12.59	91	766004	21.70	ug/l	100
79) 2-Chlorotoluene	12.67	91	463469	21.39	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	551759	22.17	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42839	17.47	ug/l	96
82) 4-Chlorotoluene	12.77	91	468718	21.56	ug/l	100
83) tert-Butylbenzene	12.99	119	467352	21.39	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	565318	22.43	ug/l	100
85) sec-Butylbenzene	13.17	105	627142	21.72	ug/l	100
86) p-Isopropyltoluene	13.29	119	532483	21.63	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	306621	20.53	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	298074	19.90	ug/l	99
89) n-Butylbenzene	13.62	91	415078	20.42	ug/l	99
90) Hexachloroethane	13.87	117	104384	18.89	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	299345	20.38	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27958	19.45	ug/l	96

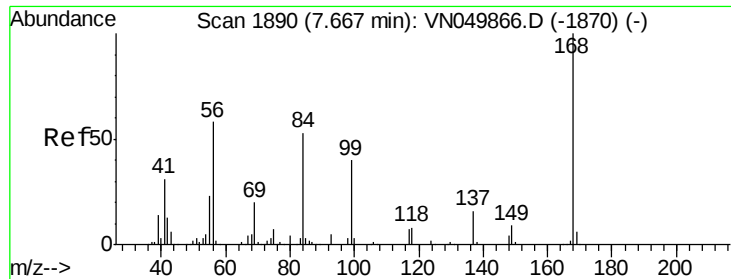
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Quant Title : SW846 8260
QLast Update : Wed Jul 18 13:09:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	137412	19.27	ug/l	99
94) Hexachlorobutadiene	15.01	225	91740	19.06	ug/l	98
95) Naphthalene	15.13	128	291130	18.18	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	139449	19.79	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: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

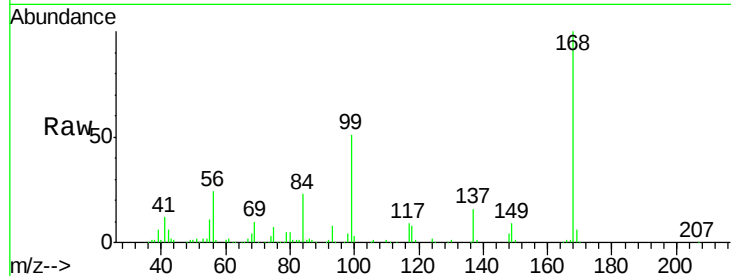
ClientSampleId :

Tot Ion:168 Resp: 604427

Ion Ratio Lower Upper

168 100

99 50.6 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

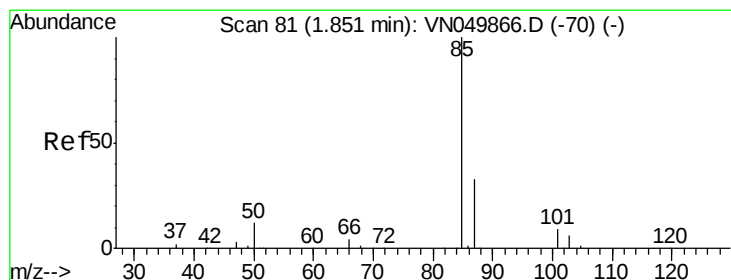
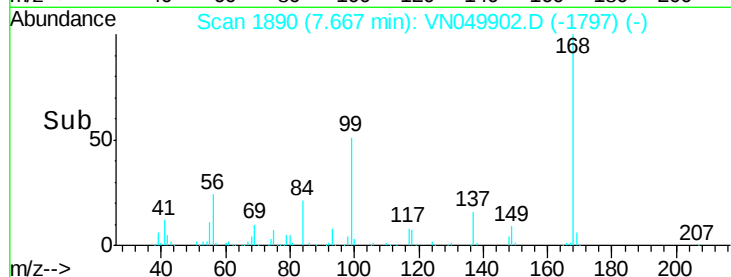
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.18 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049902.D

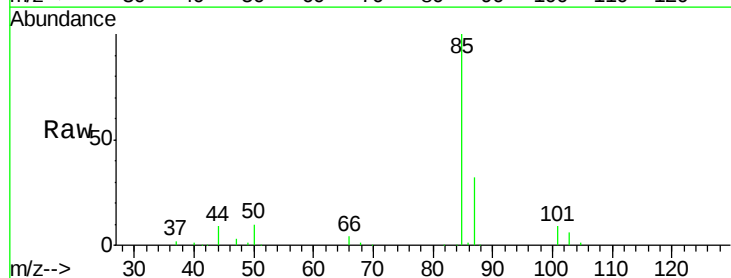
Acq: 19 Jul 2018 4:53

Tgt Ion: 85 Resp: 115966

Ion Ratio Lower Upper

85 100

87 32.4 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

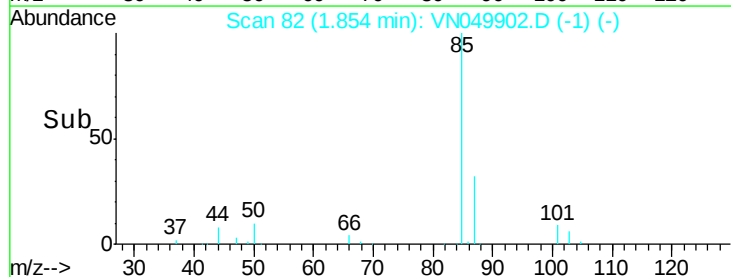
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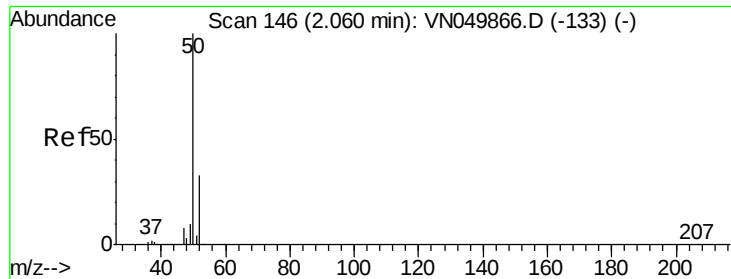
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.47 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

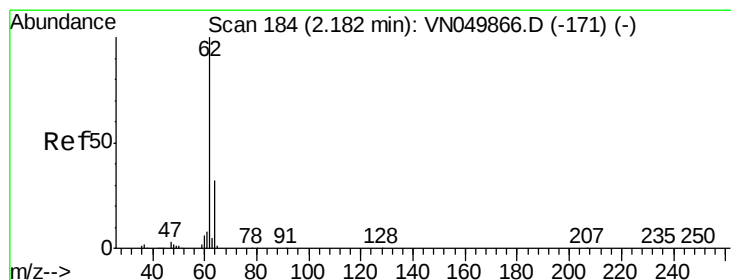
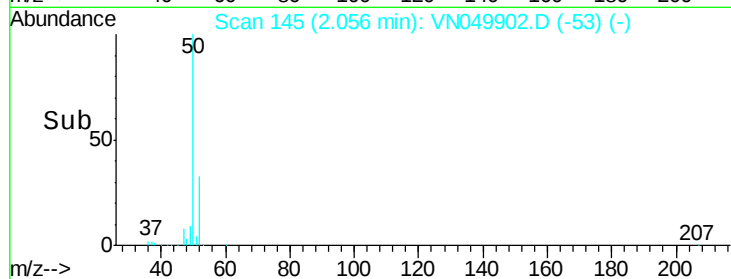
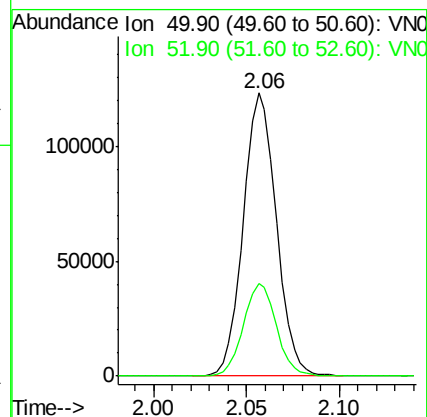
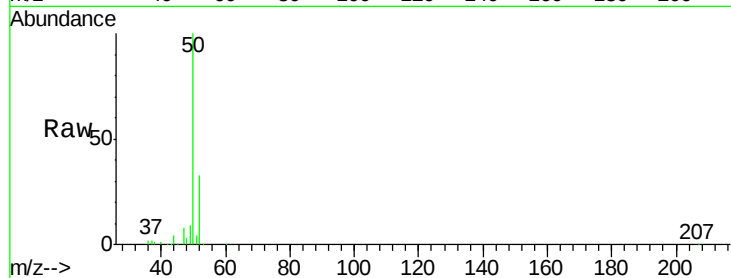
ClientSampled :

Tot Ion: 50 Resp: 152356

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 19.45 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049902.D

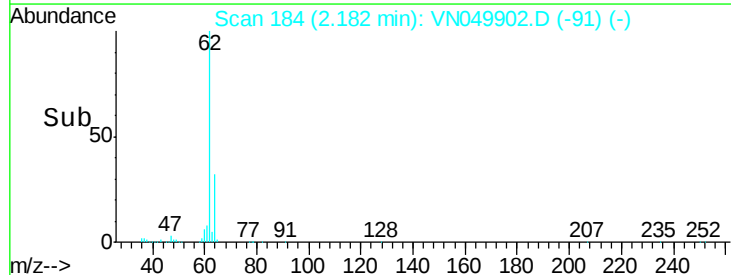
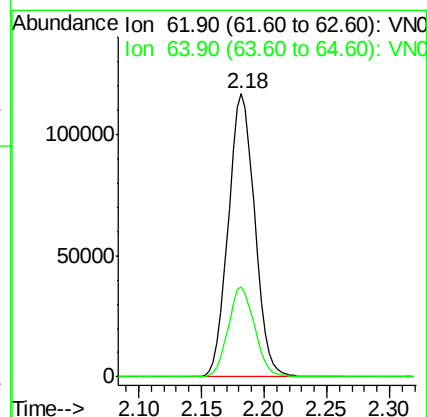
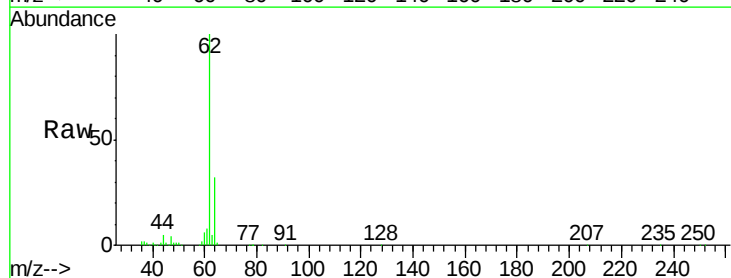
Acq: 19 Jul 2018 4:53

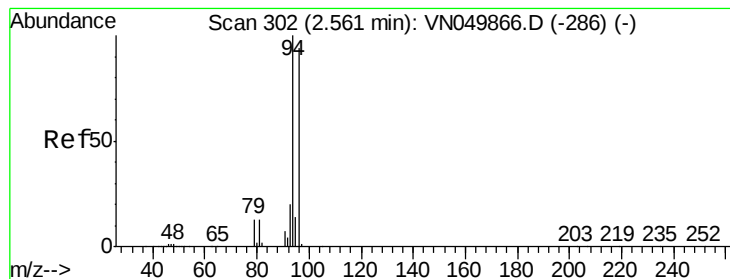
Tgt Ion: 62 Resp: 171192

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.0





#5

Bromomethane

Concen: 19.51 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

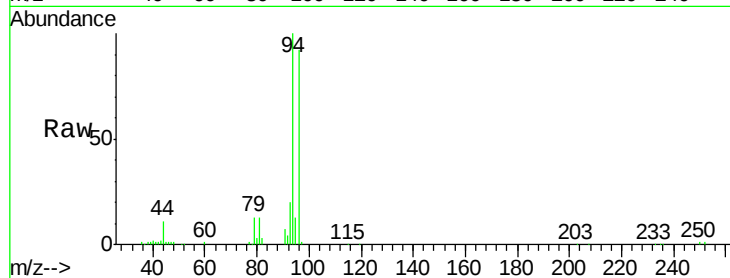
ClientSampled :

Tot Ion: 94 Resp: 101716

Ion Ratio Lower Upper

94 100

96 91.9 75.7 113.5

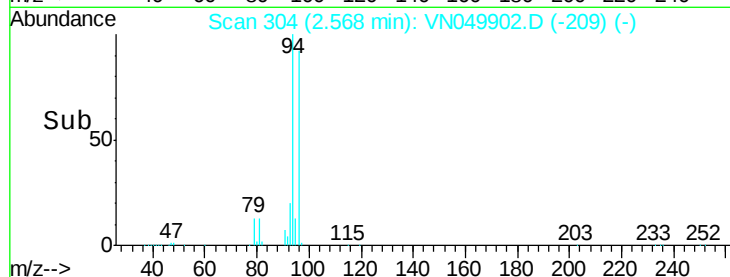


Abundance Ion 93.90 (93.60 to 94.60): VN049902.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049902.D (-209) (-)

2.57

Time-->



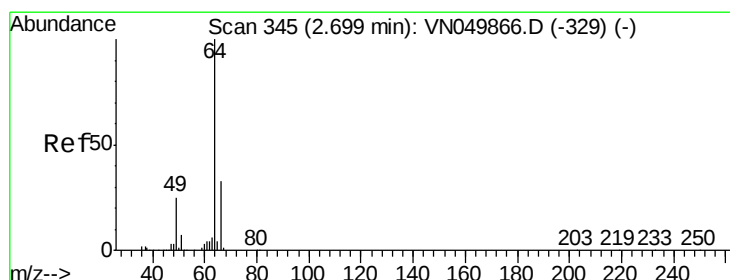
Abundance

Ion 93.90 (93.60 to 94.60): VN049902.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049902.D (-209) (-)

2.57

Time-->



#6

Chloroethane

Concen: 18.92 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049902.D

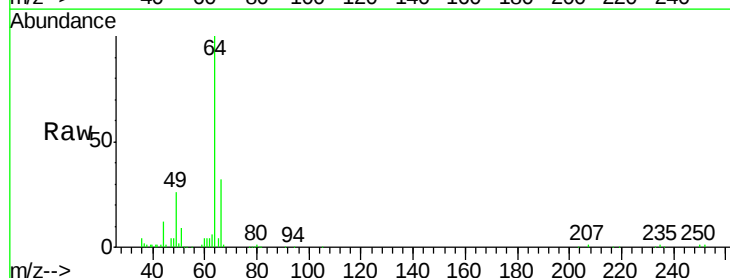
Acq: 19 Jul 2018 4:53

Tgt Ion: 64 Resp: 108752

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4

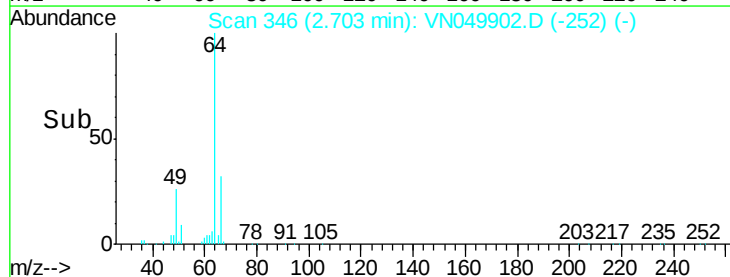


Abundance Ion 63.90 (63.60 to 64.60): VN049902.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN049902.D (-252) (-)

2.70

Time-->



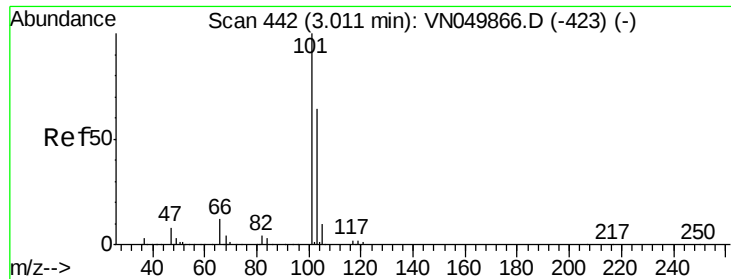
Abundance

Ion 63.90 (63.60 to 64.60): VN049902.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN049902.D (-252) (-)

2.70

Time-->



#7

Trichlorofluoromethane

Concen: 19.16 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

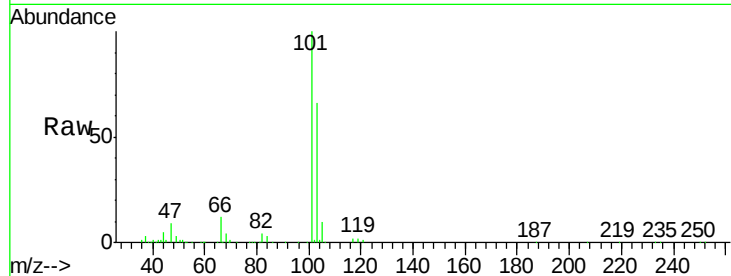
ClientSampled :

Tot Ion:101 Resp: 231723

Ion Ratio Lower Upper

101 100

103 65.8 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

120000

100000

80000

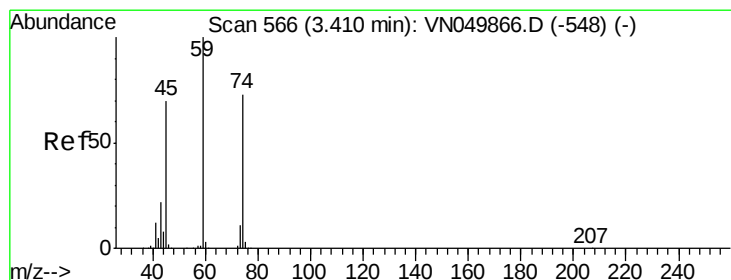
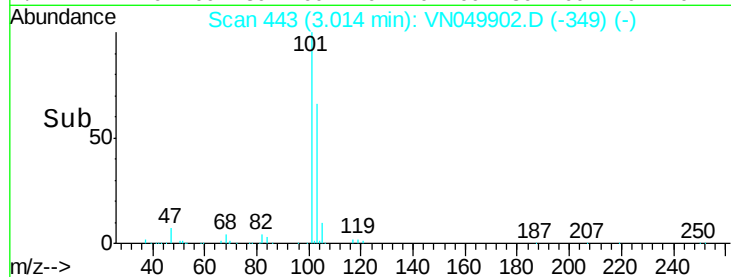
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 20.05 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049902.D

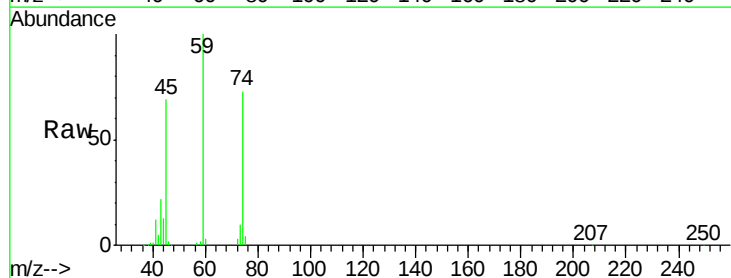
Acq: 19 Jul 2018 4:53

Tgt Ion: 74 Resp: 84599

Ion Ratio Lower Upper

74 100

45 96.8 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

40000

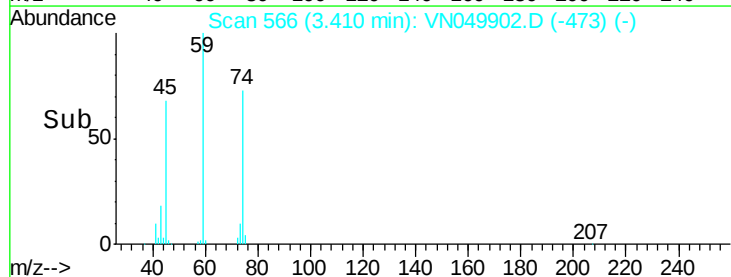
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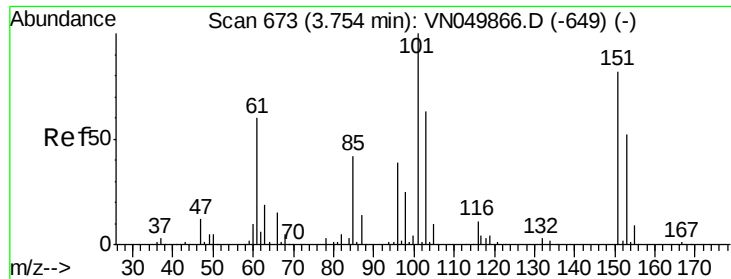
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50

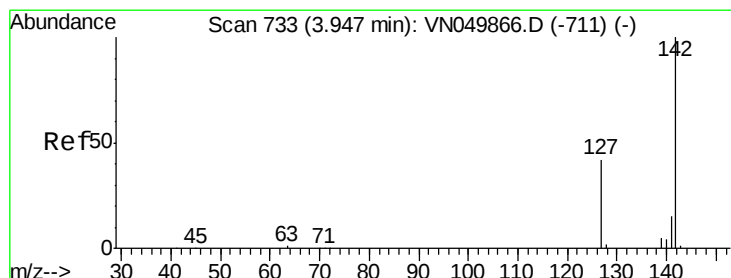
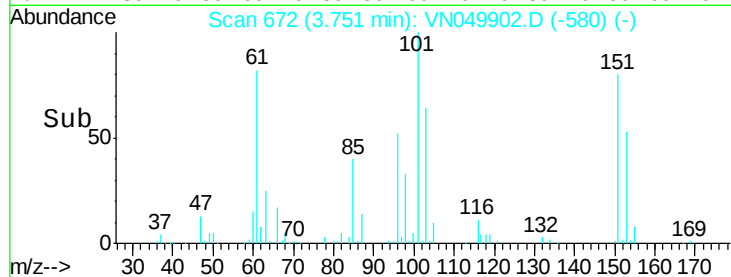
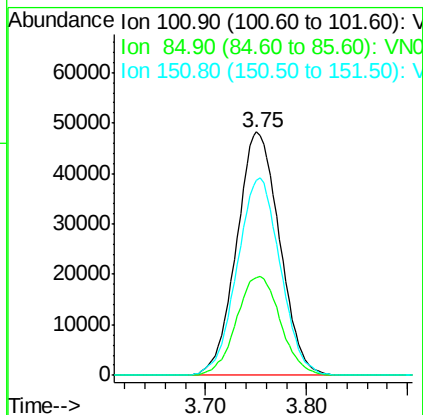
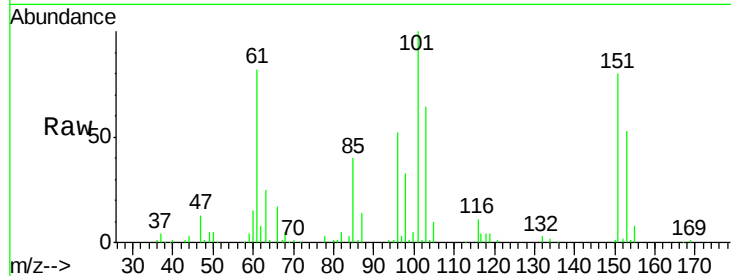




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.07 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

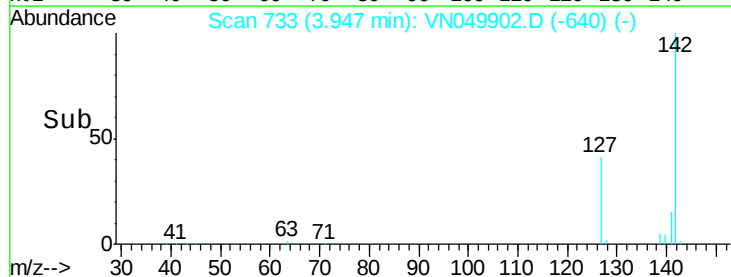
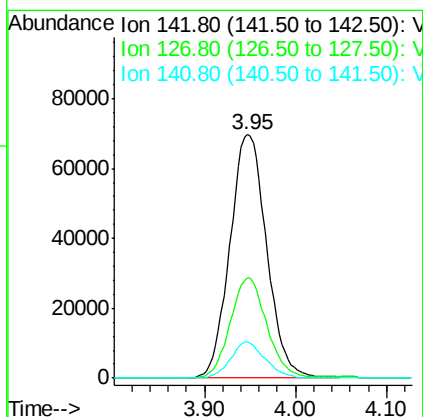
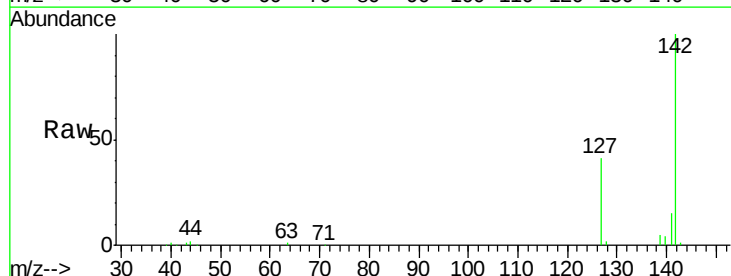
Instrument :
 MSVOA_N
 ClientSampled :

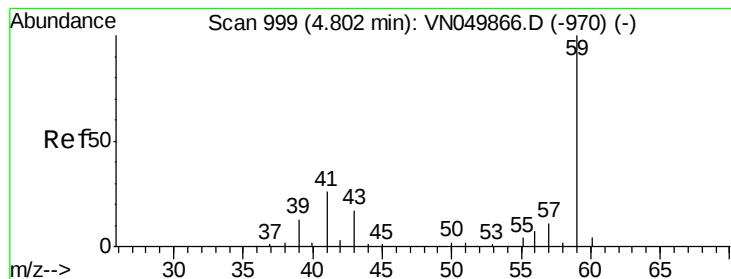
Tot Ion:101 Resp: 142237
 Ion Ratio Lower Upper
 101 100
 85 41.7 34.4 51.6
 151 81.5 66.2 99.4



#10
 Methyl Iodide
 Concen: 19.56 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

Tgt Ion:142 Resp: 195779
 Ion Ratio Lower Upper
 142 100
 127 41.1 32.5 48.7
 141 14.1 11.1 16.7



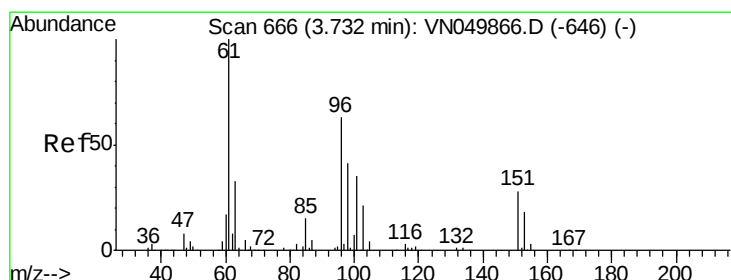
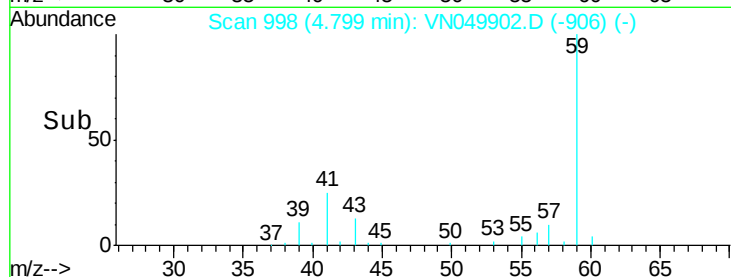
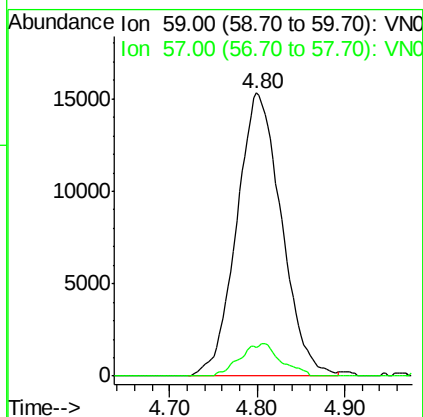
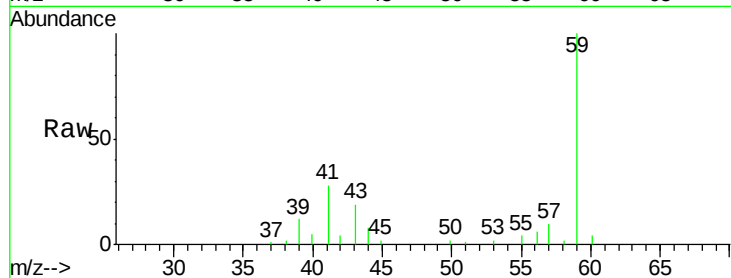


#11

Tert butyl alcohol
Concen: 91.89 ug/l
RT: 4.80 min Scan# 998
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Instrument :
MSVOA_N
ClientSampleId :

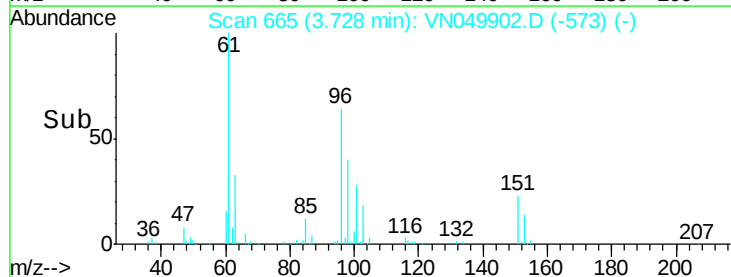
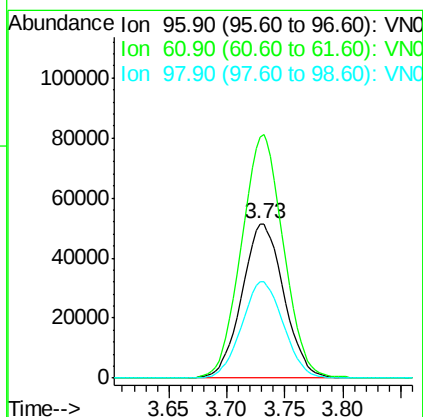
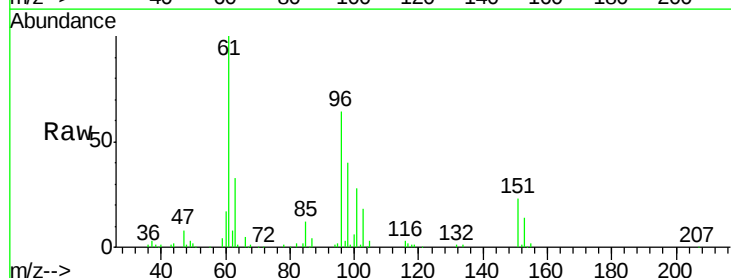
Tot Ion: 59 Resp: 54382
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

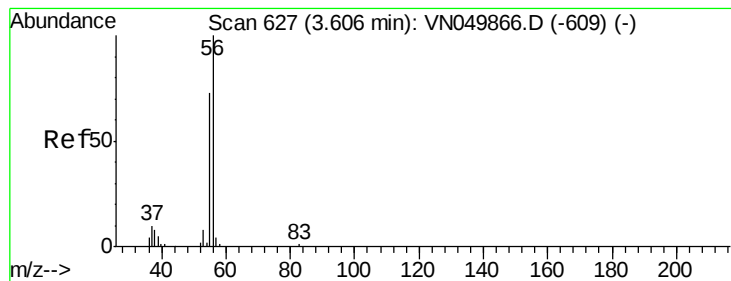


#12

1,1-Dichloroethene
Concen: 19.74 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 96 Resp: 129337
Ion Ratio Lower Upper
96 100
61 155.8 126.5 189.7
98 62.0 51.0 76.6





#13

Acrolein

Concen: 87.39 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

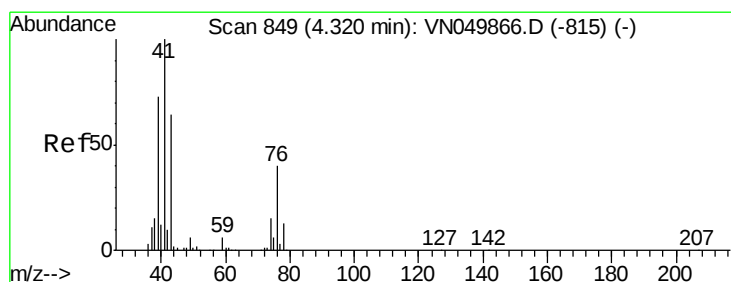
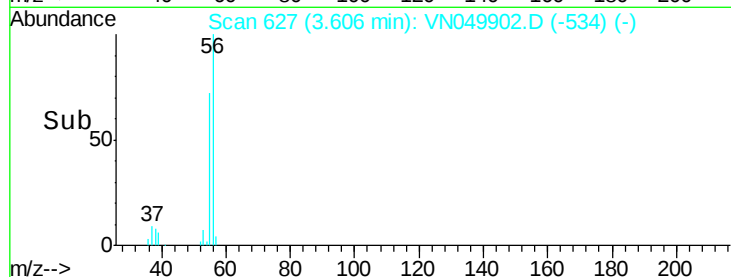
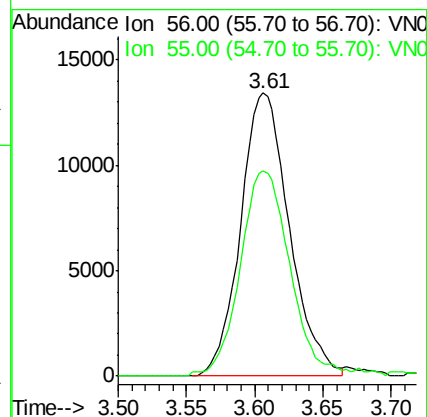
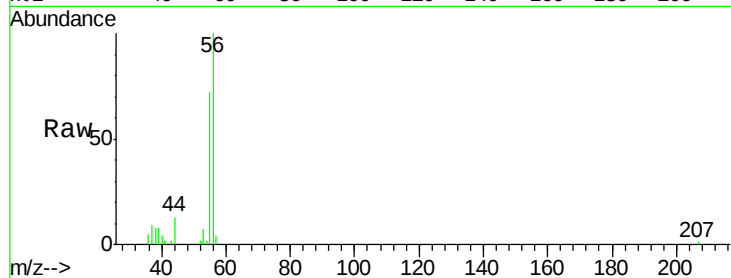
ClientSampled :

Tot Ion: 56 Resp: 33329

Ion Ratio Lower Upper

56 100

55 73.8 55.8 83.8



#14

Allyl chloride

Concen: 19.46 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

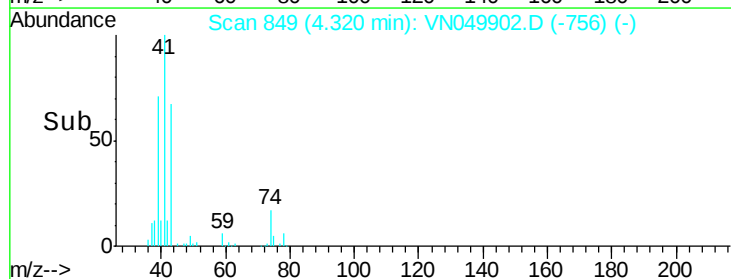
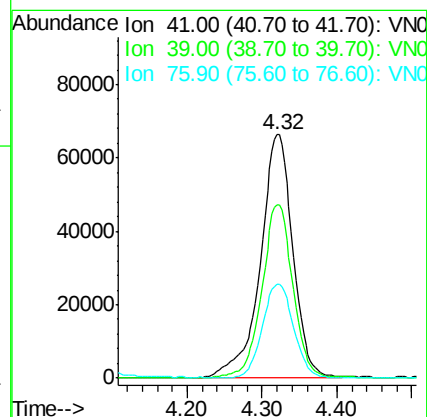
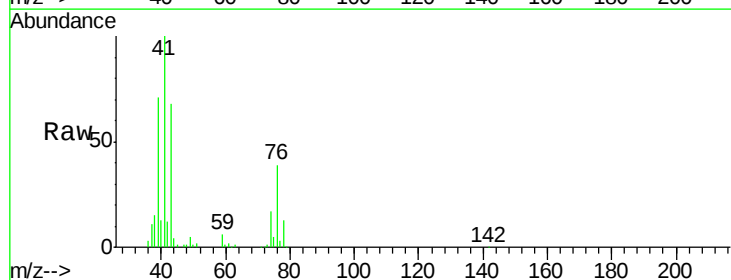
Tgt Ion: 41 Resp: 201037

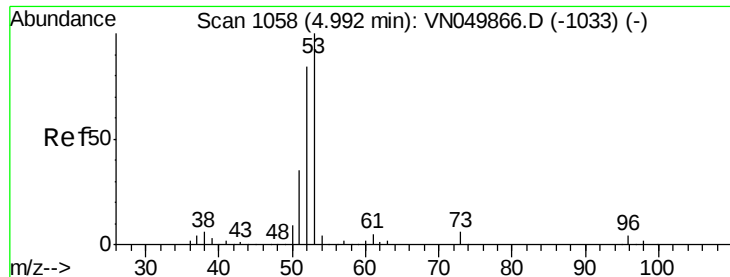
Ion Ratio Lower Upper

41 100

39 67.8 53.2 79.8

76 37.1 29.0 43.6





#15

Acrylonitrile

Concen: 96.79 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :
MSVOA_N
ClientSampleId :

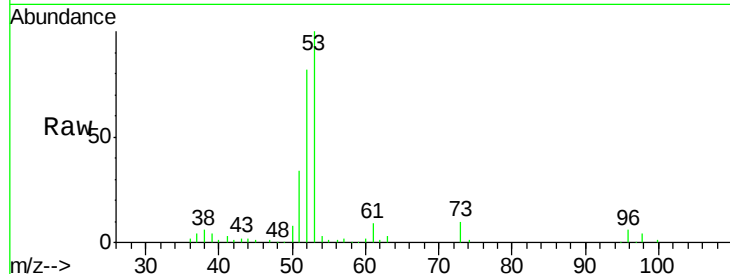
Tot Ion: 53 Resp: 251941

Ion Ratio Lower Upper

53 100

52 82.5 64.8 97.2

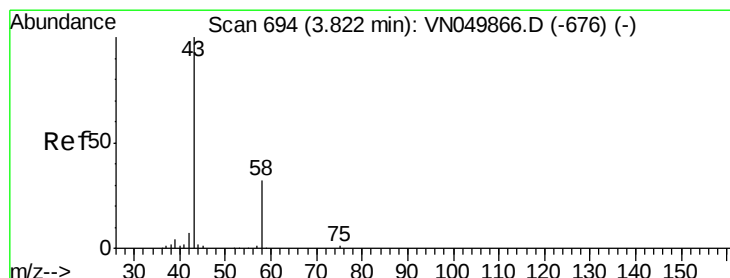
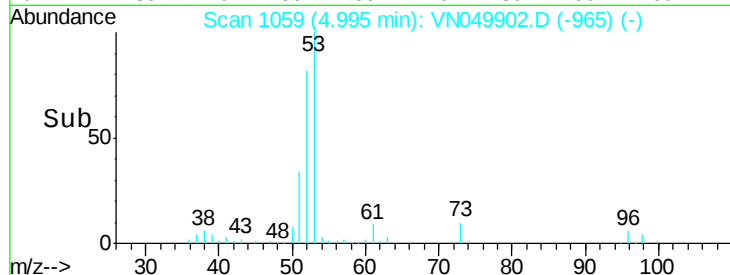
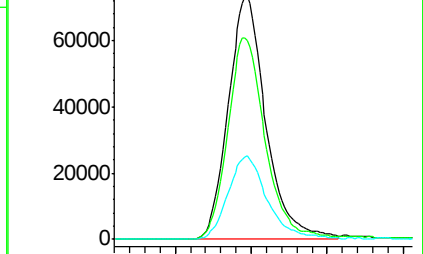
51 35.3 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049902.D (-965) (-)

Ion 52.00 (51.70 to 52.70): VN049902.D (-965) (-)

Ion 51.00 (50.70 to 51.70): VN049902.D (-965) (-)



#16

Acetone

Concen: 87.35 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN049902.D

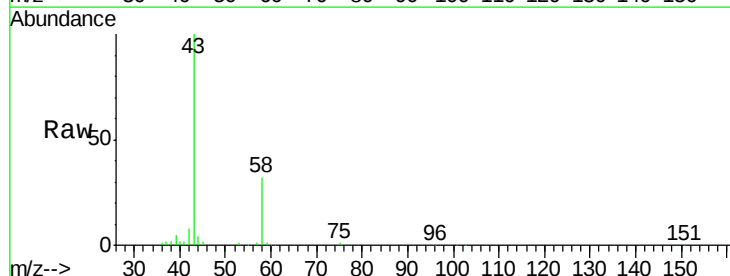
Acq: 19 Jul 2018 4:53

Tgt Ion: 43 Resp: 187876

Ion Ratio Lower Upper

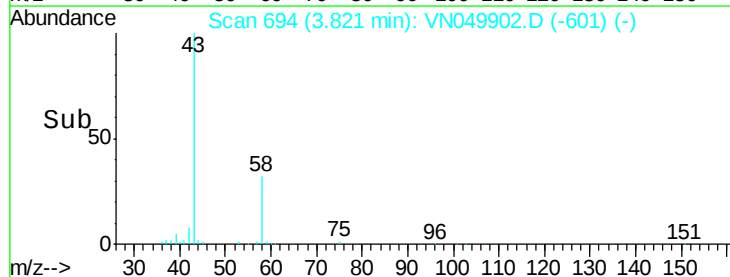
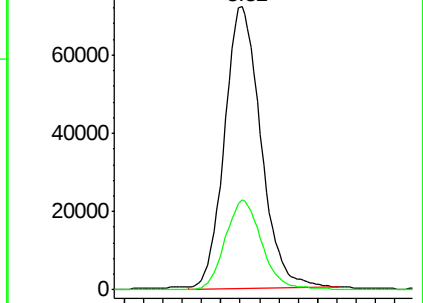
43 100

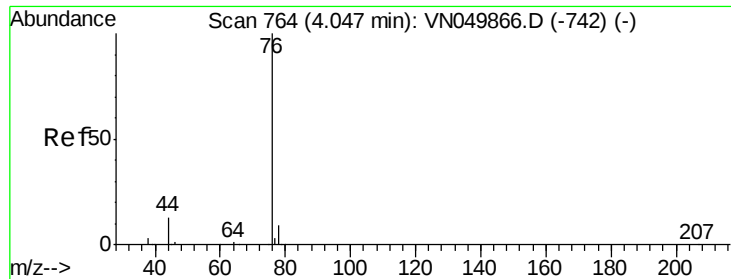
58 31.9 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049902.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN049902.D (-601) (-)

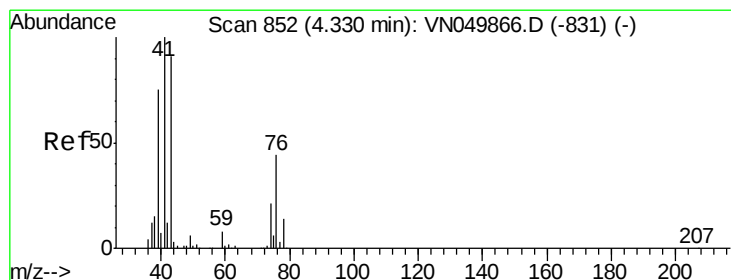
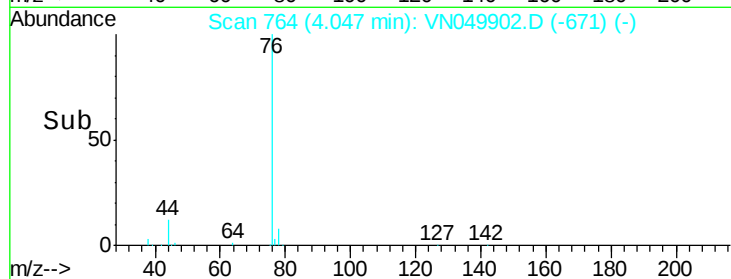
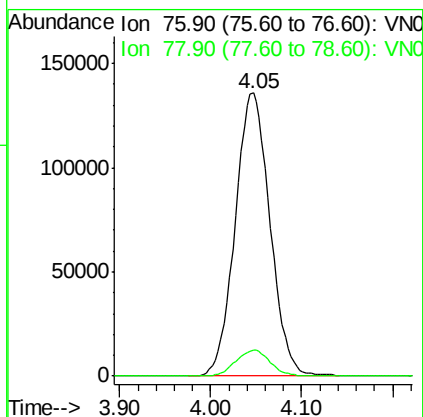
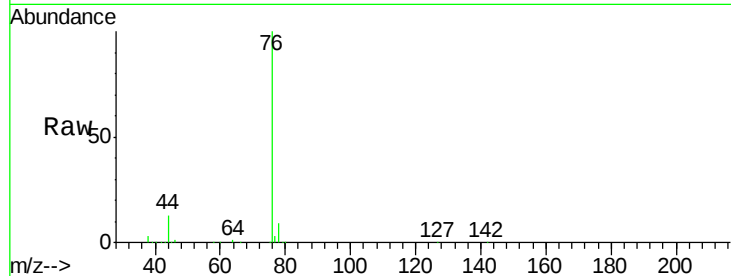




#17
Carbon Disulfide
Concen: 18.37 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

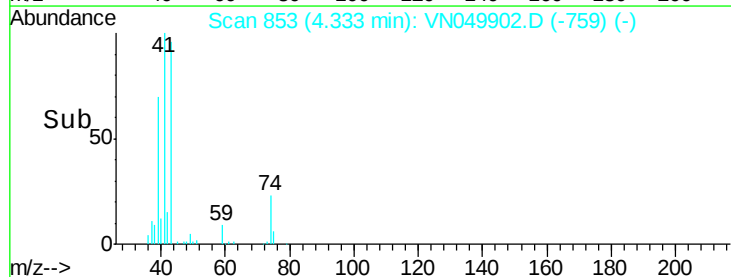
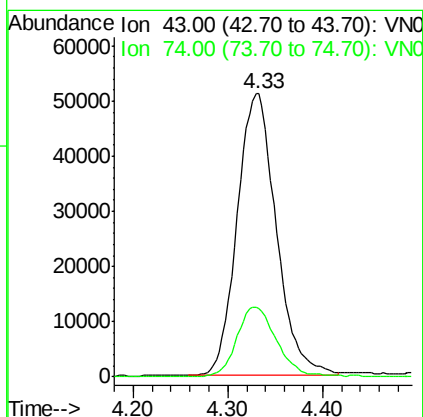
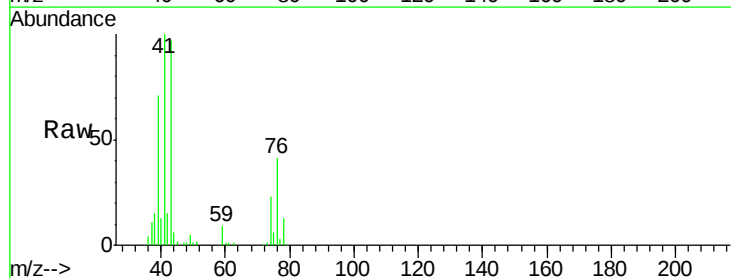
Instrument :
MSVOA_N
ClientSampled :

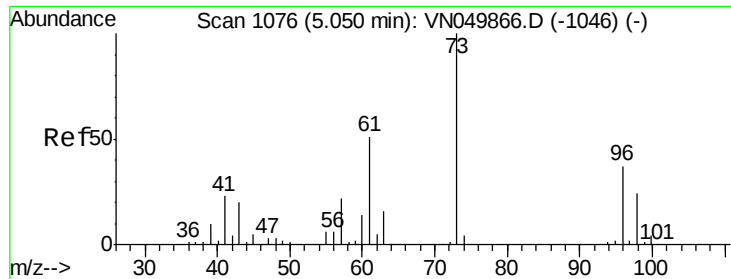
Tot Ion: 76 Resp: 360127
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 21.28 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 43 Resp: 147014
Ion Ratio Lower Upper
43 100
74 25.2 19.8 29.8

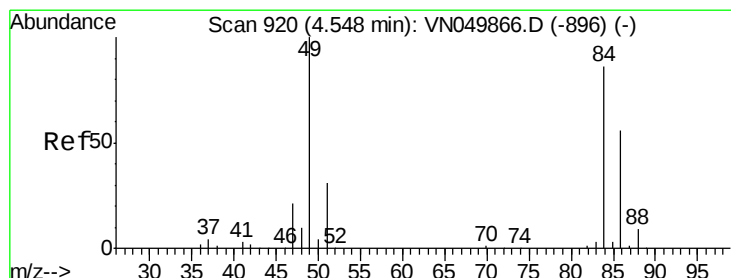
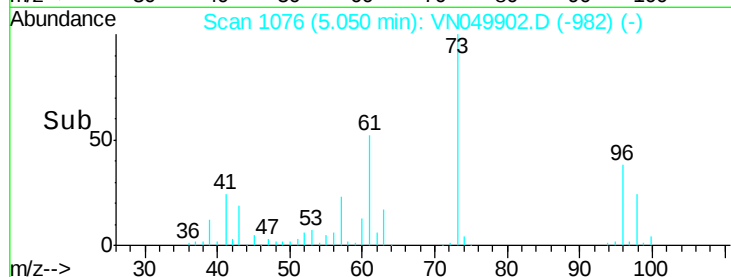
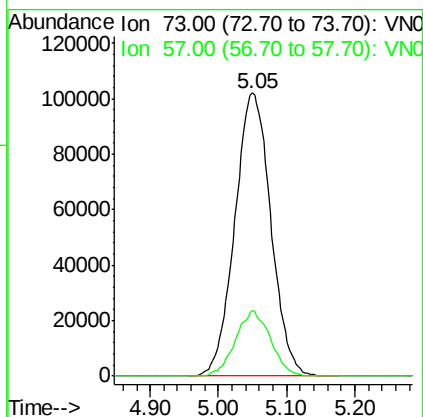
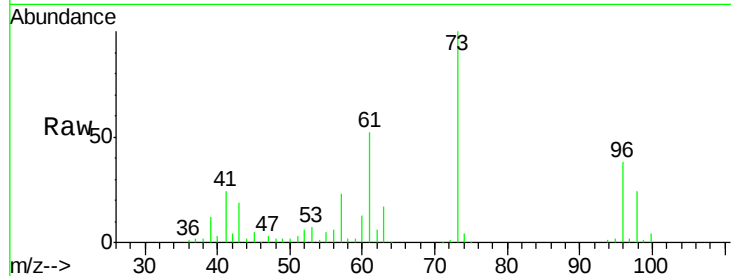




#19
Methyl tert-butyl Ether
Concen: 20.75 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

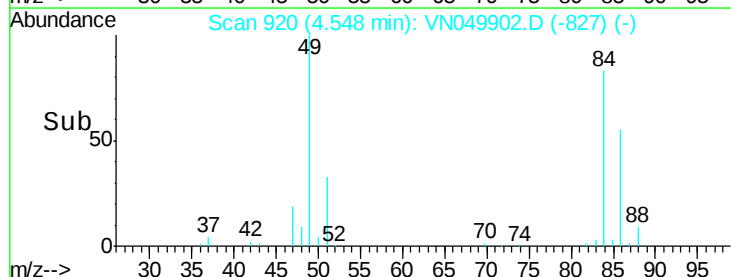
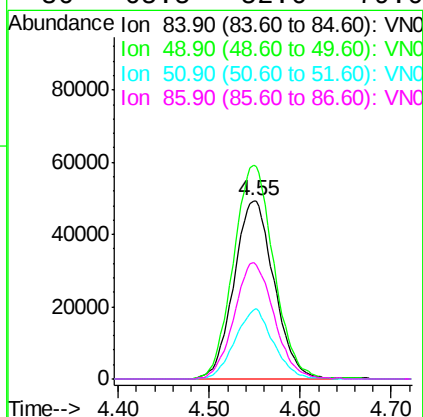
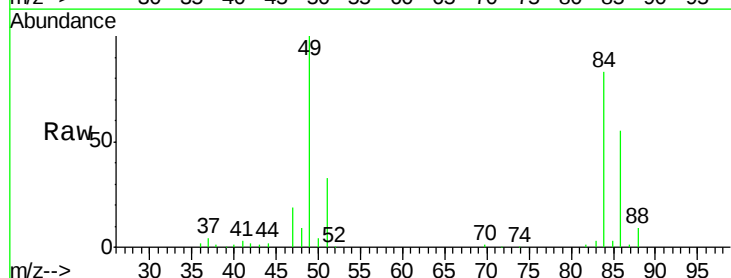
Instrument :
MSVOA_N
ClientSampled :

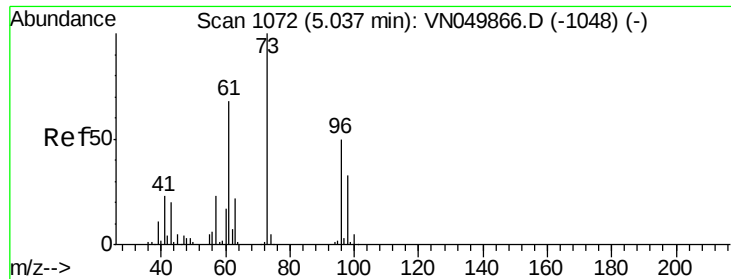
Tot Ion: 73 Resp: 374146
Ion Ratio Lower Upper
73 100
57 23.2 18.1 27.1



#20
Methylene Chloride
Concen: 18.53 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 84 Resp: 151579
Ion Ratio Lower Upper
84 100
49 120.0 95.4 143.2
51 39.0 28.4 42.6
86 65.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.95 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :
MSVOA_N
ClientSampleId :

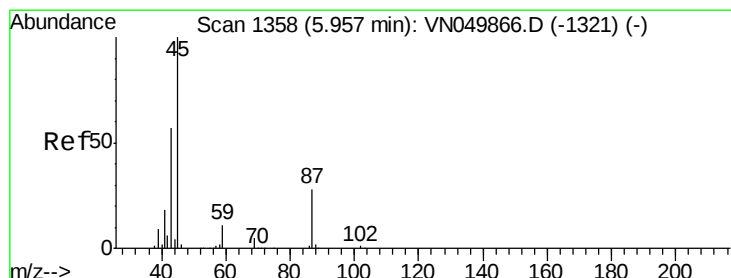
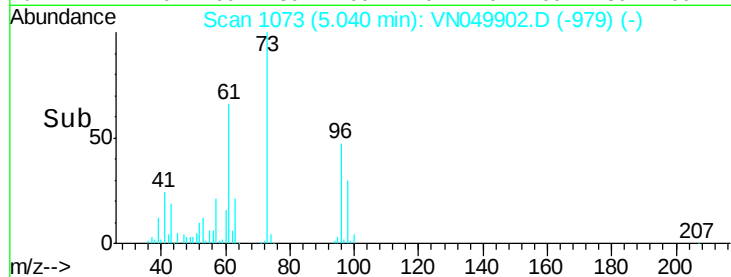
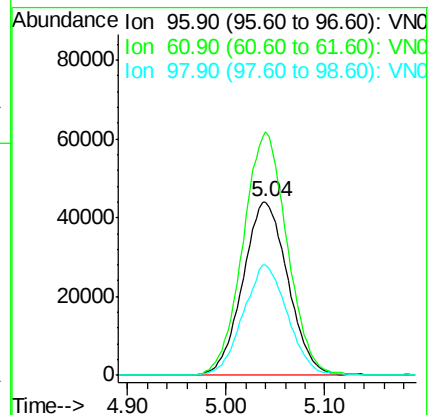
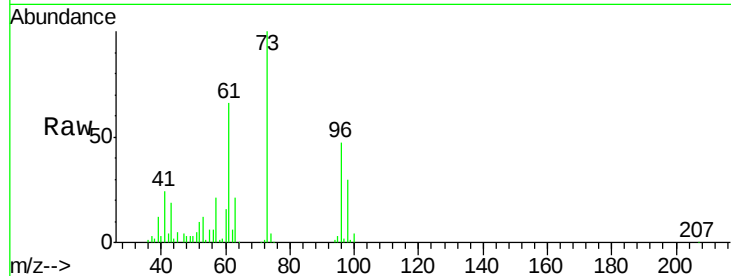
Tot Ion: 96 Resp: 138829

Ion Ratio Lower Upper

96 100

61 140.1 109.0 163.6

98 64.1 51.1 76.7



#22

Diisopropyl ether

Concen: 21.36 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Tgt Ion: 45 Resp: 450203

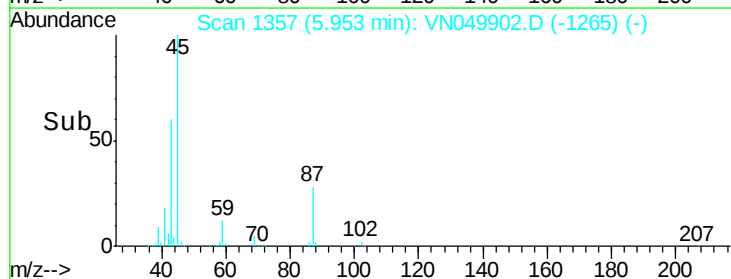
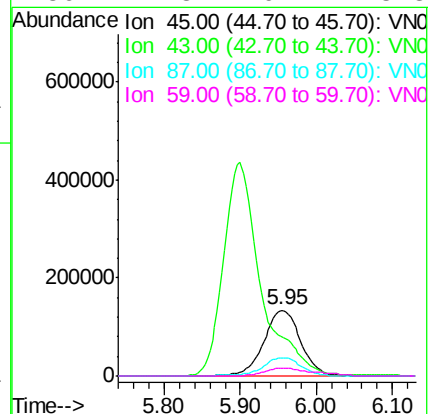
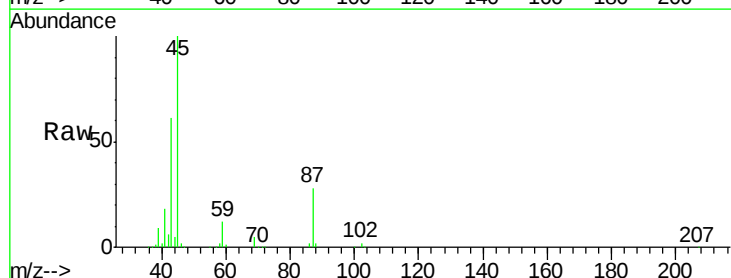
Ion Ratio Lower Upper

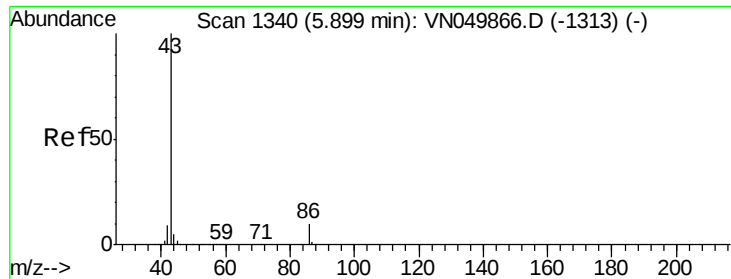
45 100

43 58.9 48.1 72.1

87 27.8 22.6 34.0

59 11.8 9.2 13.8

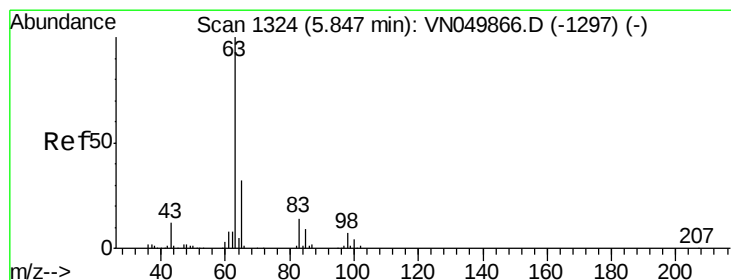
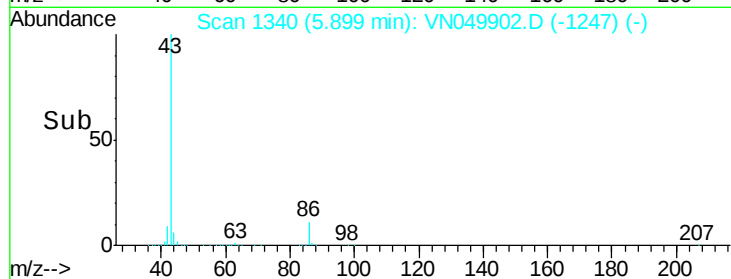
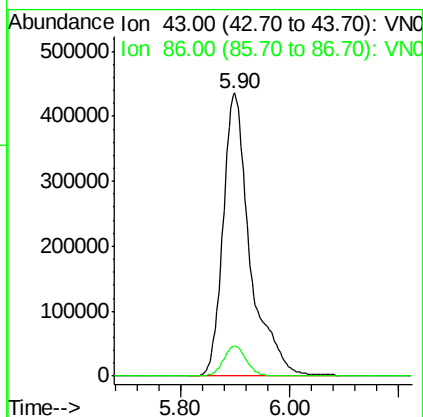
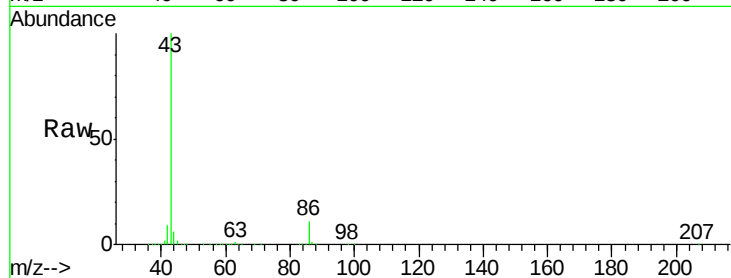




#23
 Vinyl Acetate
 Concen: 100.94 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

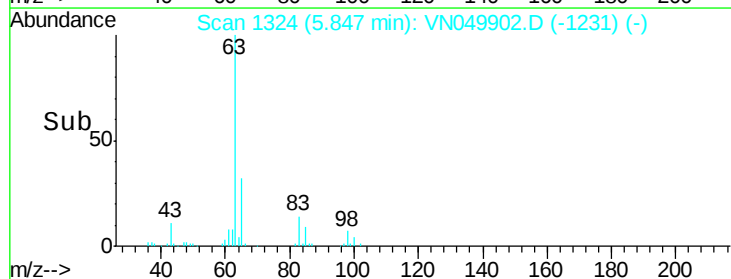
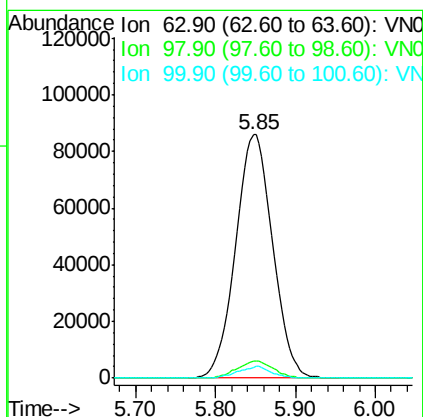
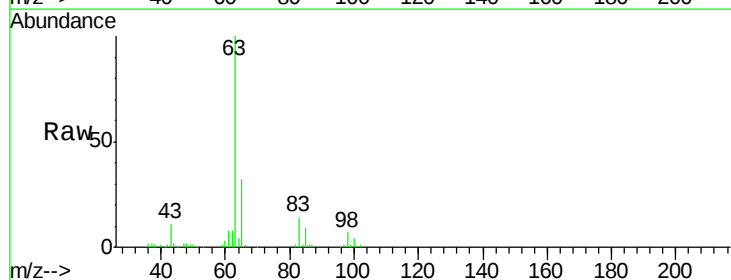
Instrument :
 MSVOA_N
 ClientSampleId :

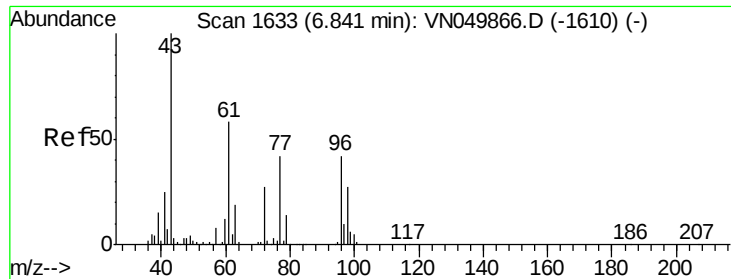
Tot Ion: 43 Resp: 1493000
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.91 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

Tgt Ion: 63 Resp: 269368
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.3 2.2 6.6

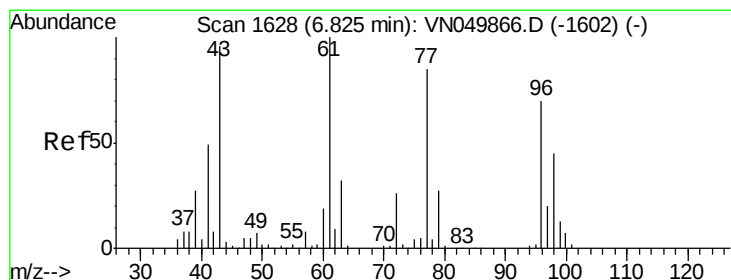
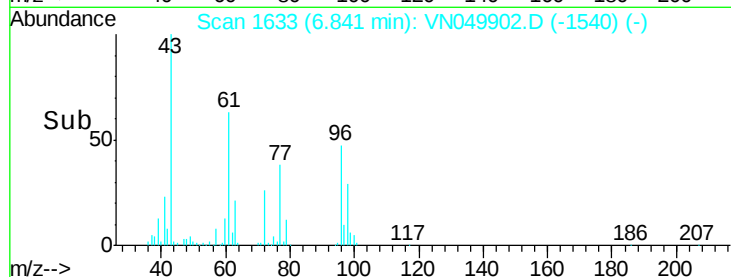
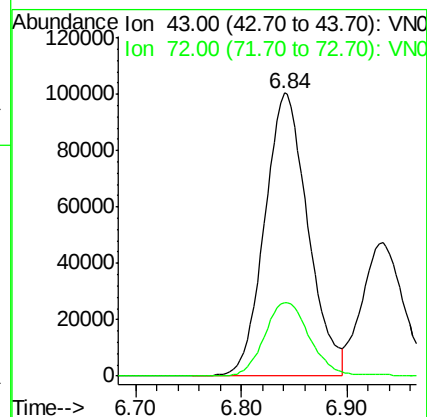
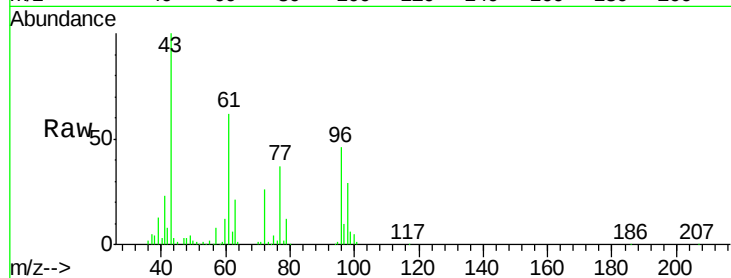




#25
2-Butanone
Concen: 93.15 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

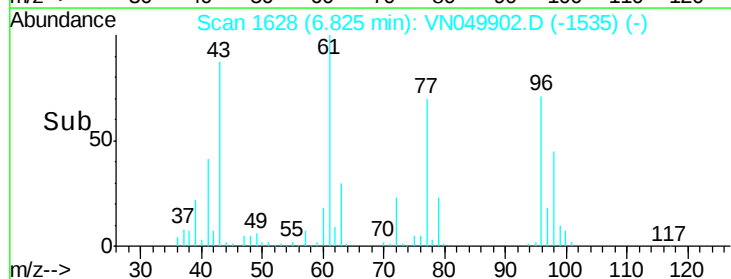
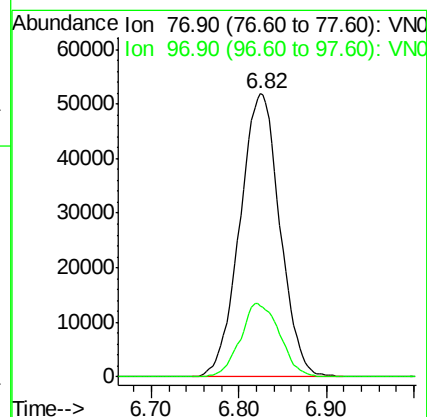
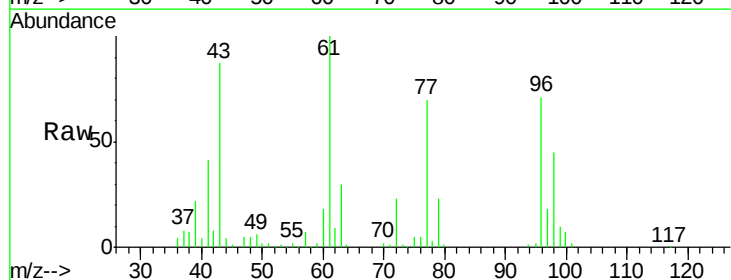
Instrument :
MSVOA_N
ClientSampled :

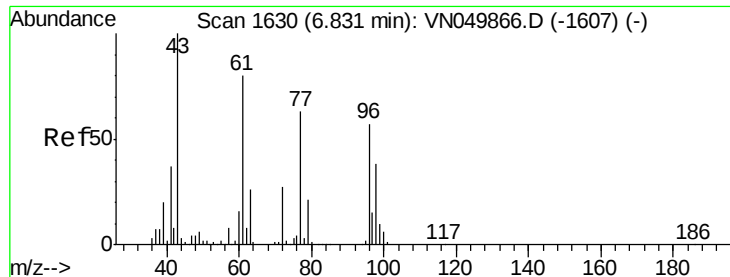
Tot Ion: 43 Resp: 286336
Ion Ratio Lower Upper
43 100
72 26.1 22.1 33.1



#26
2,2-Dichloropropane
Concen: 15.61 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 77 Resp: 164325
Ion Ratio Lower Upper
77 100
97 25.5 11.9 35.5

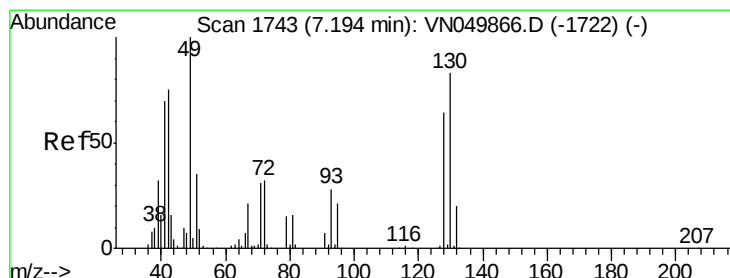
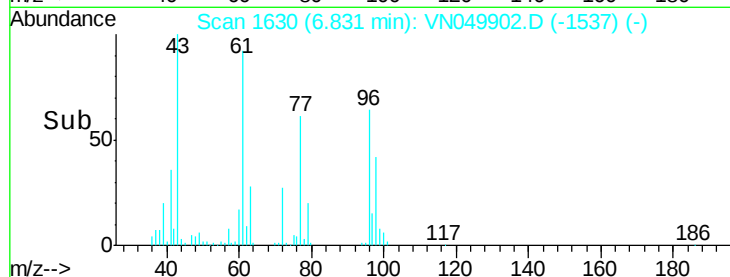
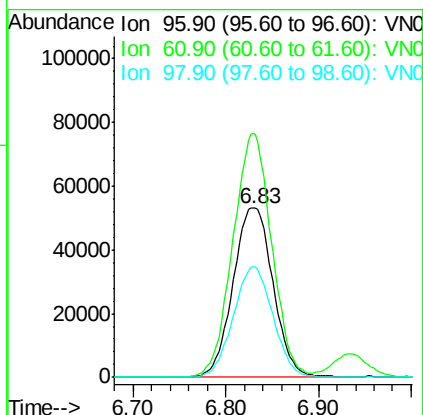
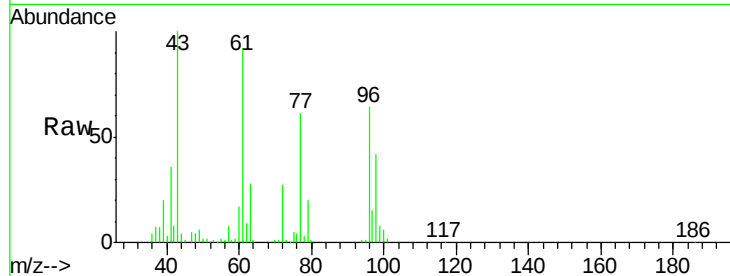




#27
 cis-1,2-Dichloroethene
 Concen: 20.87 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

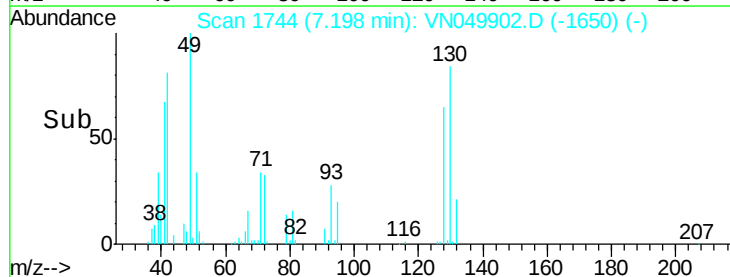
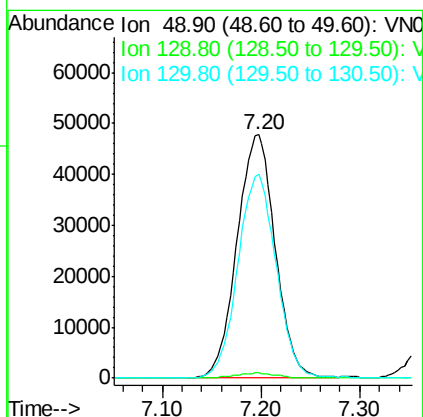
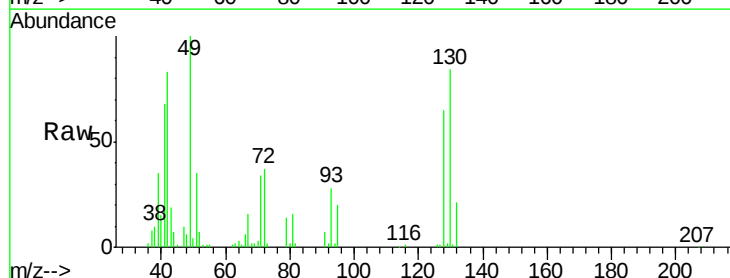
Instrument :
 MSVOA_N
 ClientSampled :

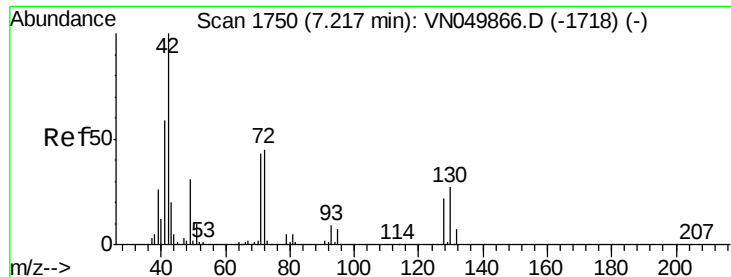
Tot Ion: 96 Resp: 159385
 Ion Ratio Lower Upper
 96 100
 61 139.4 0.0 289.0
 98 64.7 0.0 130.2



#28
 Bromochloromethane
 Concen: 20.98 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

Tgt Ion: 49 Resp: 128192
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 84.0 65.5 98.3

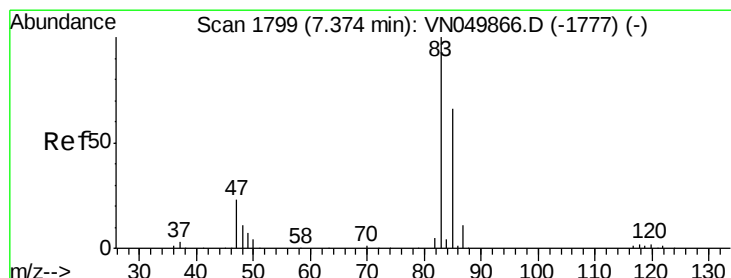
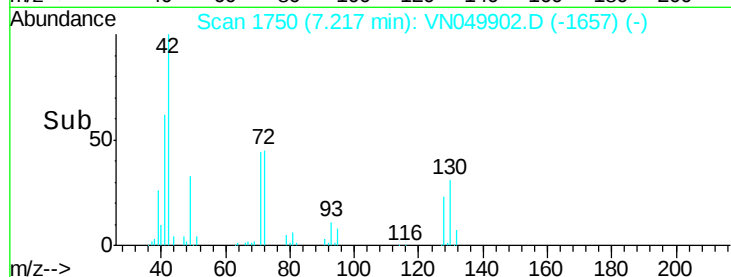
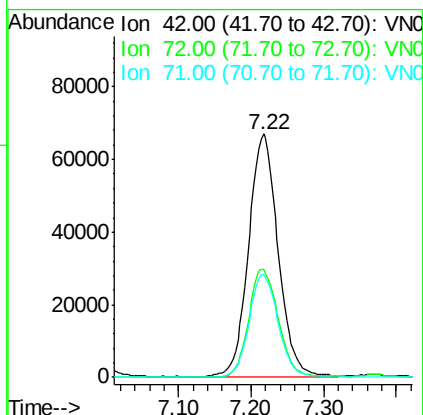
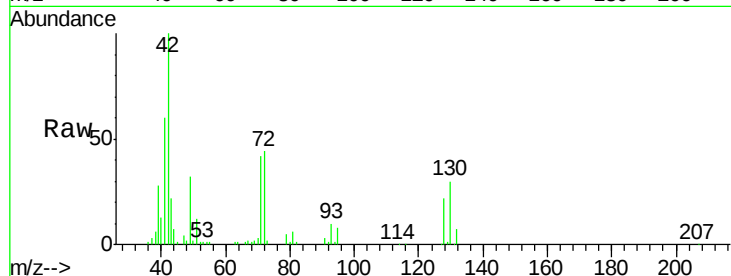




#29
Tetrahydrofuran
Concen: 98.78 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

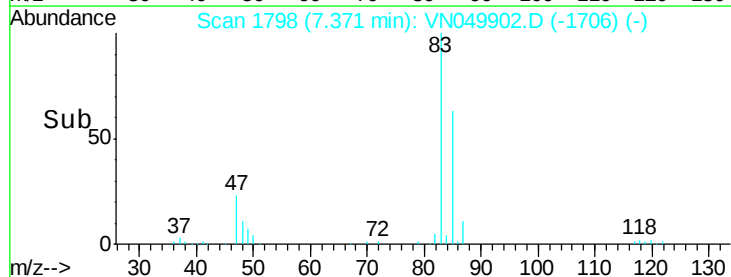
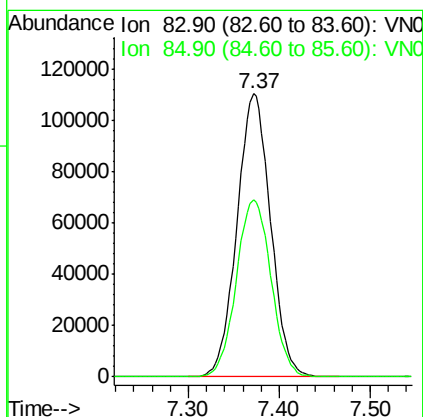
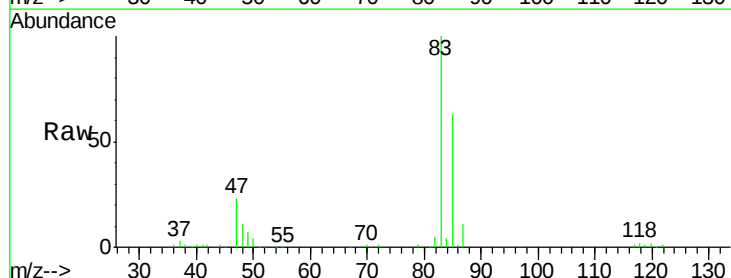
Instrument :
MSVOA_N
ClientSampleId :

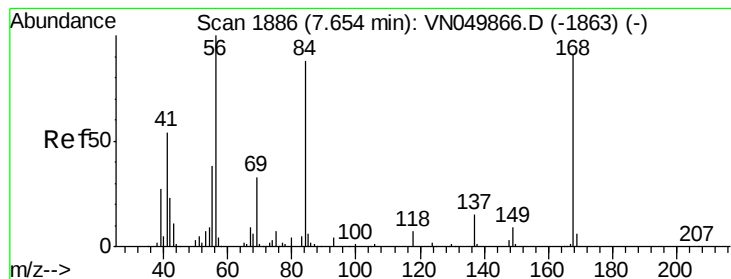
Tot Ion: 42 Resp: 191286
Ion Ratio Lower Upper
42 100
72 44.5 35.6 53.4
71 41.5 34.0 51.0



#30
Chloroform
Concen: 20.39 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 83 Resp: 283314
Ion Ratio Lower Upper
83 100
85 62.5 51.4 77.2





#31

Cyclohexane

Concen: 20.14 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

ClientSampled :

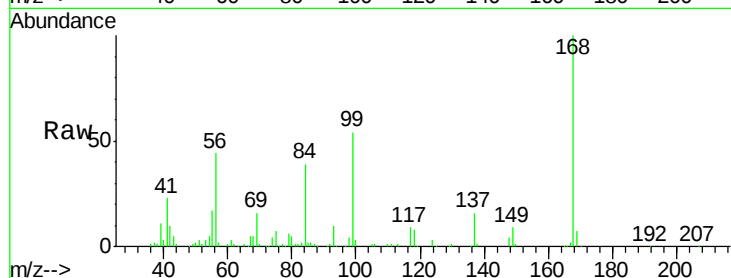
Tot Ion: 56 Resp: 221814

Ion Ratio Lower Upper

56 100

69 36.5 26.6 40.0

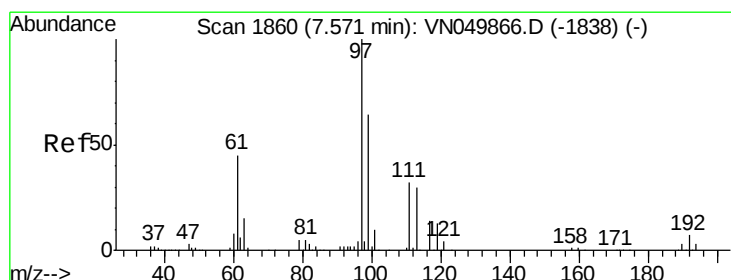
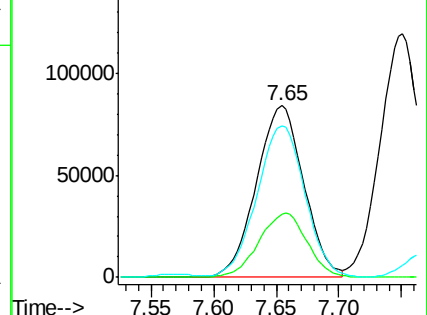
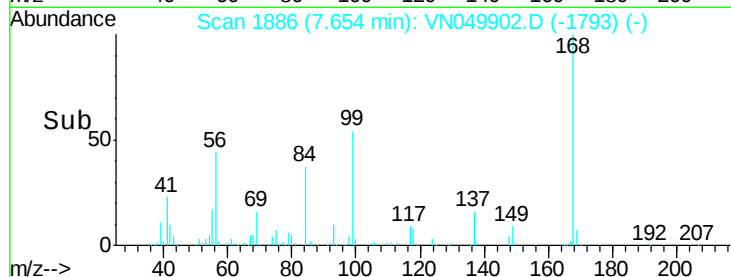
84 86.8 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VN049902.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049902.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049902.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 19.74 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

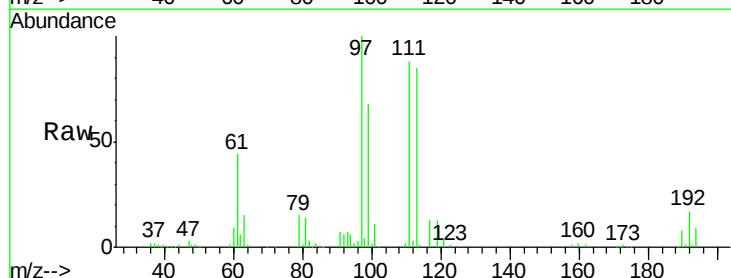
Tgt Ion: 97 Resp: 237039

Ion Ratio Lower Upper

97 100

99 65.7 51.0 76.4

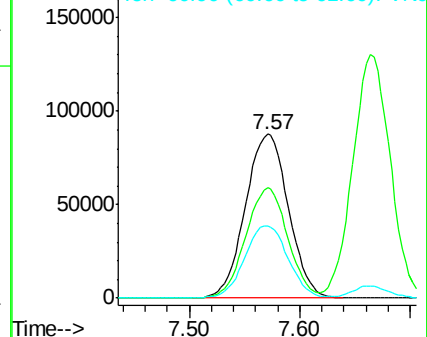
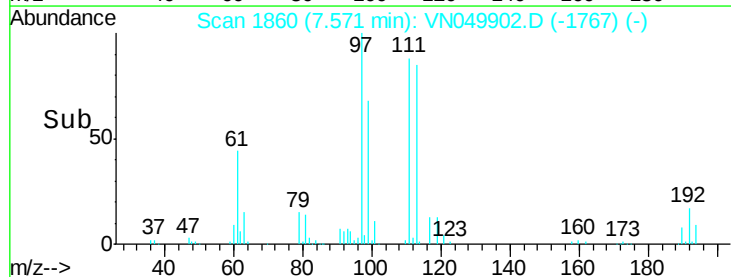
61 44.4 35.5 53.3

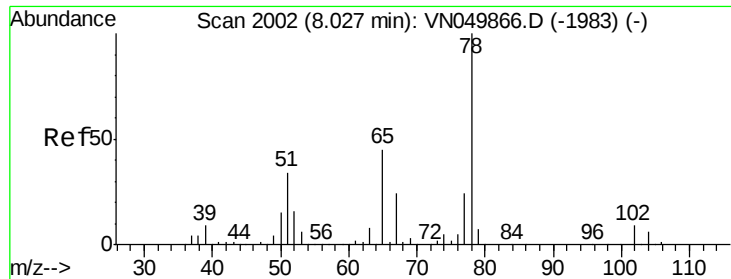


Abundance Ion 96.90 (96.60 to 97.60): VN049902.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN049902.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN049902.D (-1767) (-)

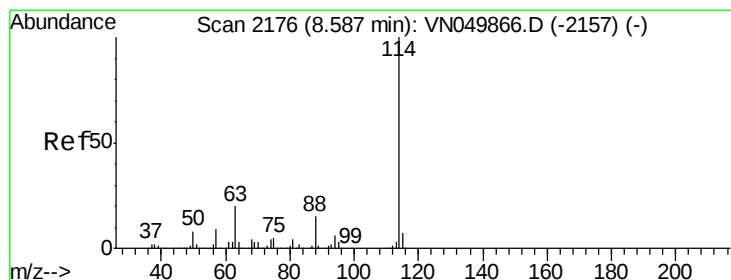
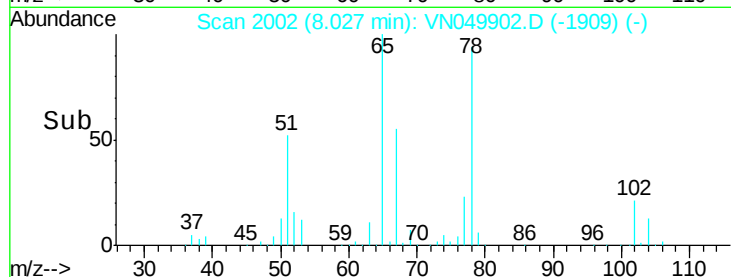
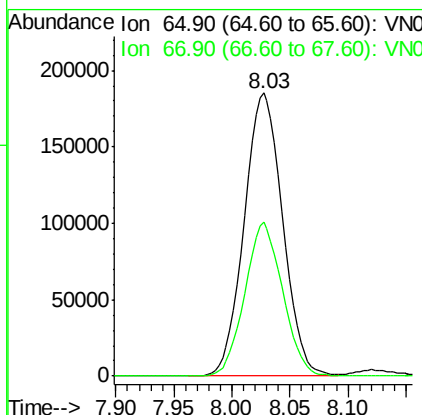
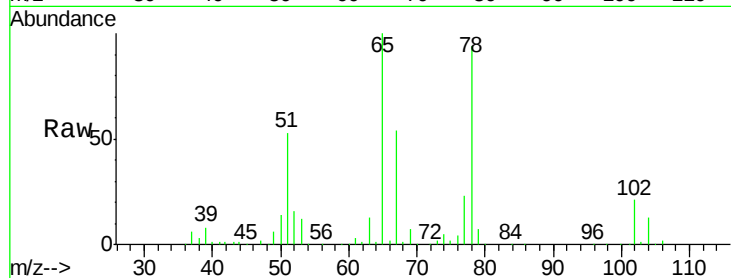




#33
 1,2-Dichloroethane-d4
 Concen: 51.71 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

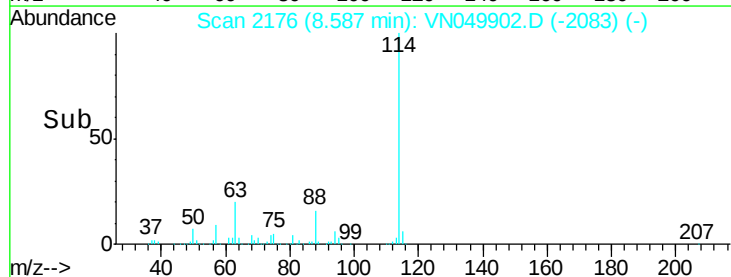
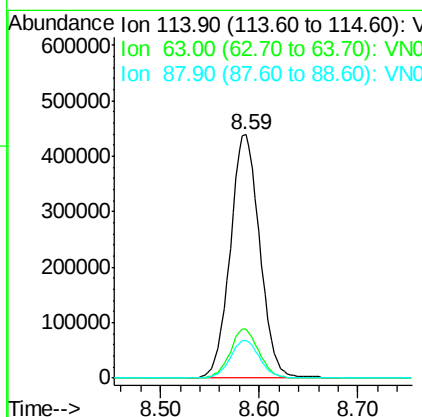
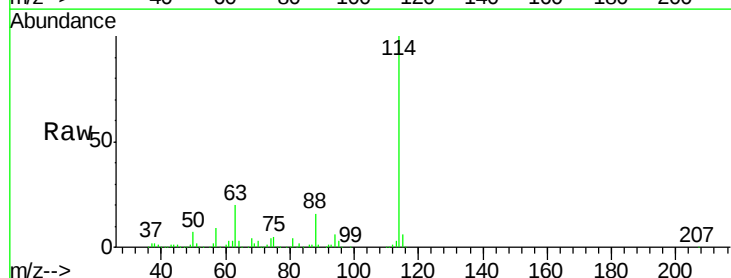
Instrument :
 MSVOA_N
 ClientSampleId :

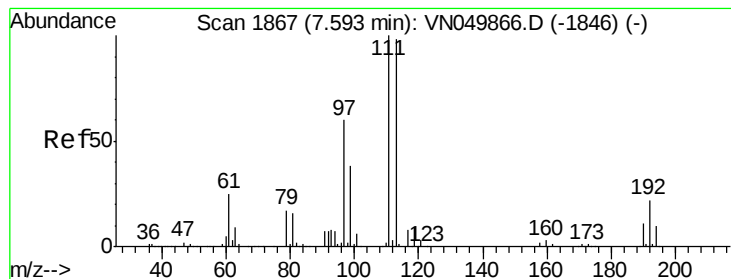
Tot Ion: 65 Resp: 429593
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

Tgt Ion: 114 Resp: 915714
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.94 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

ClientSampleId :

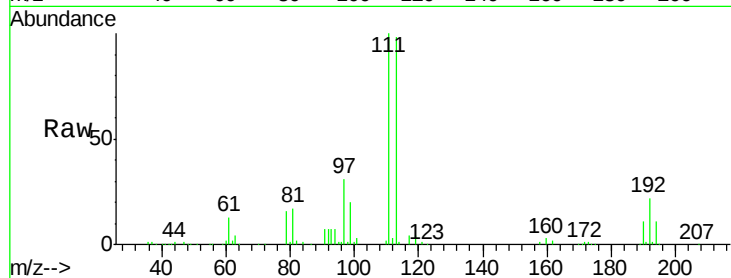
Tot Ion:113 Resp: 383936

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

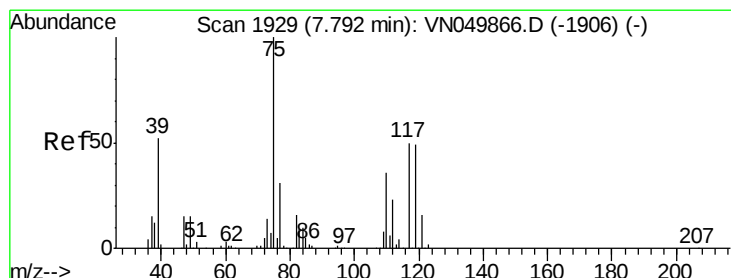
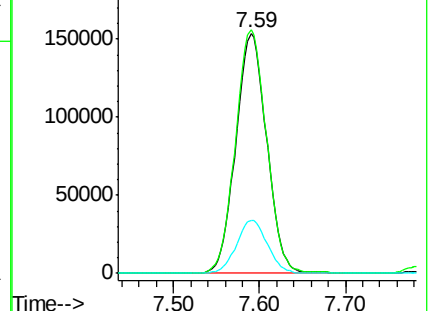
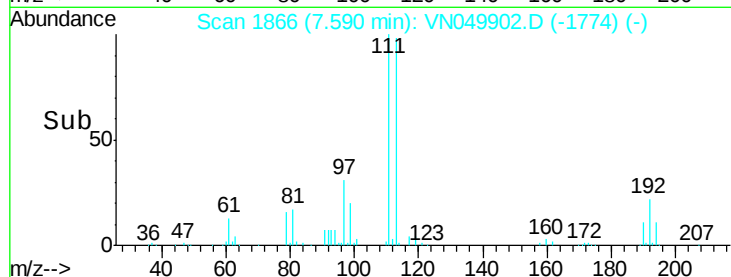
192 22.2 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.54 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

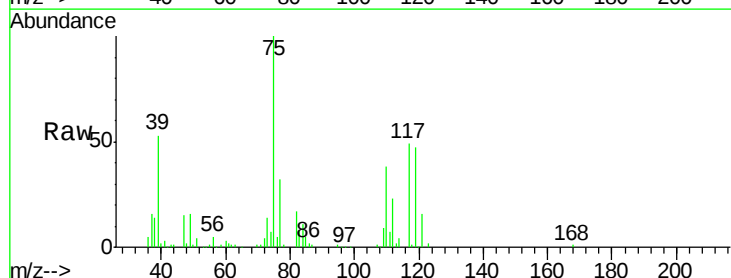
Tgt Ion: 75 Resp: 198988

Ion Ratio Lower Upper

75 100

110 36.1 18.1 54.4

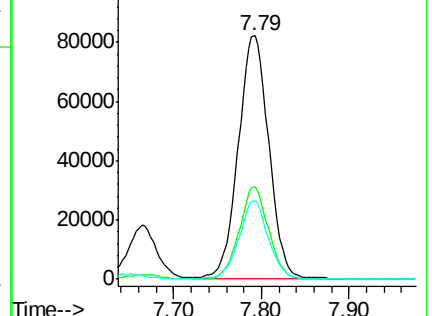
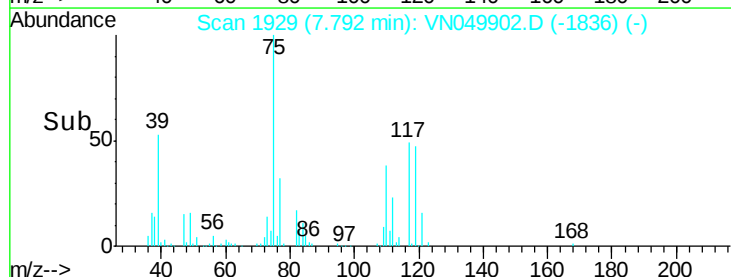
77 31.2 24.9 37.3

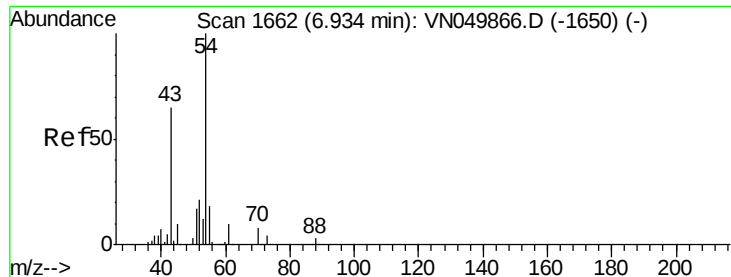


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

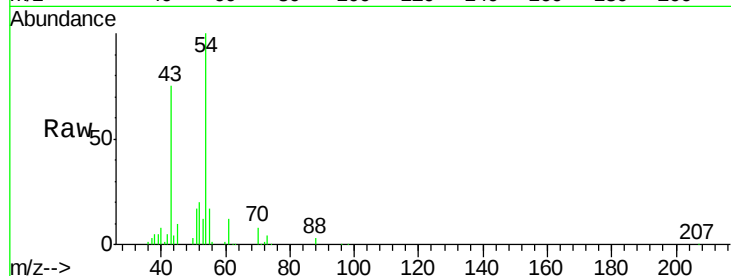




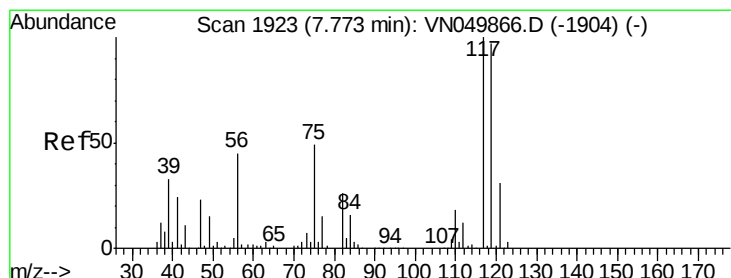
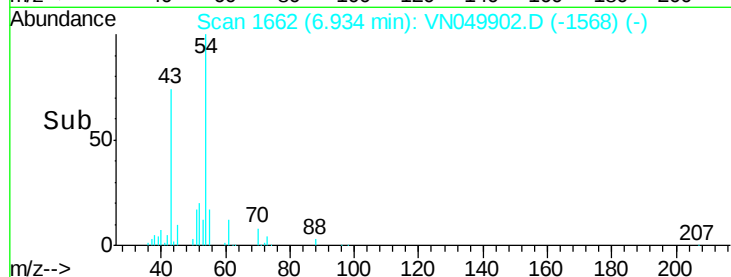
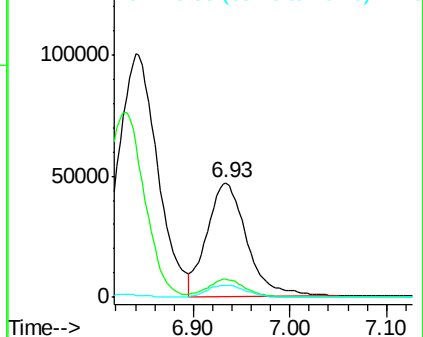
#37
Ethyl Acetate
Concen: 19.02 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 132968
Ion Ratio Lower Upper
43 100
61 14.2 11.7 17.5
70 10.7 8.4 12.6

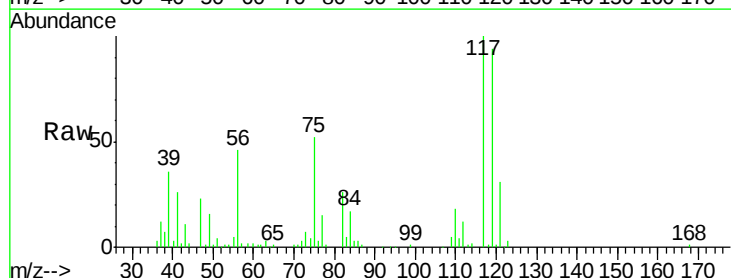


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

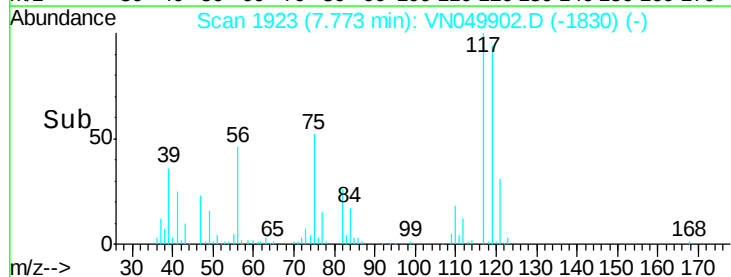
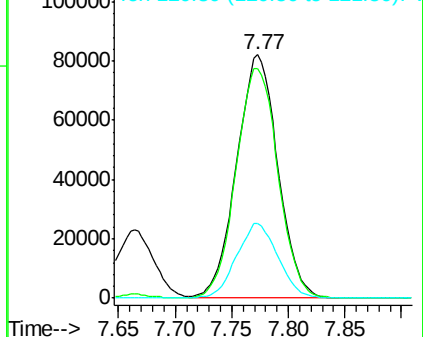


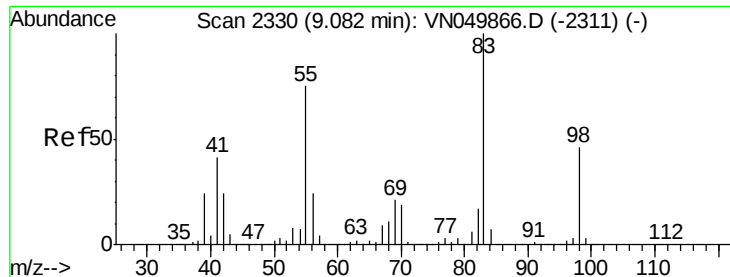
#38
Carbon Tetrachloride
Concen: 19.03 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 117 Resp: 207590
Ion Ratio Lower Upper
117 100
119 94.4 77.2 115.8
121 30.8 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

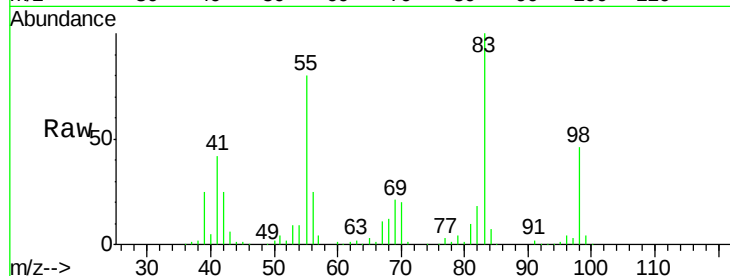




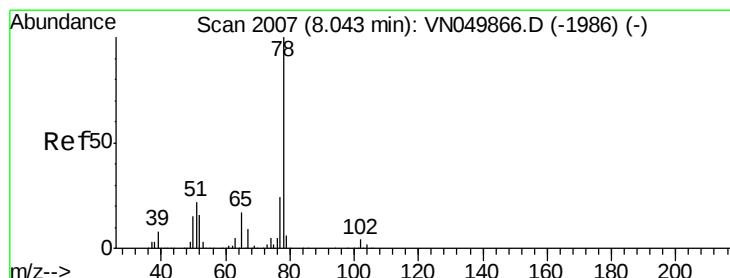
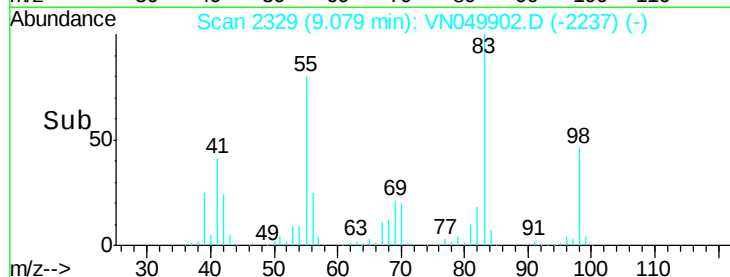
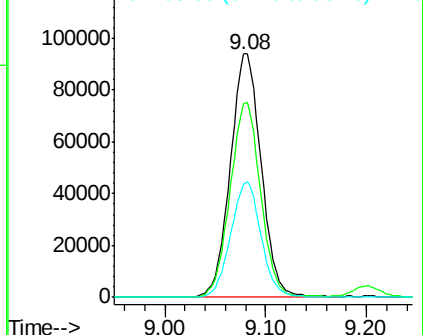
#39
Methvlcvclohexane
Concen: 19.04 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 200238
Ion Ratio Lower Upper
83 100
55 79.8 59.7 89.5
98 46.5 36.5 54.7

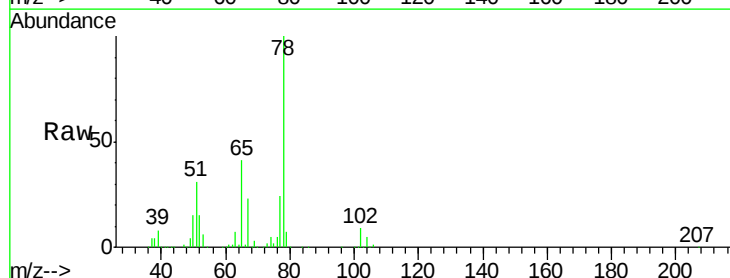


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

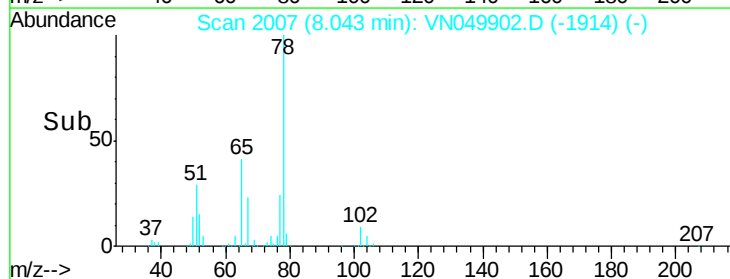
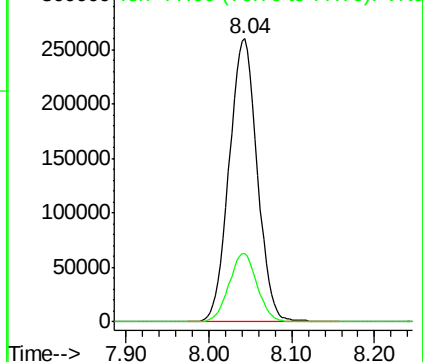


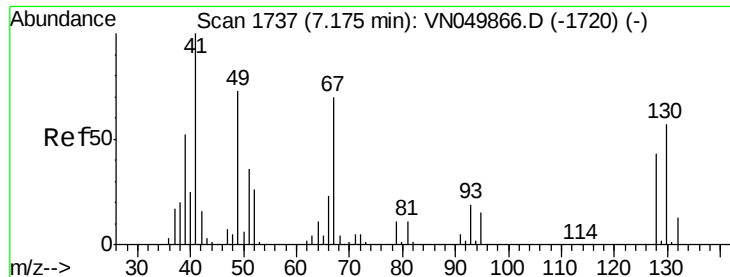
#40
Benzene
Concen: 19.80 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 78 Resp: 614431
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

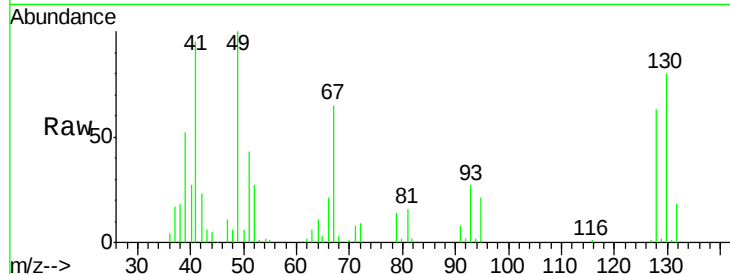




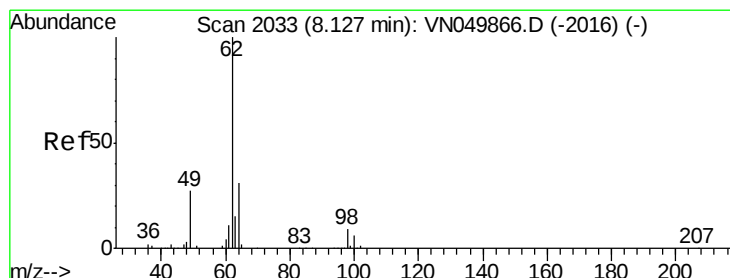
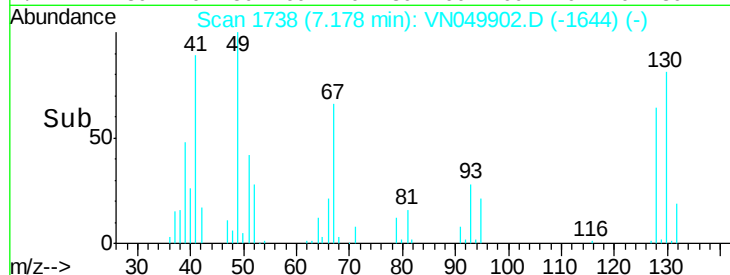
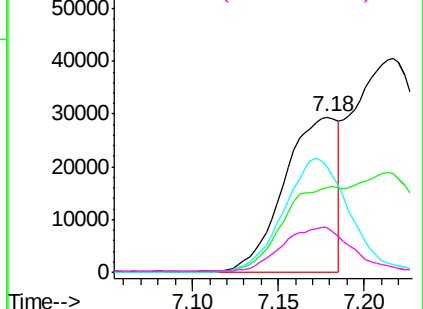
#41
Methacrylonitrile
Concen: 18.29 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 64111
Ion Ratio Lower Upper
41 100
39 61.1 45.4 68.2
67 90.5 65.4 98.0
52 36.6 24.7 37.1

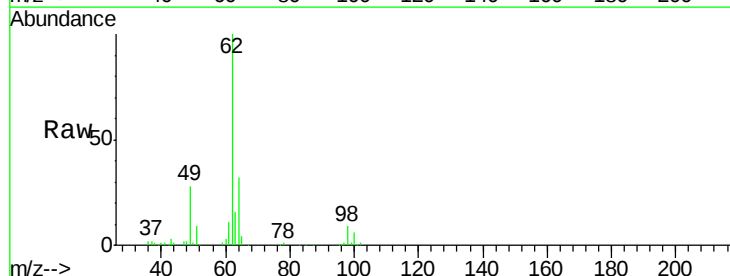


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

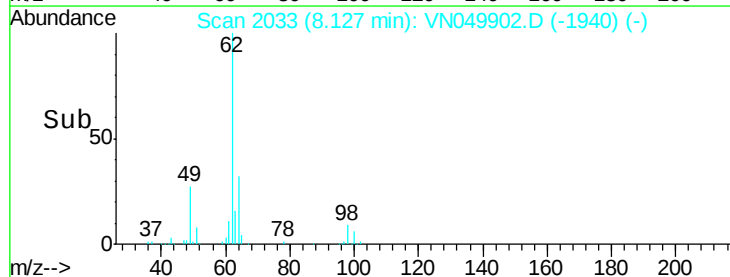
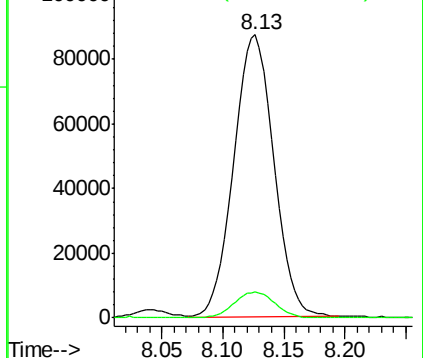


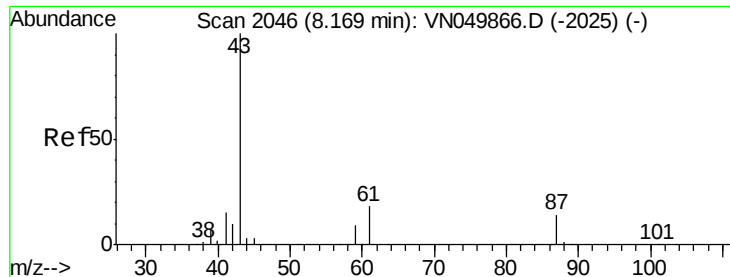
#42
1,2-Dichloroethane
Concen: 19.34 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 62 Resp: 198818
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.06 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

ClientSampleId :

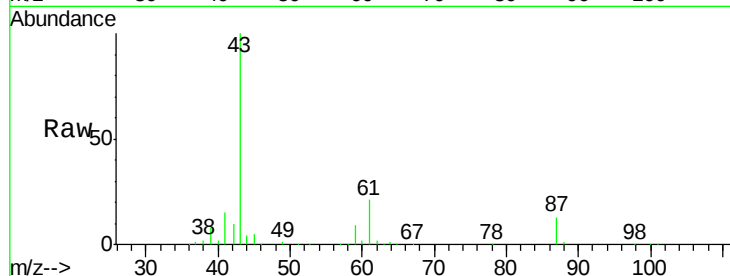
Tot Ion: 43 Resp: 257245

Ion Ratio Lower Upper

43 100

61 18.5 14.9 22.3

87 12.2 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN049866.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN049866.D (-2025) (-)

8.17

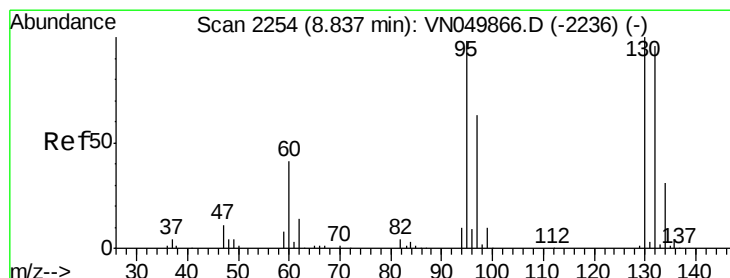
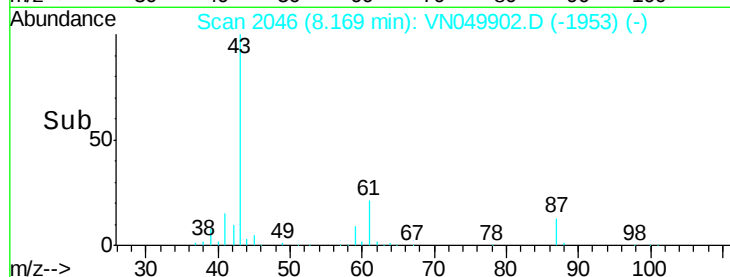
100000

50000

0

8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 19.88 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049902.D

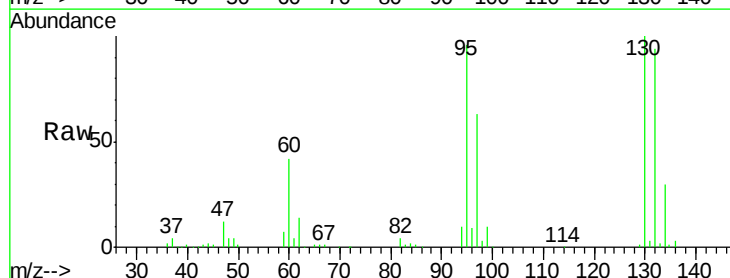
Acq: 19 Jul 2018 4:53

Tgt Ion:130 Resp: 161745

Ion Ratio Lower Upper

130 100

95 96.1 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049866.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049866.D (-2236) (-)

8.83

80000

60000

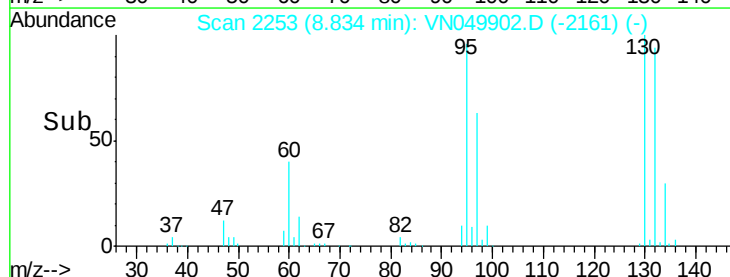
40000

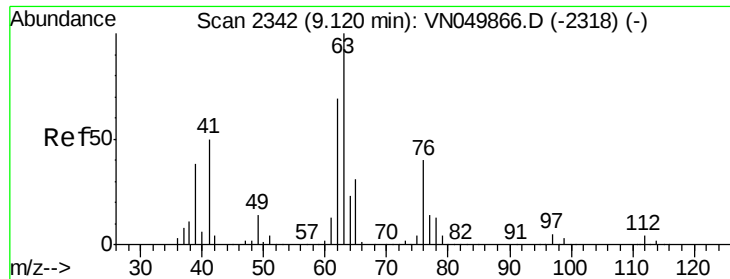
20000

0

8.80 8.90

Time-->

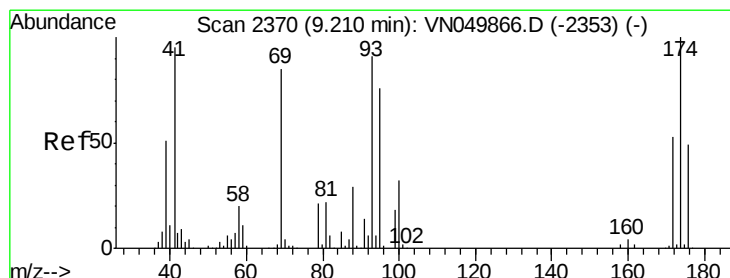
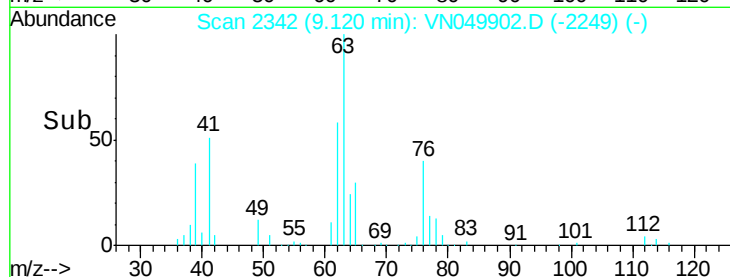
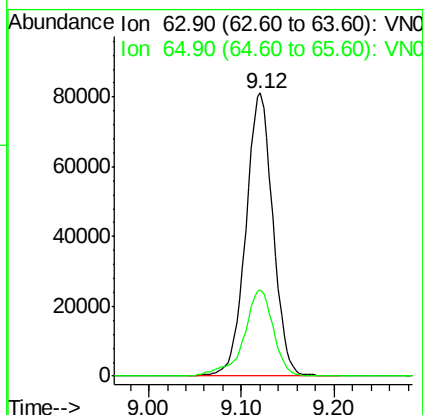
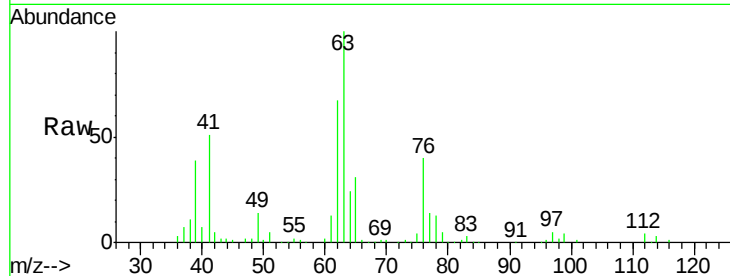




#45
 1,2-Dichloropropane
 Concen: 19.68 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

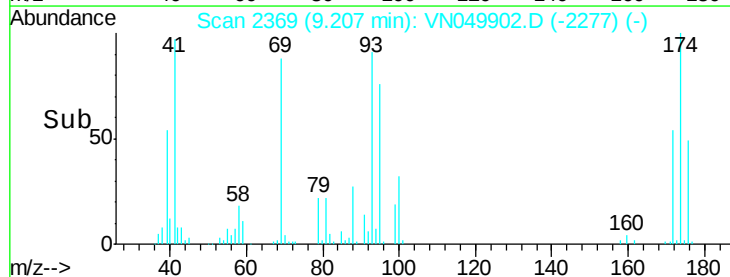
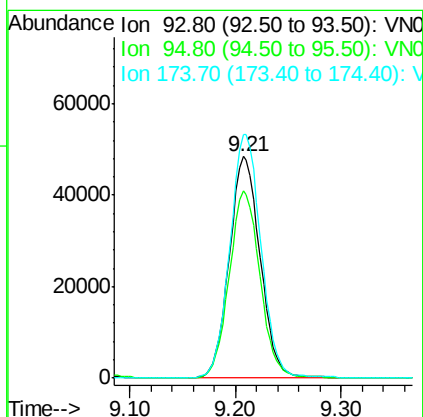
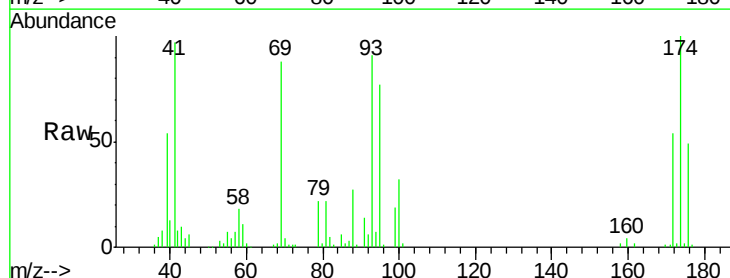
Instrument :
 MSVOA_N
 ClientSampleId :

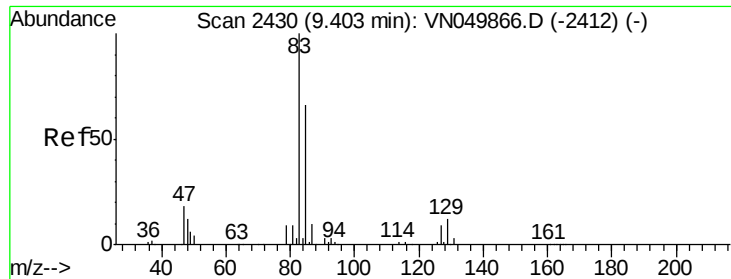
Tot Ion: 63 Resp: 164761
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1



#46
 Dibromomethane
 Concen: 18.98 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

Tgt Ion: 93 Resp: 98549
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.9 101.9
 174 110.6 89.4 134.0





#47

Bromodichloromethane

Concen: 19.73 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :
MSVOA_N
ClientSampleId :

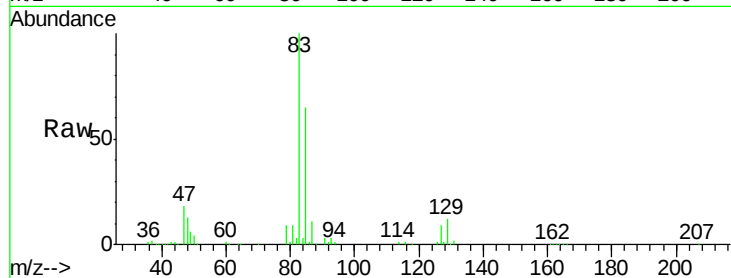
Tot Ion: 83 Resp: 211803

Ion Ratio Lower Upper

83 100

85 65.3 50.5 75.7

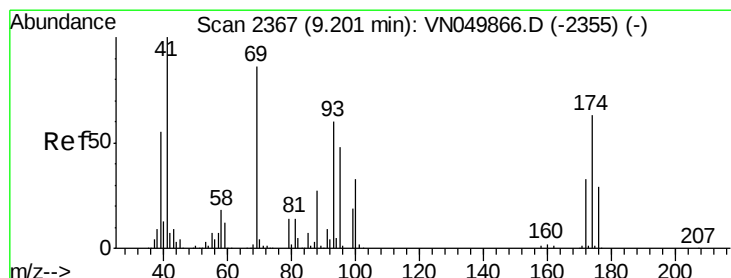
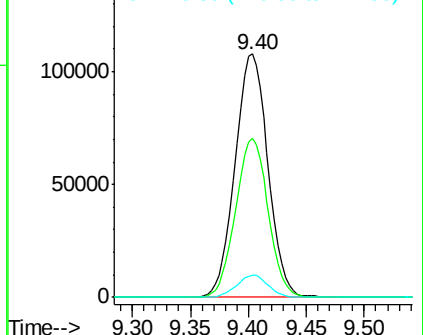
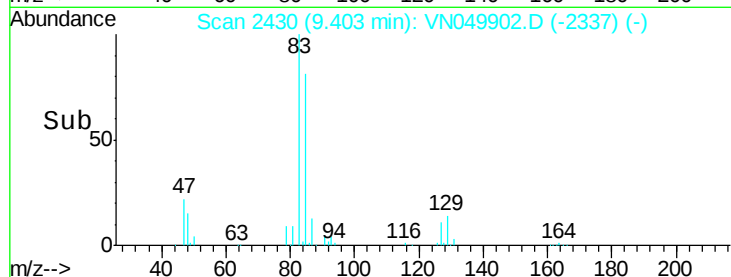
127 9.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049902.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049902.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049902.D (-2337) (-)



#48

Methyl methacrylate

Concen: 18.71 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

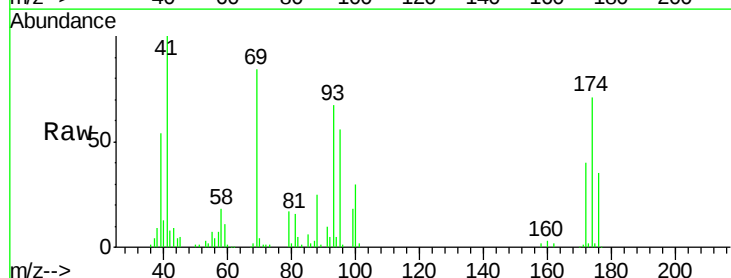
Tgt Ion: 41 Resp: 114630

Ion Ratio Lower Upper

41 100

69 90.2 71.5 107.3

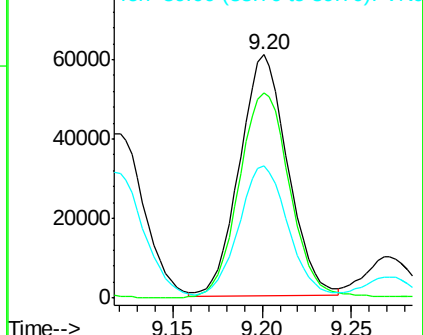
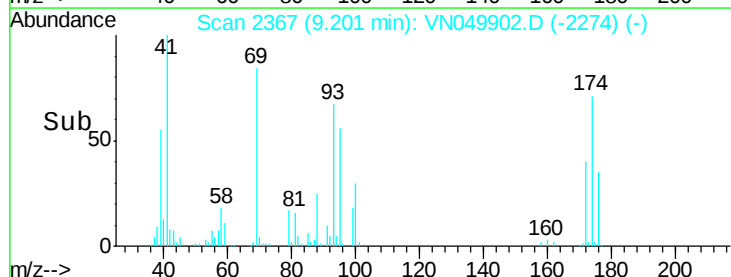
39 56.1 44.7 67.1

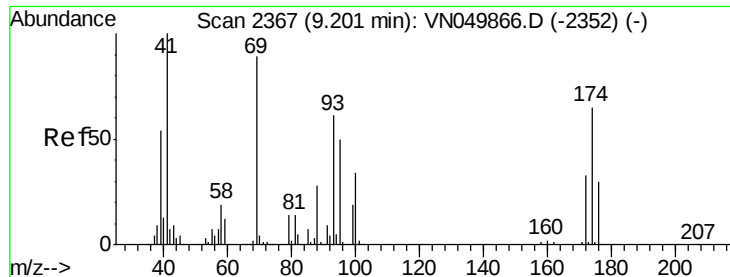


Abundance Ion 41.00 (40.70 to 41.70): VN049902.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049902.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049902.D (-2274) (-)





#49

1,4-Dioxane

Concen: 380.81 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :
MSVOA_N
ClientSampleId :

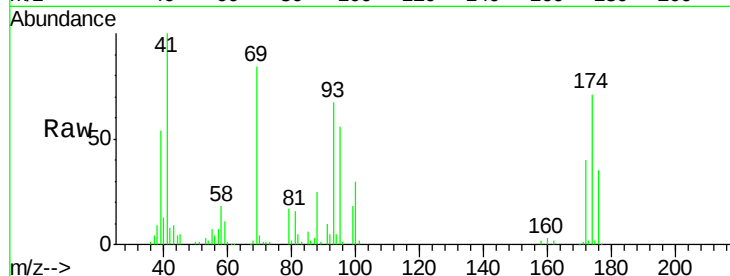
Tot Ion: 88 Resp: 33100

Ion Ratio Lower Upper

88 100

43 33.3 25.1 37.7

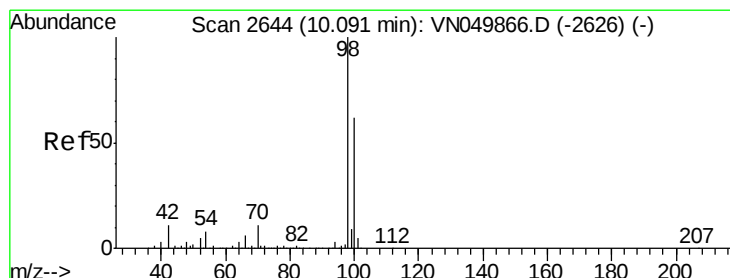
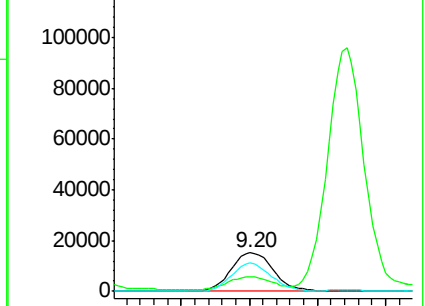
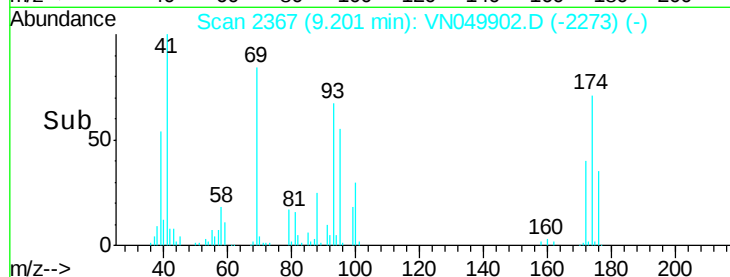
58 67.9 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VN049902.D (-2273) (-)

Ion 43.00 (42.70 to 43.70): VN049902.D (-2273) (-)

Ion 58.00 (57.70 to 58.70): VN049902.D (-2273) (-)



#50

Toluene-d8

Concen: 50.45 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049902.D

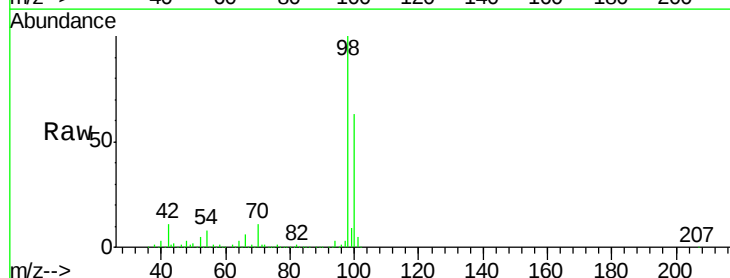
Acq: 19 Jul 2018 4:53

Tgt Ion: 98 Resp: 1413050

Ion Ratio Lower Upper

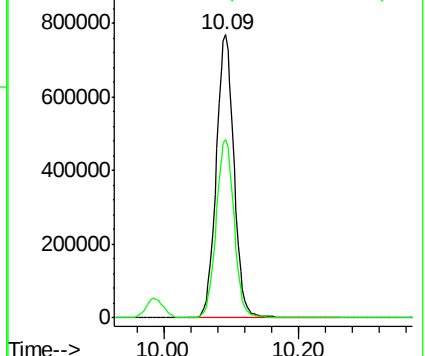
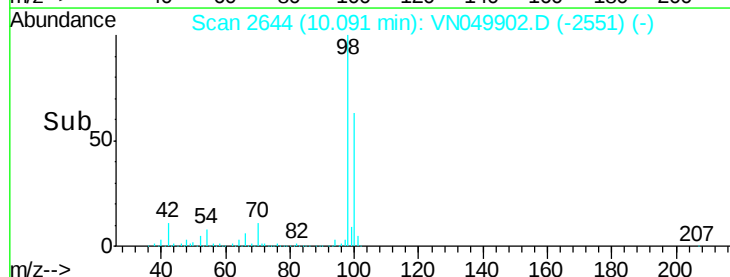
98 100

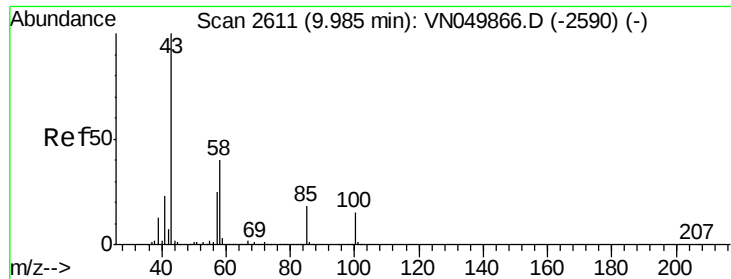
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049902.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049902.D (-2551) (-)

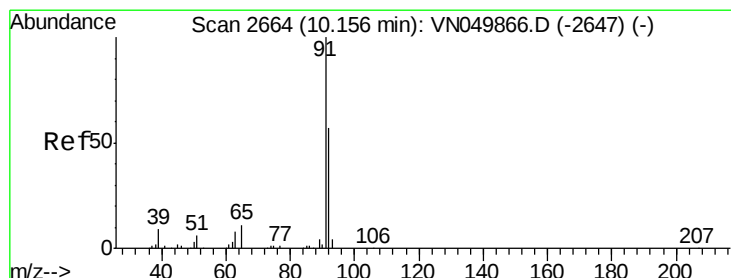
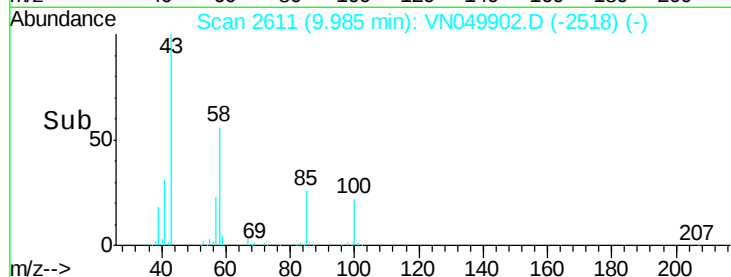
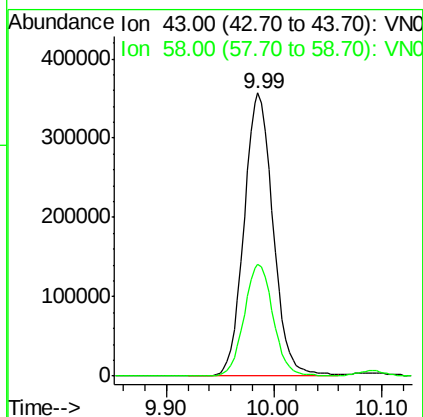
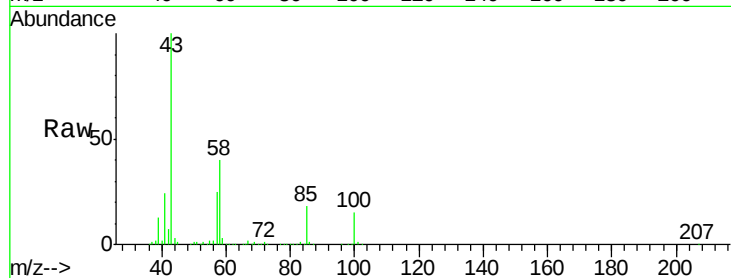




#51
4-Methyl-2-Pentanone
Concen: 97.22 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

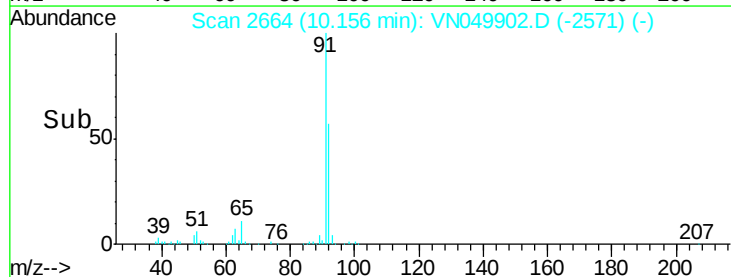
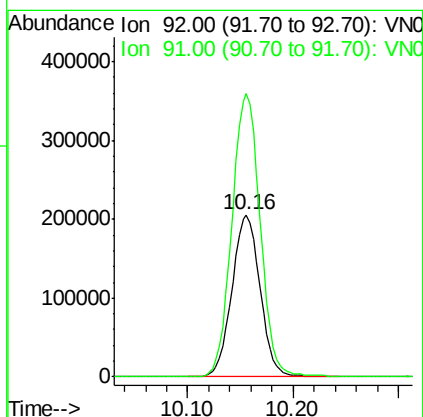
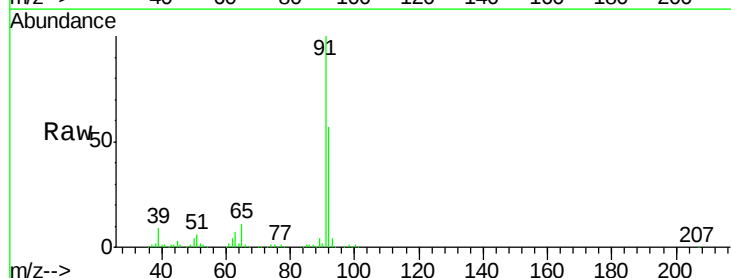
Instrument :
MSVOA_N
ClientSampled :

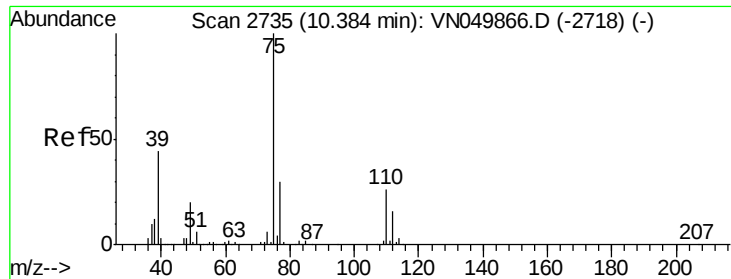
Tot Ion: 43 Resp: 663849
Ion Ratio Lower Upper
43 100
58 39.7 31.8 47.8



#52
Toluene
Concen: 20.49 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 92 Resp: 379300
Ion Ratio Lower Upper
92 100
91 175.8 140.1 210.1

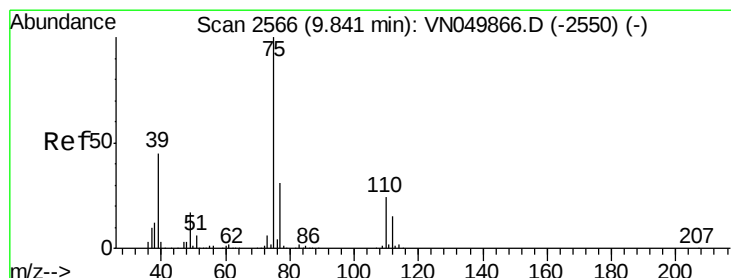
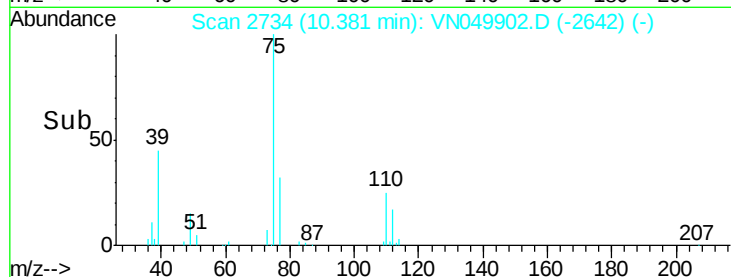
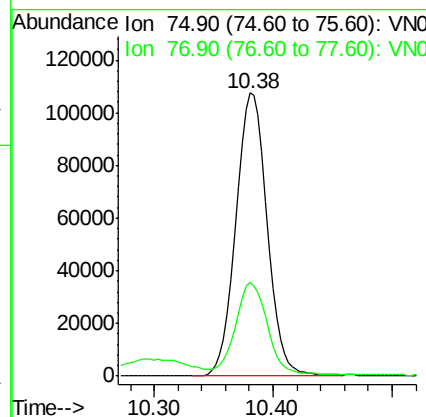
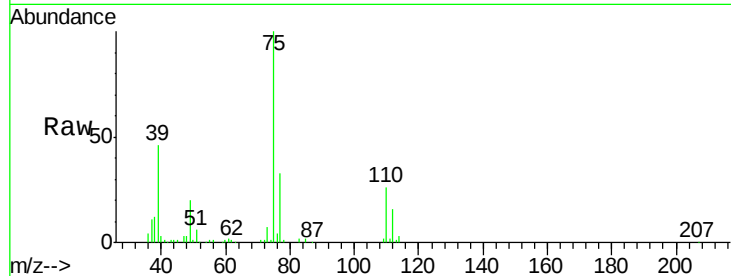




#53
t-1,3-Dichloropropene
Concen: 18.50 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

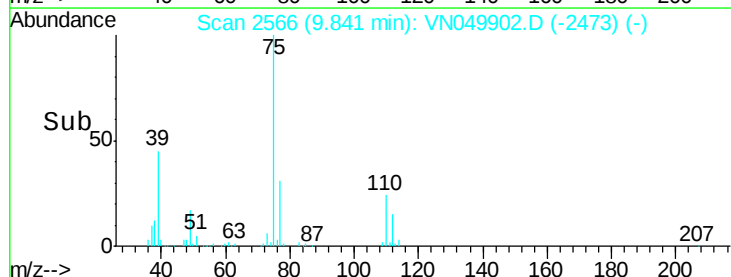
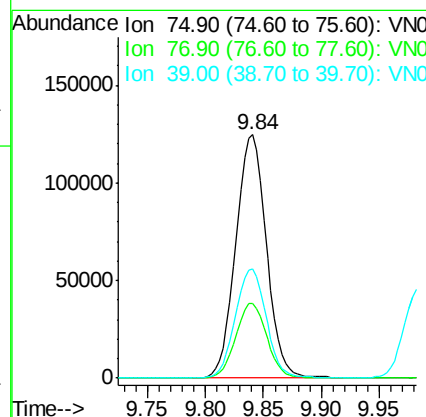
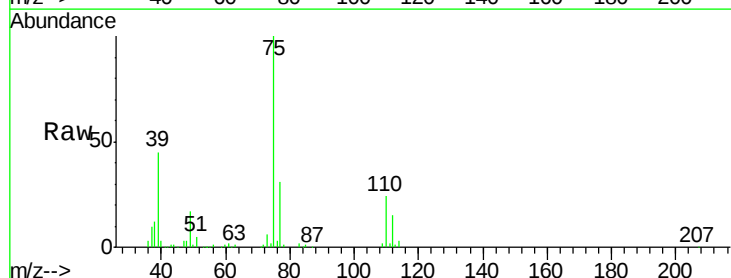
Instrument :
MSVOA_N
ClientSampled :

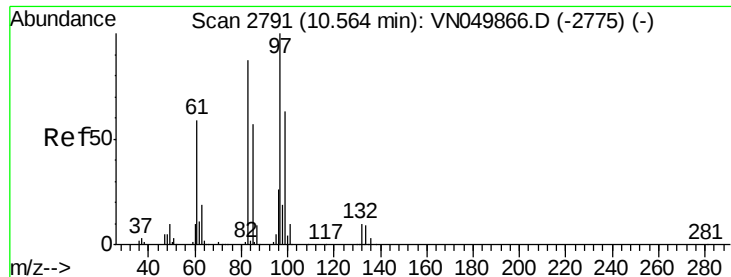
Tot Ion: 75 Resp: 196455
Ion Ratio Lower Upper
75 100
77 32.3 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 19.40 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 75 Resp: 227637
Ion Ratio Lower Upper
75 100
77 30.6 25.3 37.9
39 44.7 35.5 53.3

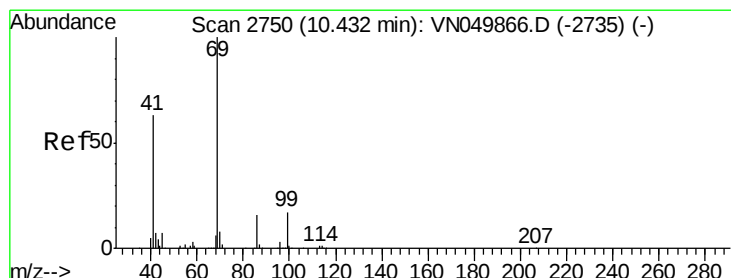
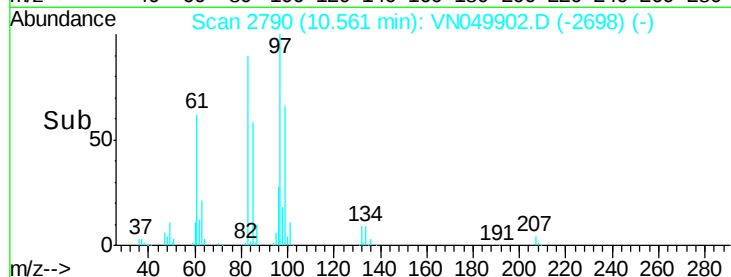
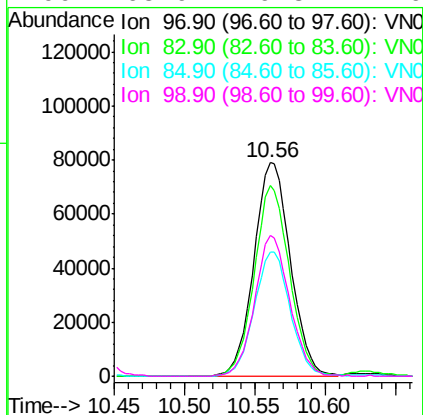
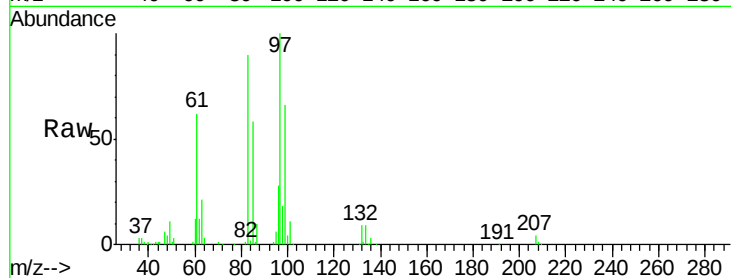




#55
 1,1,2-Trichloroethane
 Concen: 18.72 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

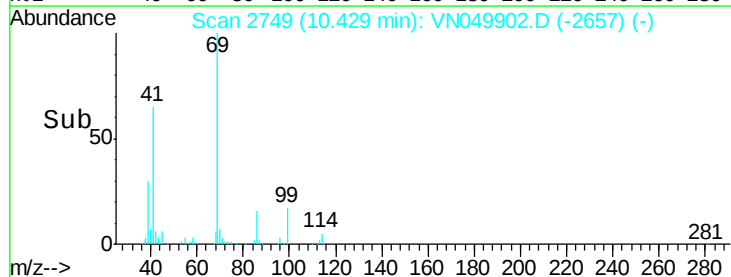
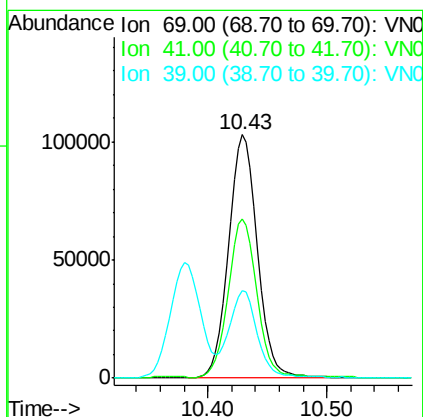
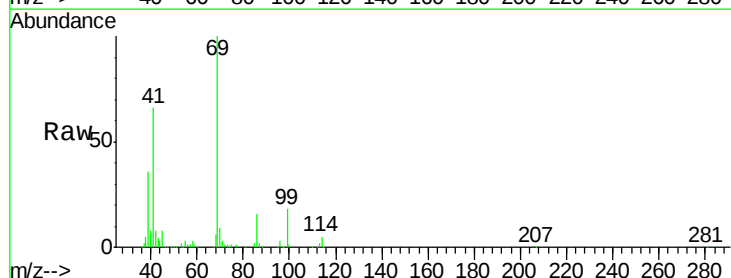
Instrument :
 MSVOA_N
 ClientSampleId :

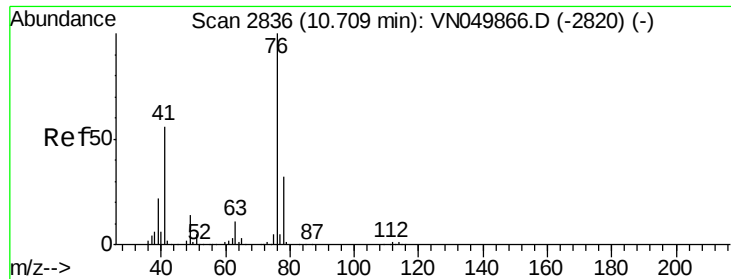
Tot Ion:	97	Resp:	143154
Ion	Ratio	Lower	Upper
97	100		
83	89.5	69.0	103.6
85	58.0	44.9	67.3
99	65.9	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 18.32 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

Tgt Ion:	69	Resp:	173414
Ion	Ratio	Lower	Upper
69	100		
41	64.6	51.6	77.4
39	35.0	25.8	38.8





#57

1,3-Dichloropropane

Concen: 19.84 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

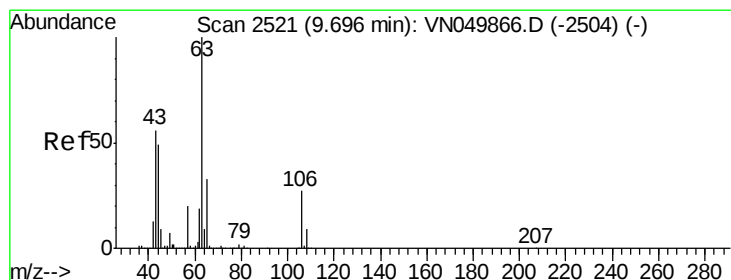
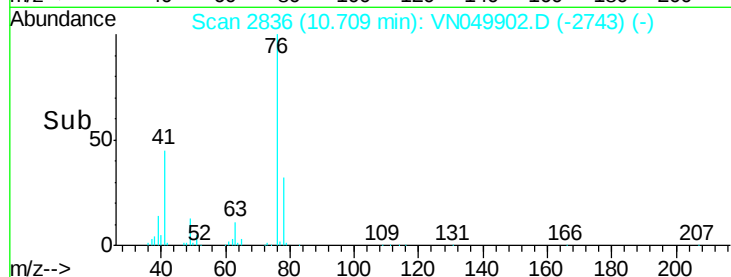
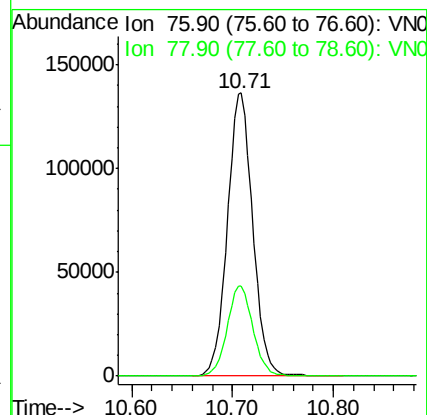
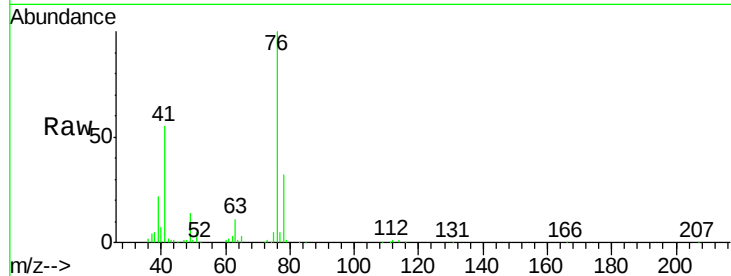
ClientSampled :

Tot Ion: 76 Resp: 238923

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 100.94 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049902.D

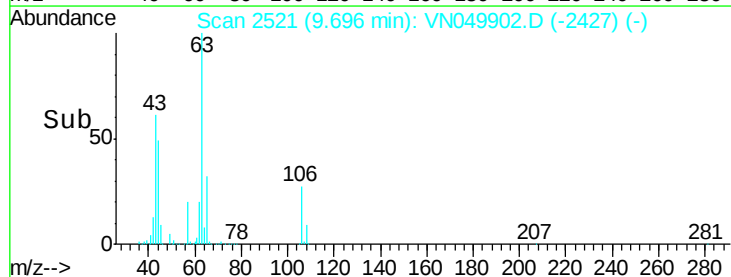
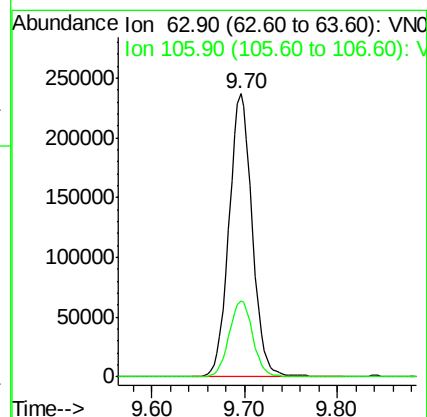
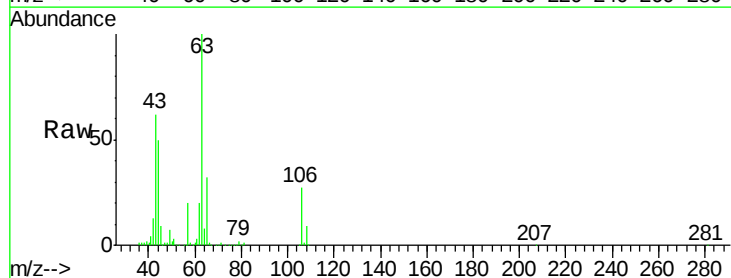
Acq: 19 Jul 2018 4:53

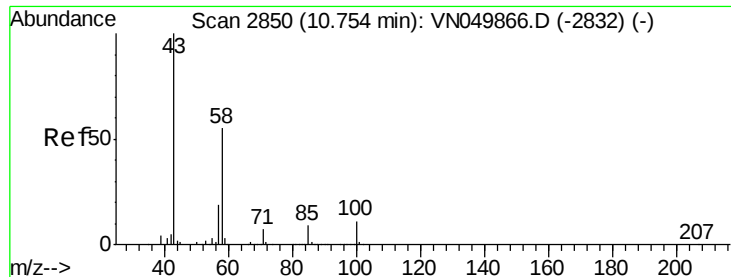
Tgt Ion: 63 Resp: 411218

Ion Ratio Lower Upper

63 100

106 27.7 21.8 32.8

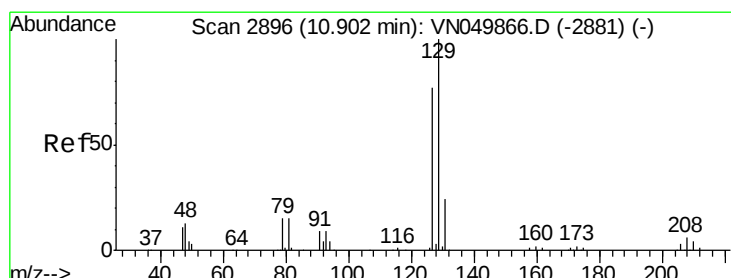
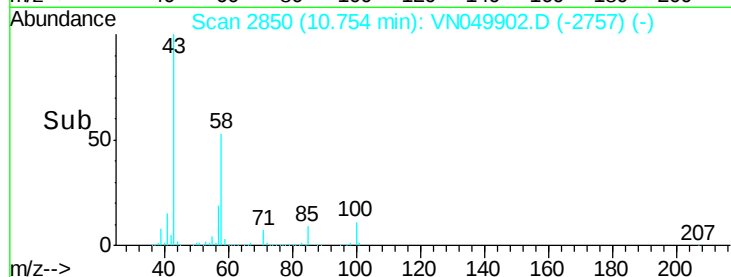
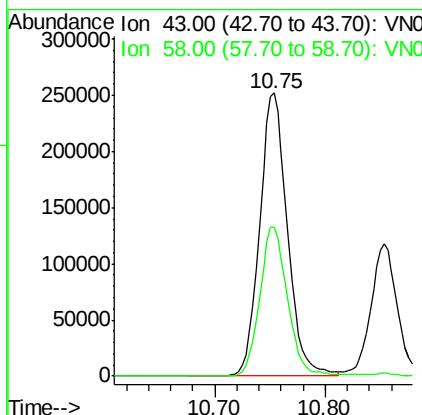
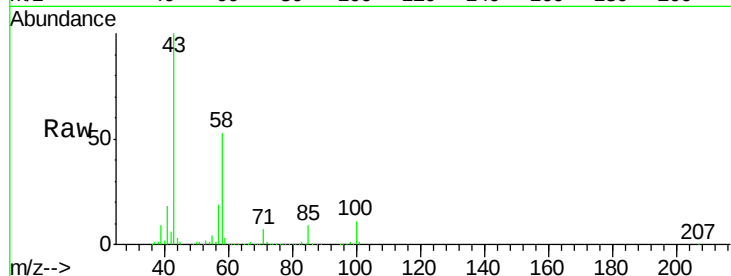




#59
2-Hexanone
Concen: 95.05 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

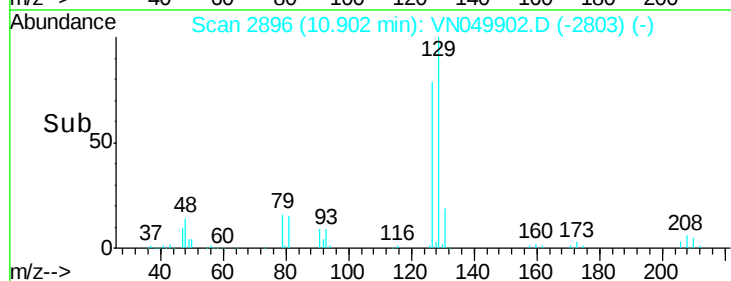
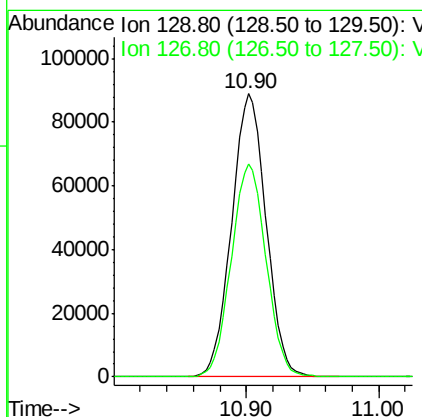
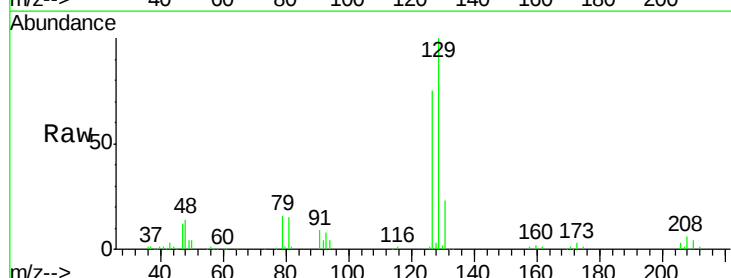
Instrument :
MSVOA_N
ClientSampled :

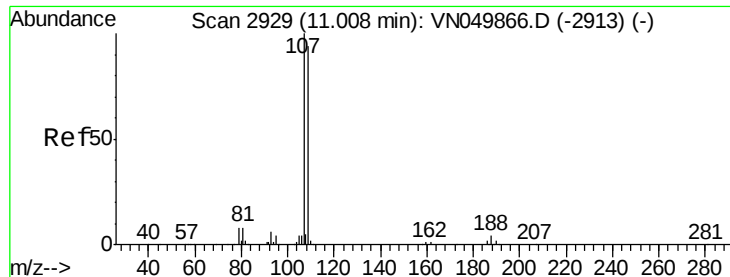
Tot Ion: 43 Resp: 435943
Ion Ratio Lower Upper
43 100
58 53.0 27.8 83.4



#60
Dibromochloromethane
Concen: 19.15 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 129 Resp: 160574
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.08 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

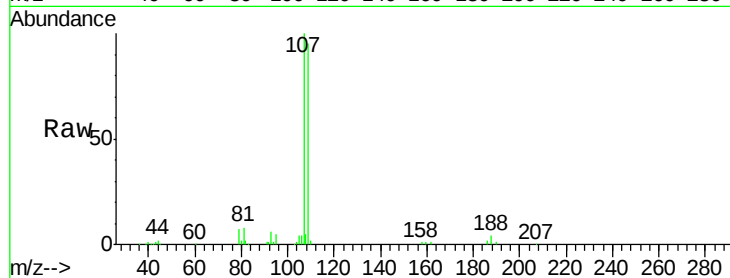
ClientSampleId :

Tot Ion: 107 Resp: 136353

Ion Ratio Lower Upper

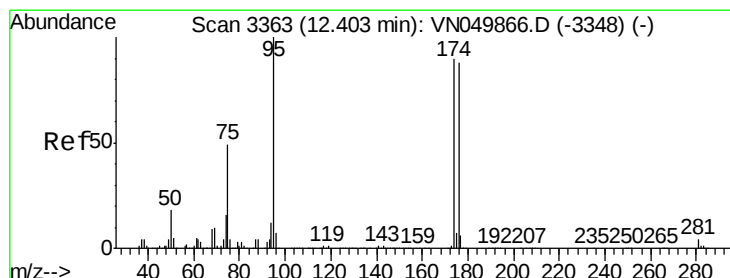
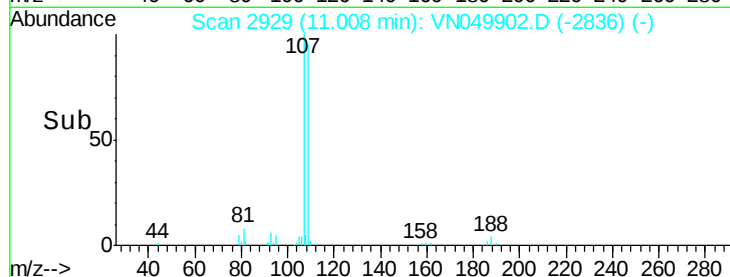
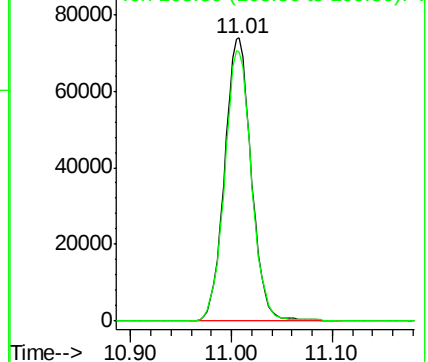
107 100

109 96.3 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.83 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

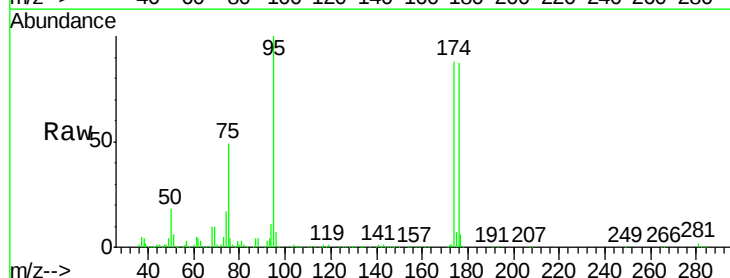
Tgt Ion: 95 Resp: 461379

Ion Ratio Lower Upper

95 100

174 89.3 0.0 179.6

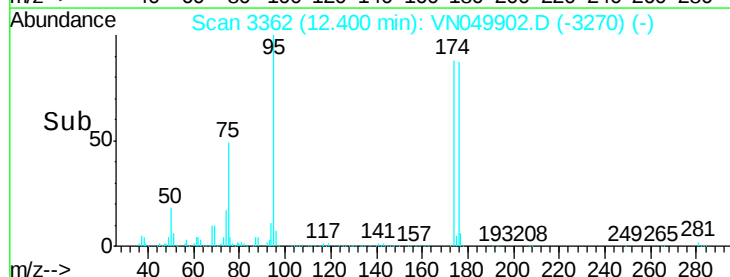
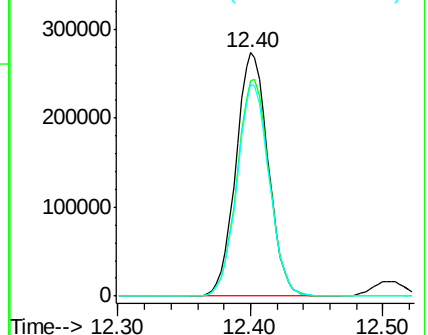
176 86.9 0.0 174.0

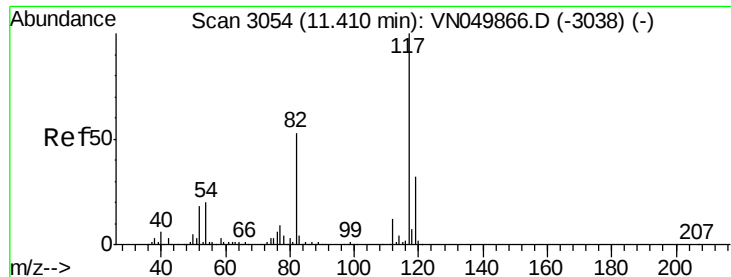


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

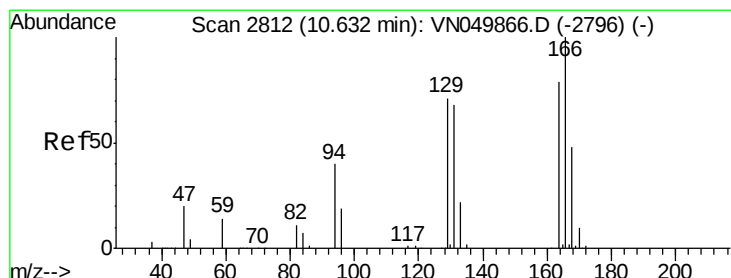
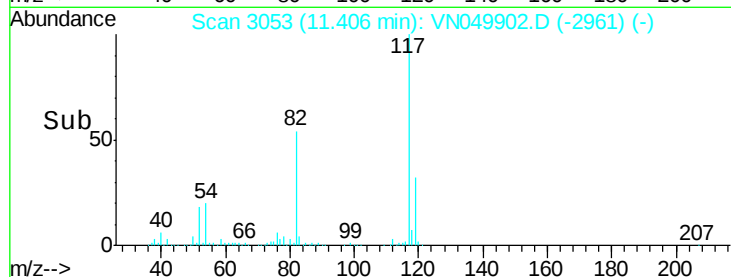
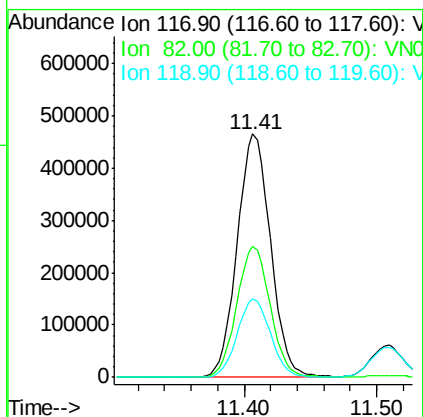
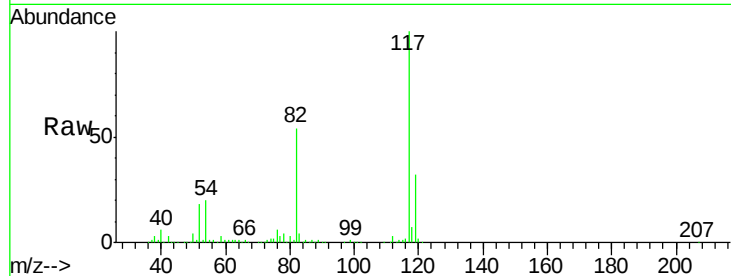




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

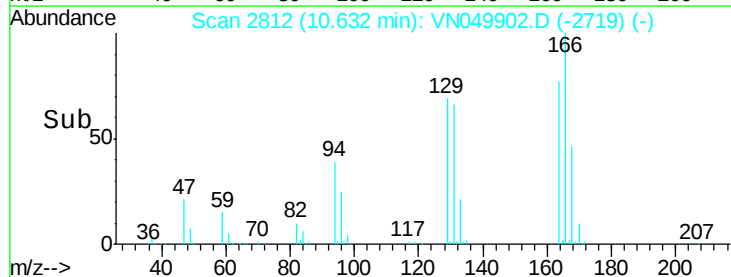
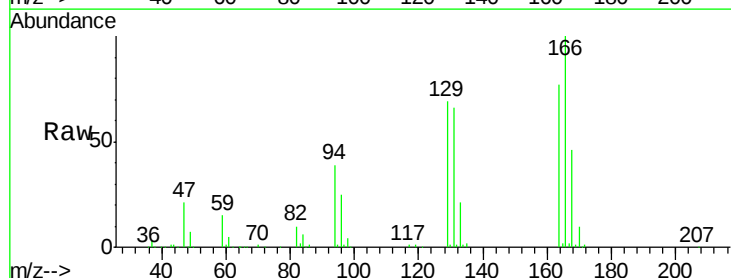
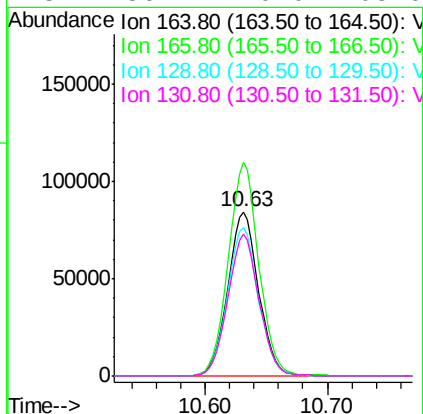
Instrument :
MSVOA_N
ClientSampleId :

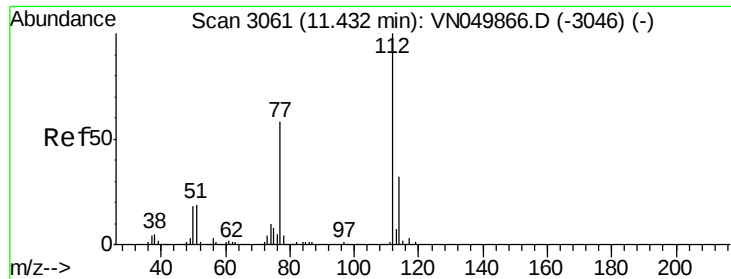
Tot Ion:117 Resp: 816301
Ion Ratio Lower Upper
117 100
82 53.8 41.9 62.9
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 20.25 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion:164 Resp: 148514
Ion Ratio Lower Upper
164 100
166 129.9 101.8 152.6
129 90.2 72.8 109.2
131 86.2 70.0 105.0

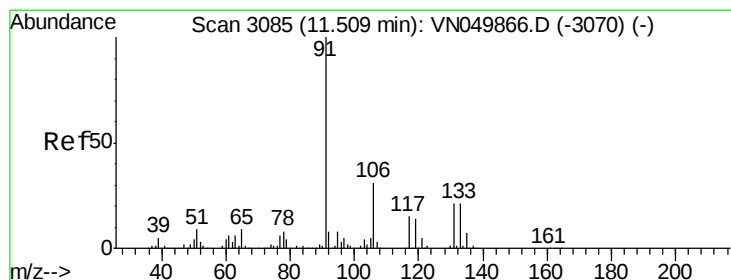
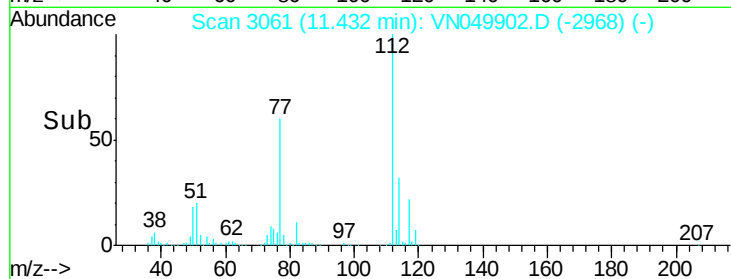
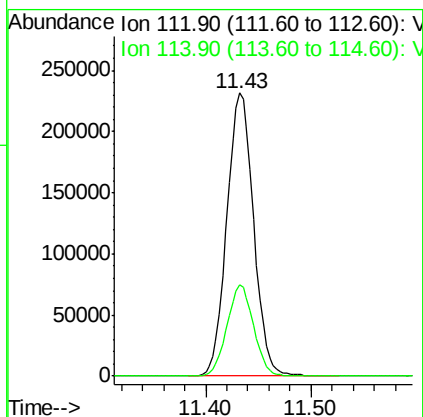
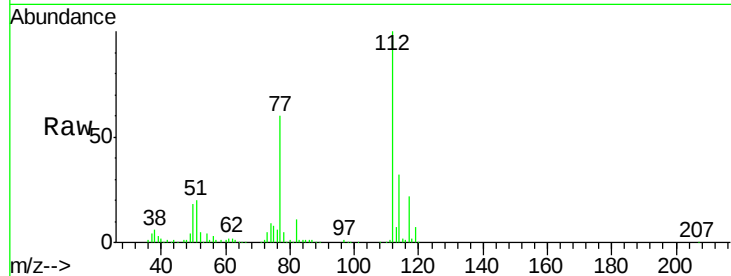




#65
Chlorobenzene
Concen: 19.84 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

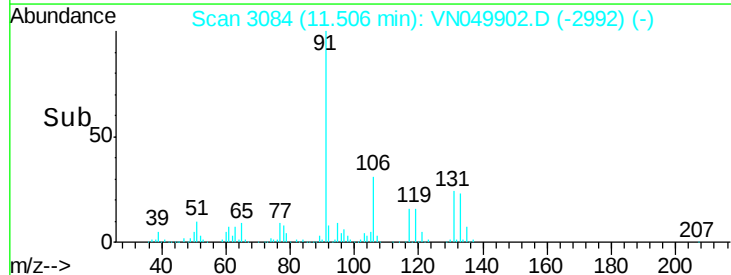
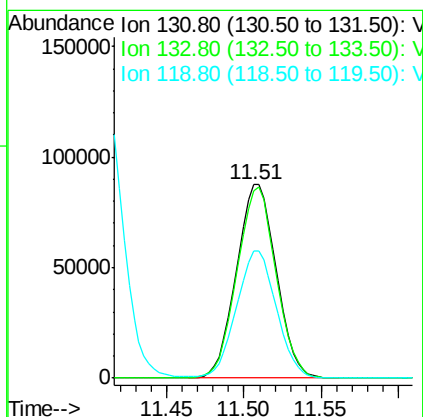
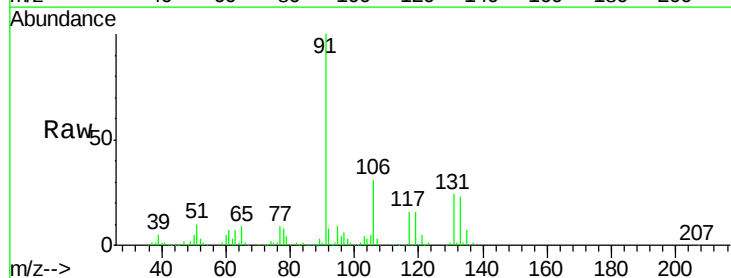
Instrument :
MSVOA_N
ClientSampled :

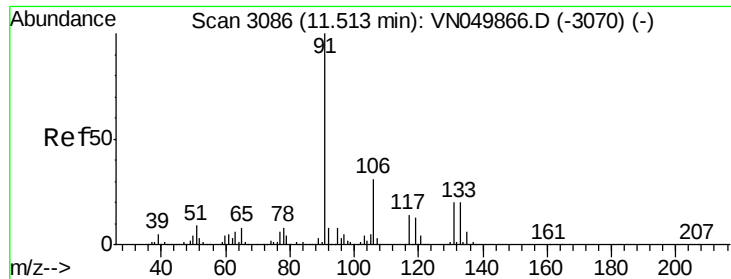
Tot Ion:112 Resp: 406866
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.72 ug/l
RT: 11.51 min Scan# 3084
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion:131 Resp: 156639
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.6
119 66.2 33.1 99.3

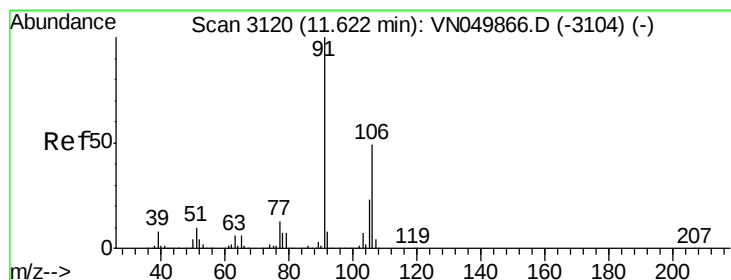
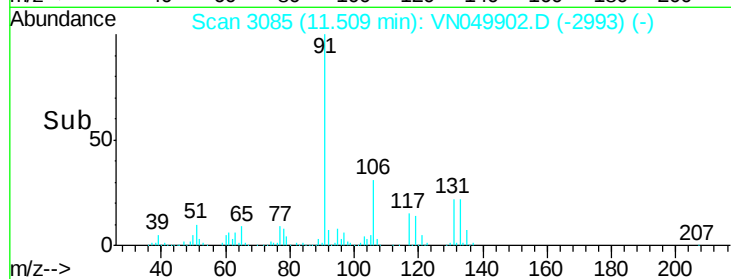
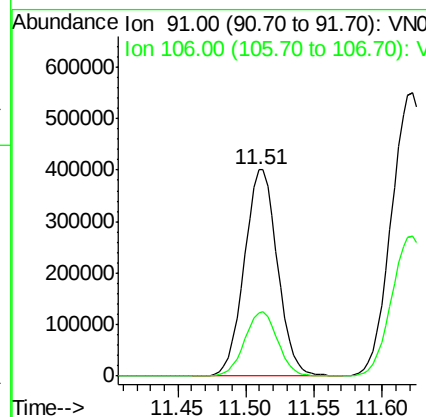
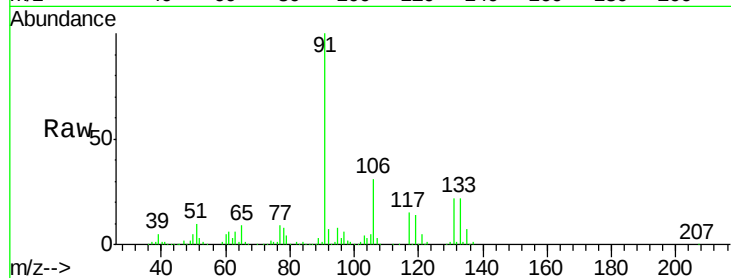




#67
Ethyl Benzene
Concen: 20.36 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

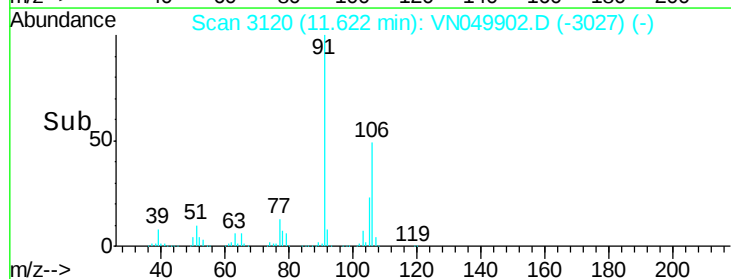
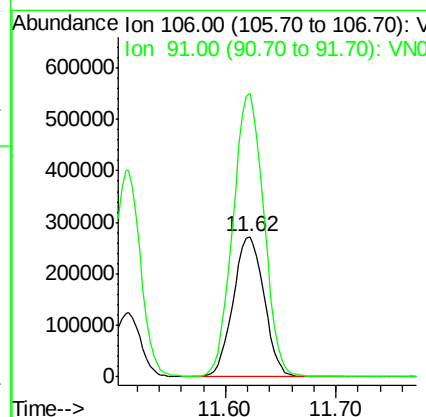
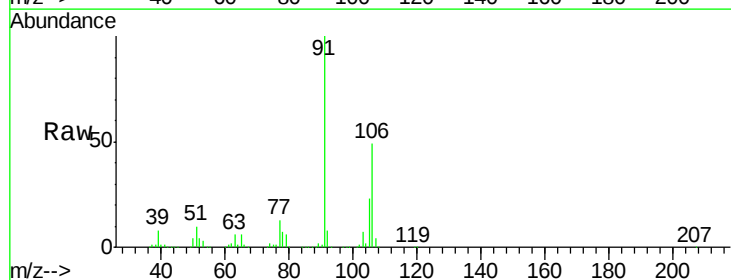
Instrument :
MSVOA_N
ClientSampled :

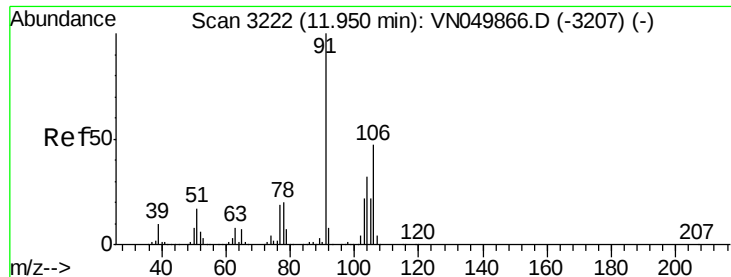
Tot Ion: 91 Resp: 677513
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2



#68
m/p-Xylenes
Concen: 42.05 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 106 Resp: 529619
Ion Ratio Lower Upper
106 100
91 202.3 163.4 245.2

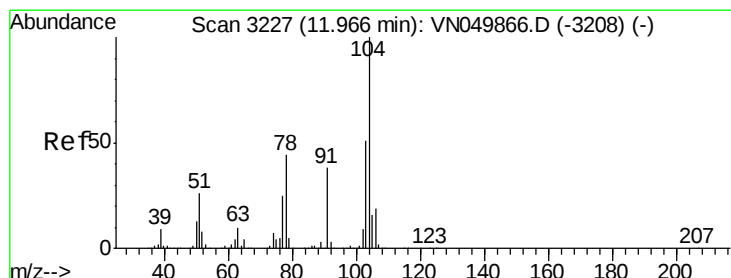
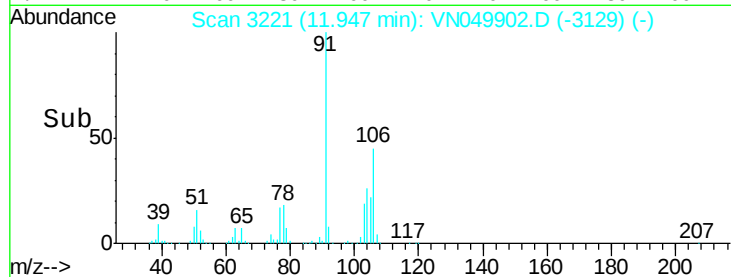
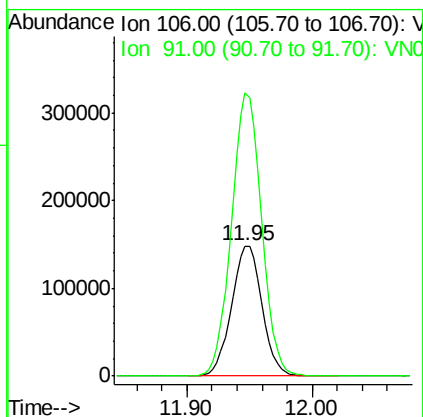
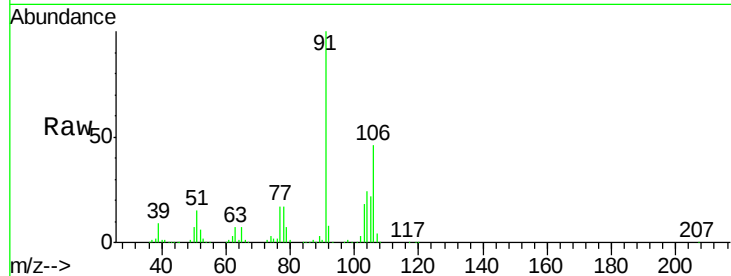




#69
o-Xylene
Concen: 20.61 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

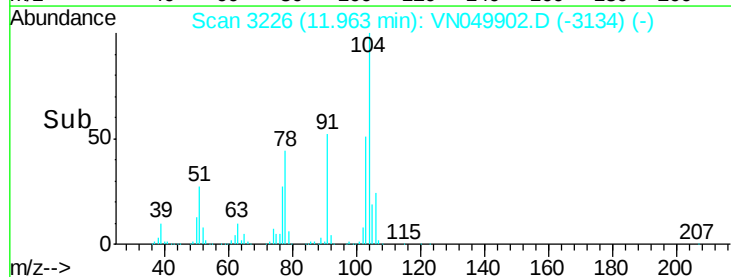
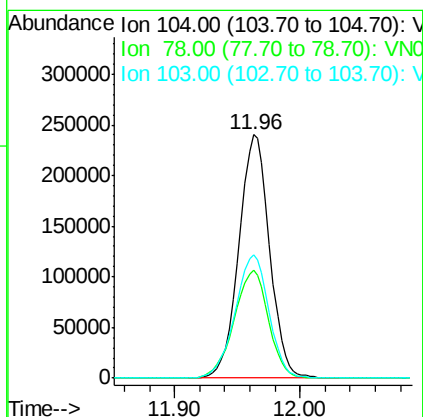
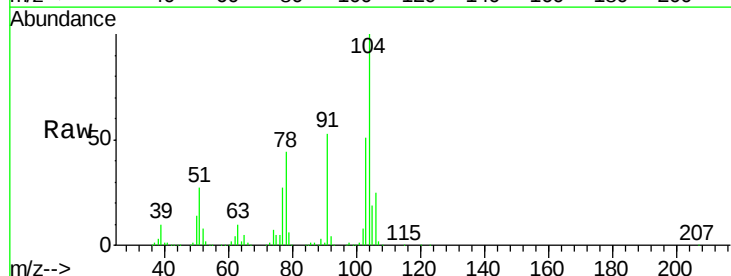
Instrument :
MSVOA_N
ClientSampled :

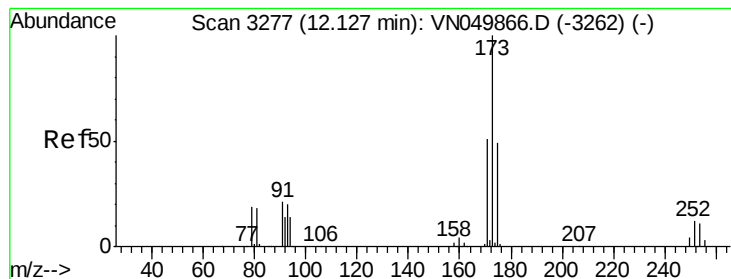
Tot Ion:106 Resp: 249372
Ion Ratio Lower Upper
106 100
91 215.8 108.7 326.1



#70
Styrene
Concen: 20.88 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion:104 Resp: 409114
Ion Ratio Lower Upper
104 100
78 49.5 39.2 58.8
103 55.6 44.6 67.0





#71

Bromoform

Concen: 19.28 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

ClientSampled :

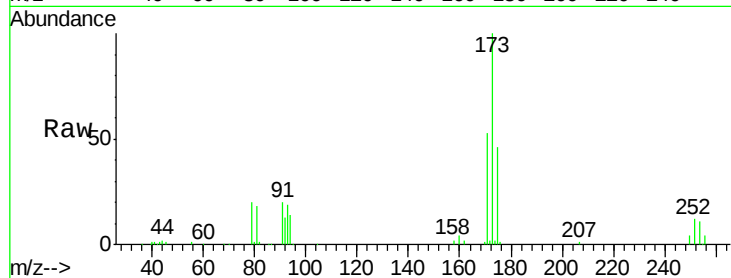
Tot Ion:173 Resp: 109586

Ion Ratio Lower Upper

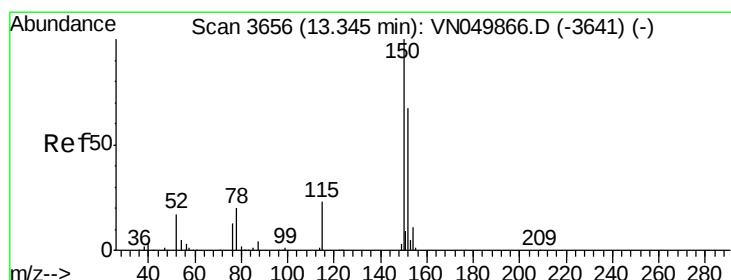
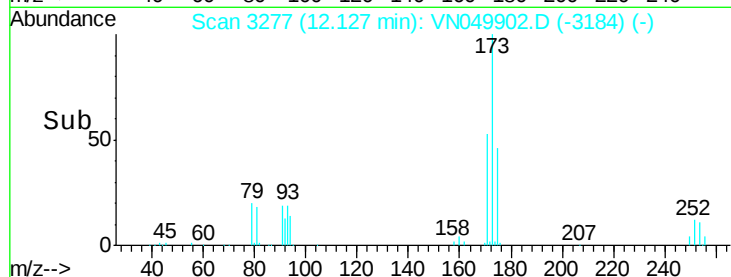
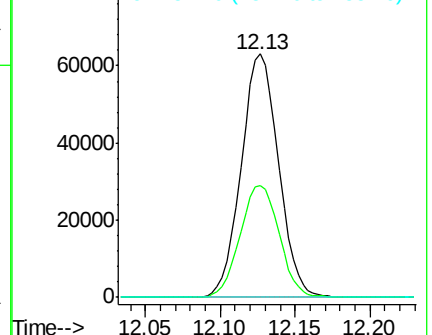
173 100

175 48.2 24.6 73.8

254 0.1 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: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

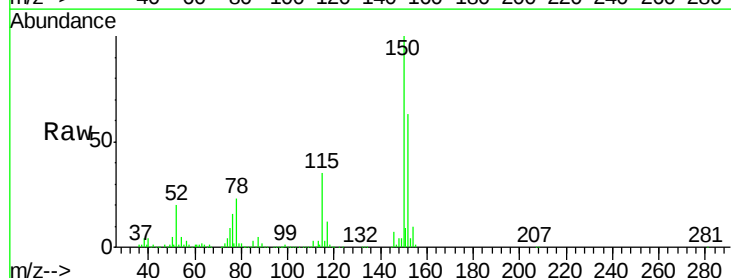
Tgt Ion:152 Resp: 408713

Ion Ratio Lower Upper

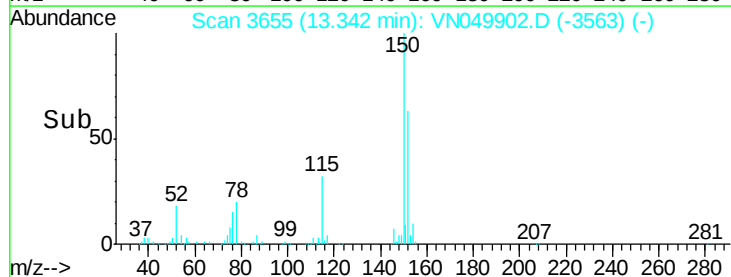
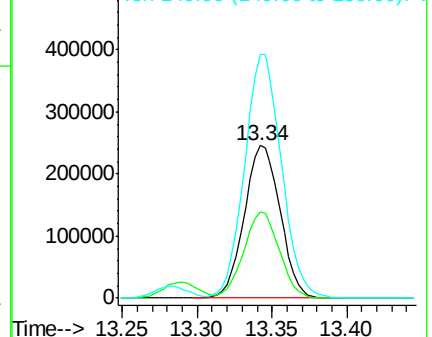
152 100

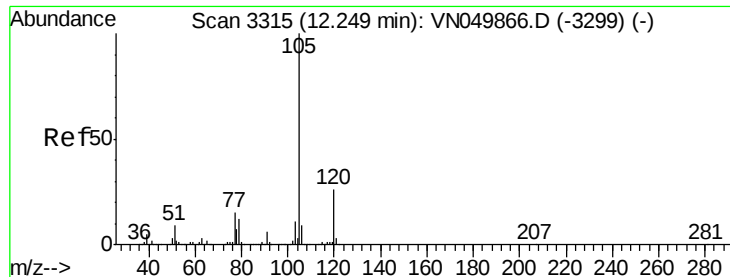
115 56.1 28.1 84.2

150 165.0 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: 21.63 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

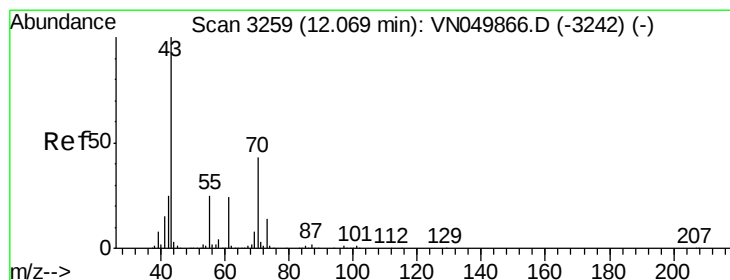
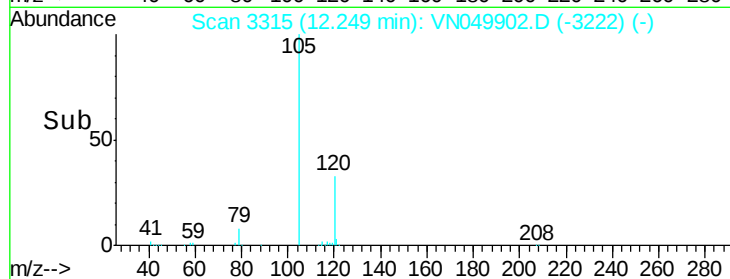
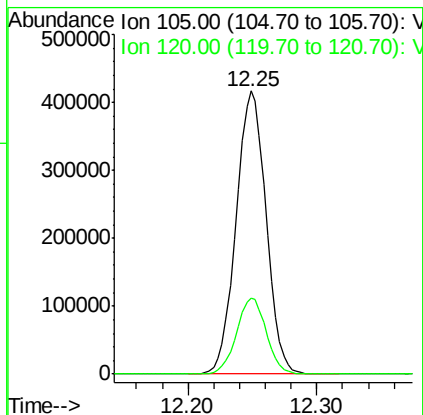
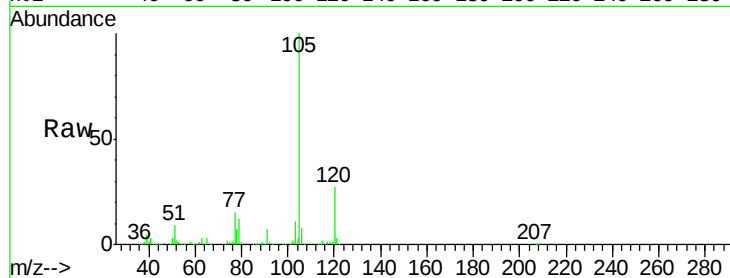
ClientSampled :

Tot Ion:105 Resp: 671479

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 20.13 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Tgt Ion: 43 Resp: 190262

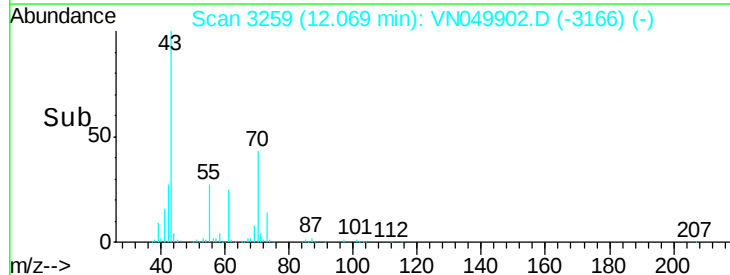
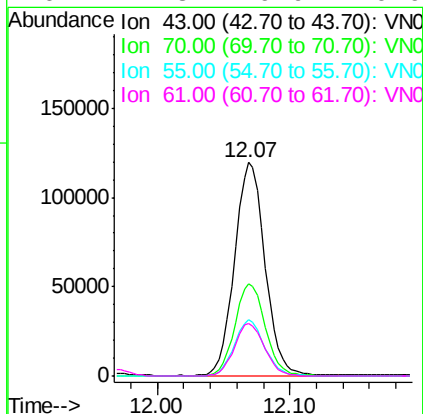
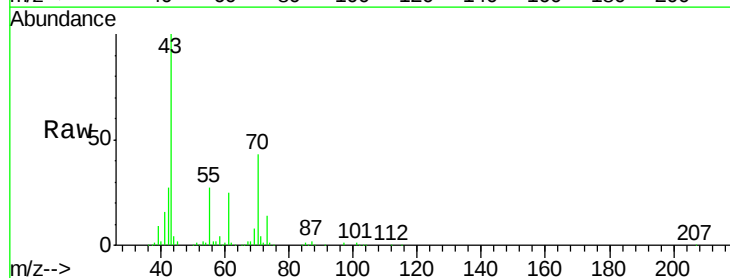
Ion Ratio Lower Upper

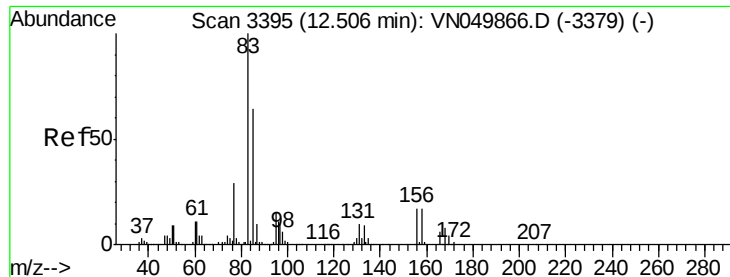
43 100

70 43.1 34.8 52.2

55 26.2 20.9 31.3

61 24.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.42 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

ClientSampled :

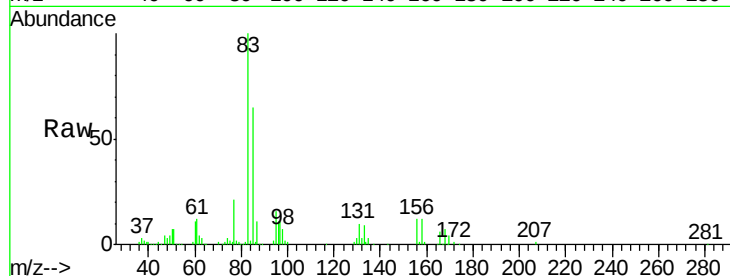
Tot Ion: 83 Resp: 180649

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

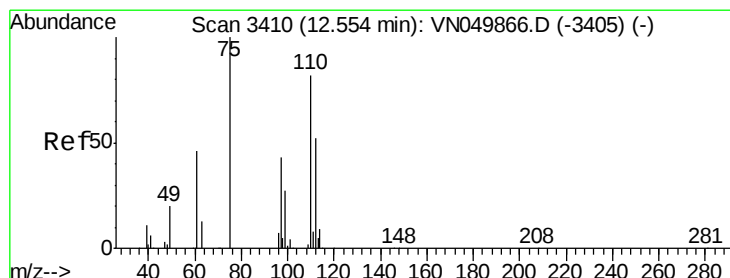
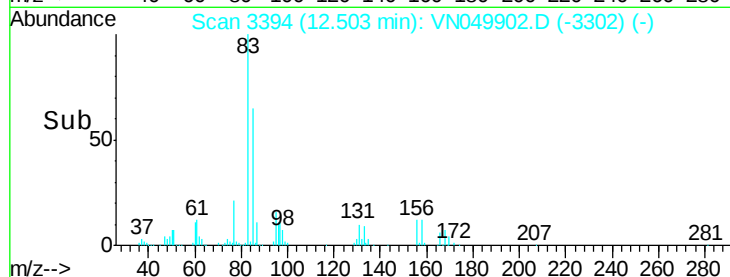
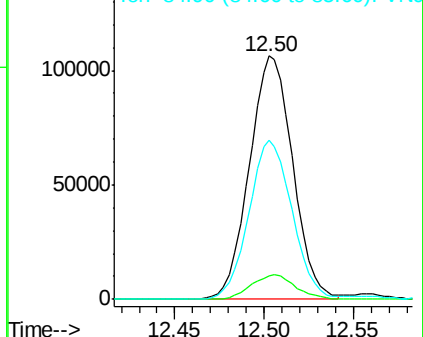
85 64.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 27.75 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049902.D

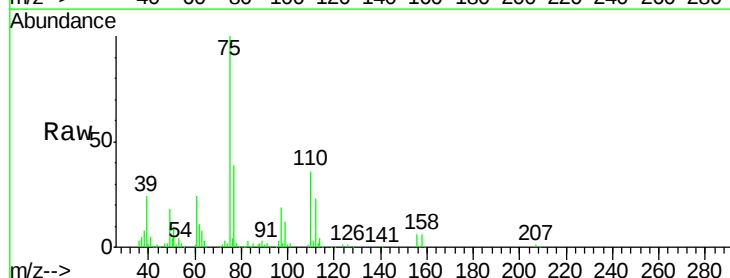
Acq: 19 Jul 2018 4:53

Tgt Ion: 75 Resp: 212729

Ion Ratio Lower Upper

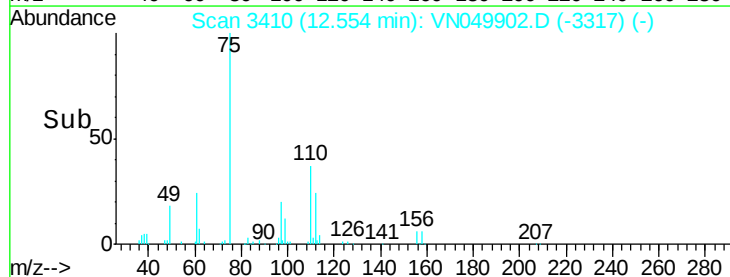
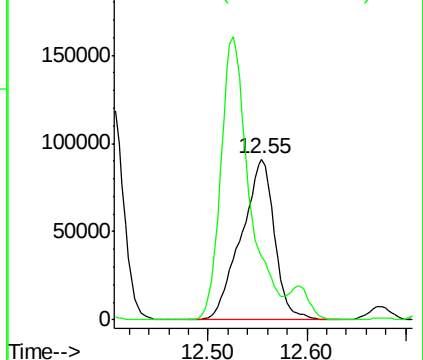
75 100

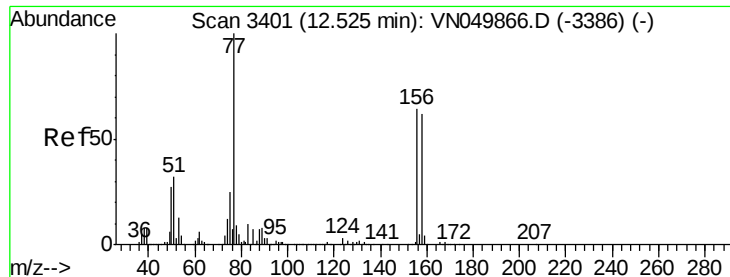
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.69 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

ClientSampled :

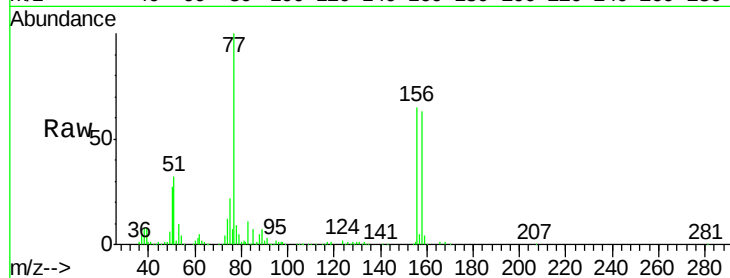
Tot Ion:156 Resp: 177390

Ion Ratio Lower Upper

156 100

77 183.8 90.2 270.6

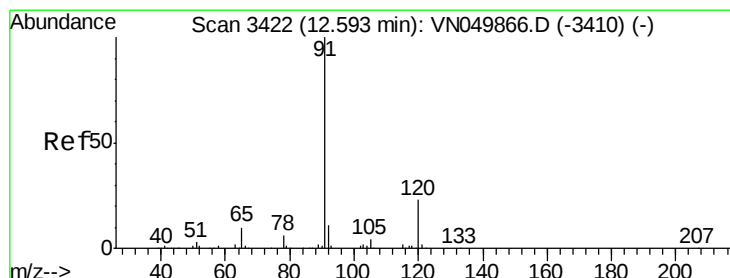
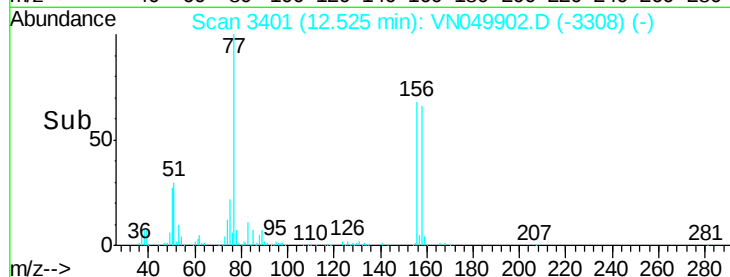
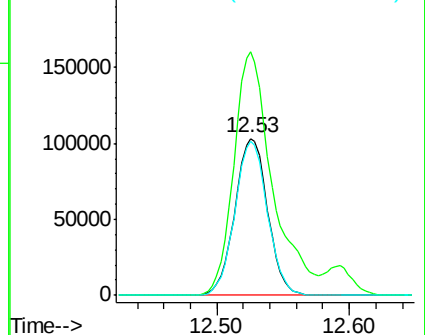
158 97.6 49.1 147.3



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: 21.70 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049902.D

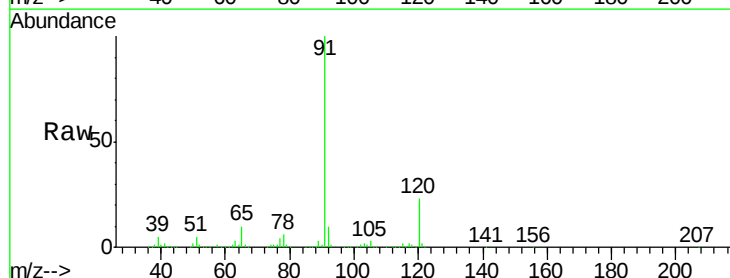
Acq: 19 Jul 2018 4:53

Tgt Ion: 91 Resp: 766004

Ion Ratio Lower Upper

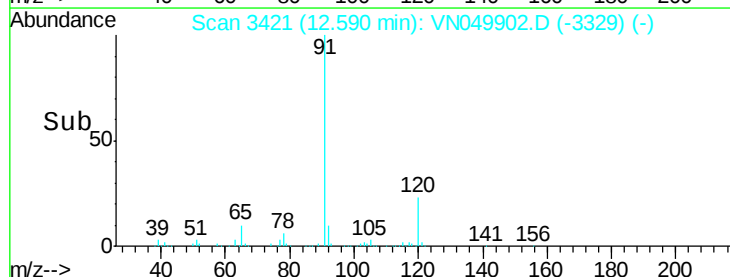
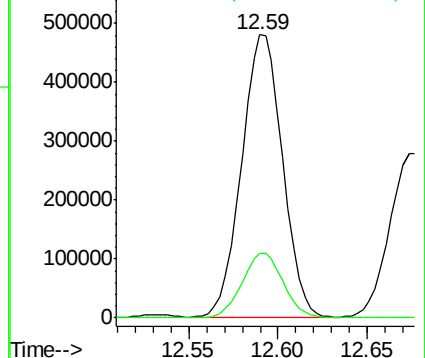
91 100

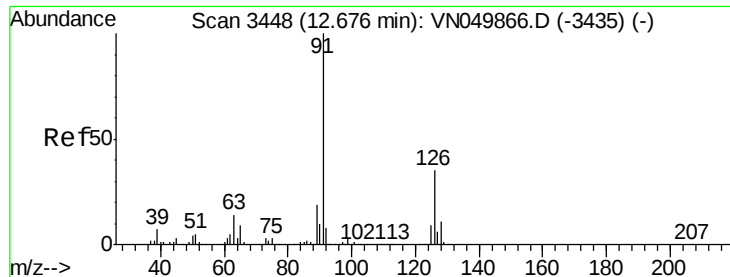
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.39 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

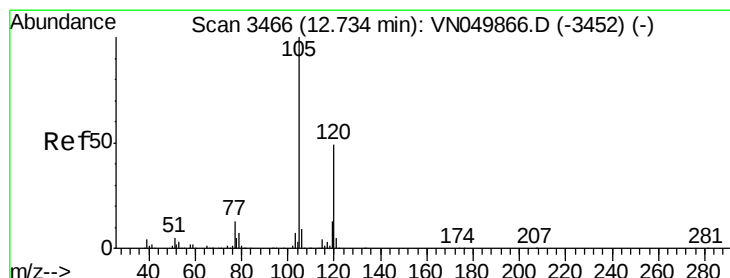
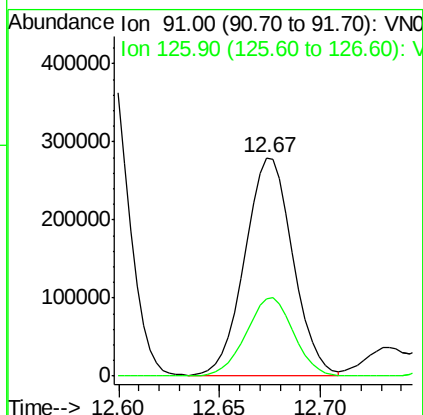
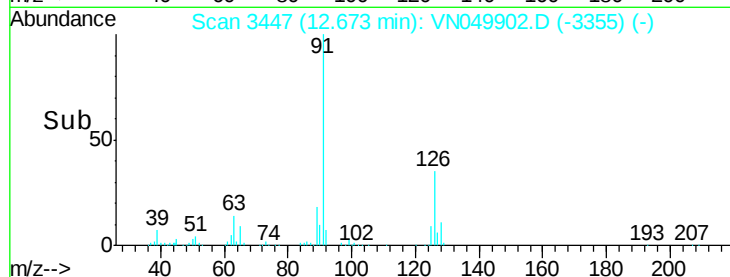
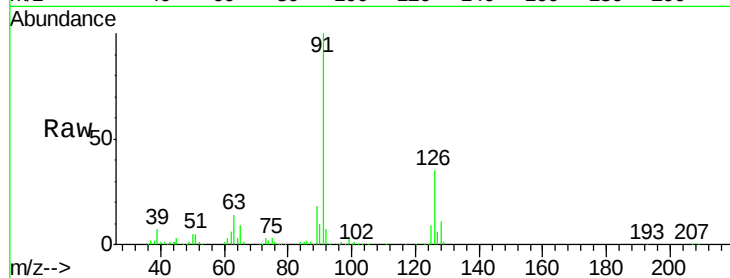
ClientSampled :

Tot Ion: 91 Resp: 463469

Ion Ratio Lower Upper

91 100

126 35.8 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 22.17 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049902.D

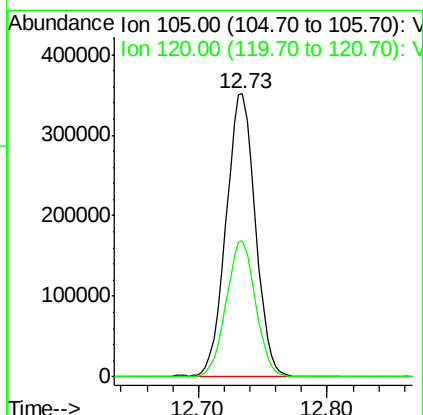
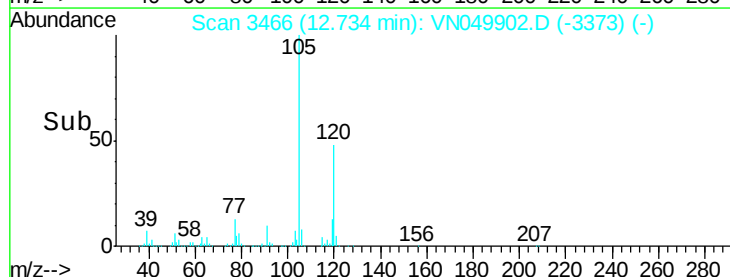
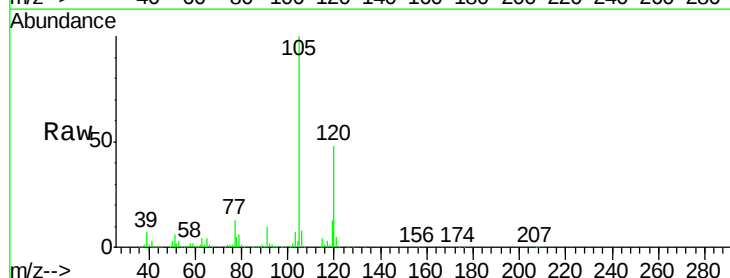
Acq: 19 Jul 2018 4:53

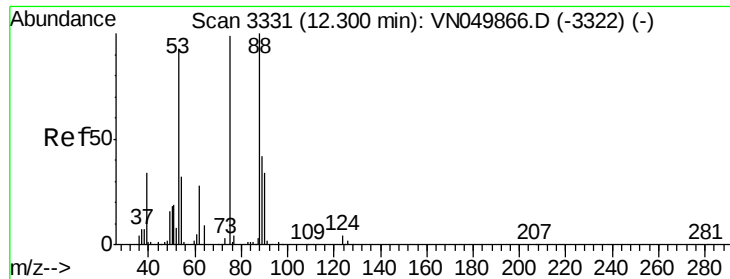
Tgt Ion: 105 Resp: 551759

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8

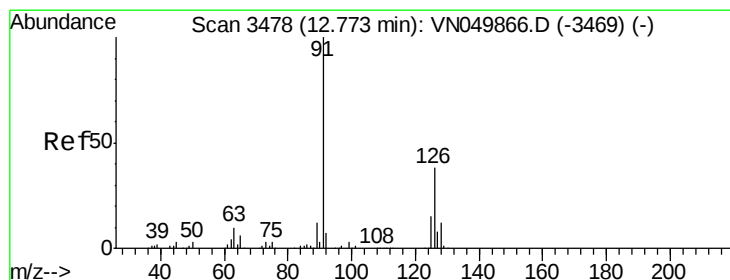
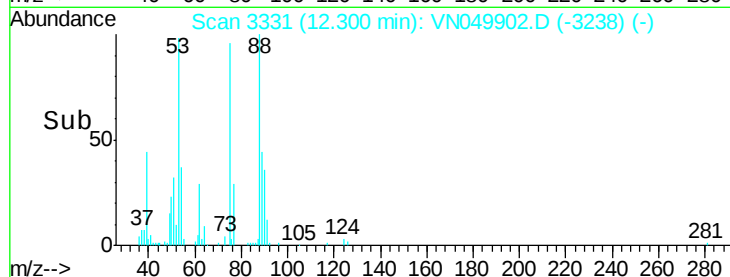
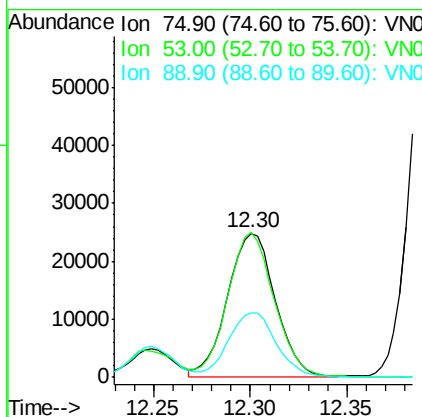
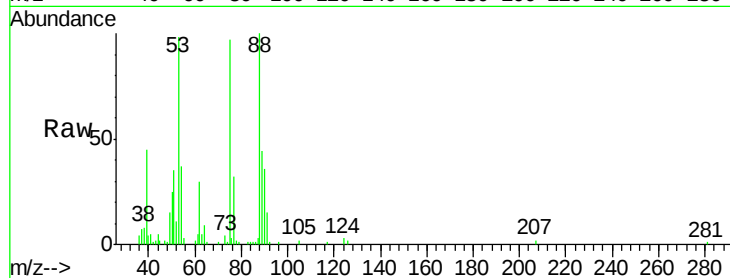




#81
trans-1,4-Dichloro-2-butene
Concen: 17.47 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

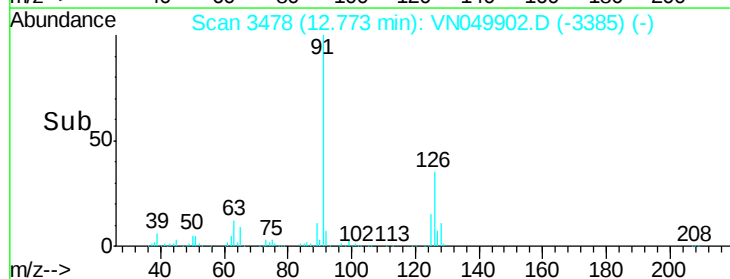
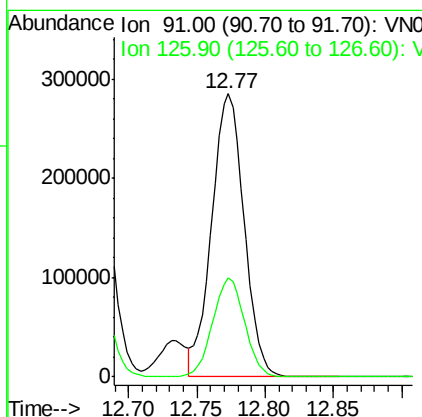
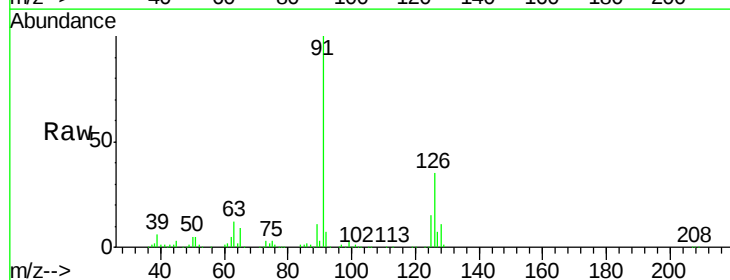
Instrument :
MSVOA_N
ClientSampled :

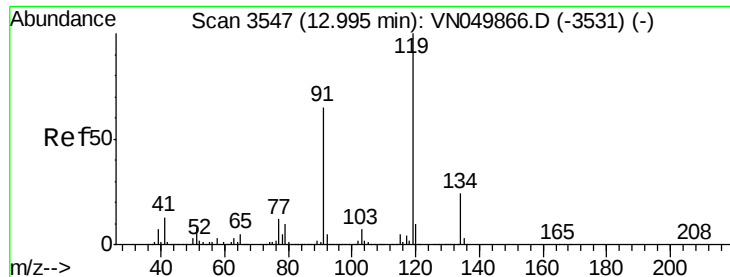
Tot Ion: 75 Resp: 42839
Ion Ratio Lower Upper
75 100
53 97.9 73.9 110.9
89 44.9 35.9 53.9



#82
4-Chlorotoluene
Concen: 21.56 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 91 Resp: 468718
Ion Ratio Lower Upper
91 100
126 34.4 17.2 51.6

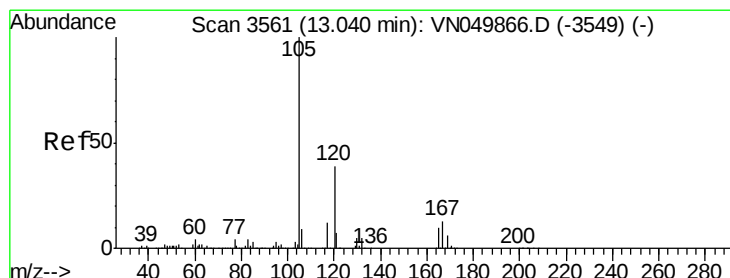
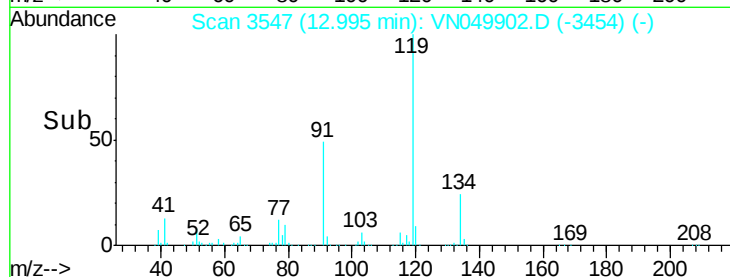
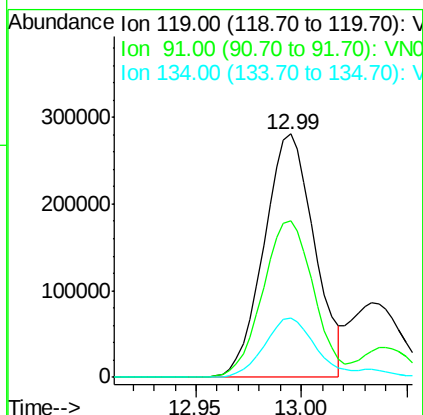
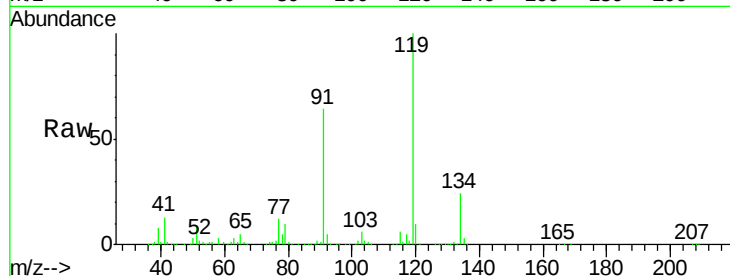




#83
 tert-Butylbenzene
 Concen: 21.39 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

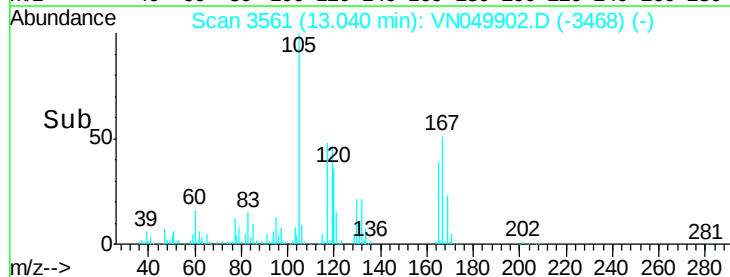
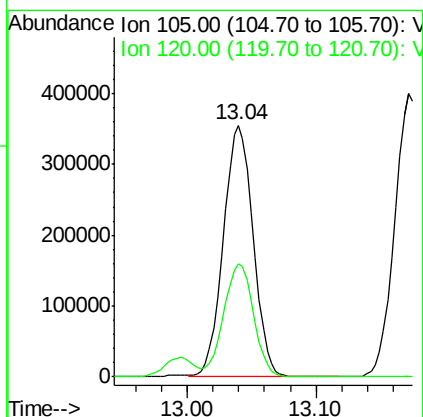
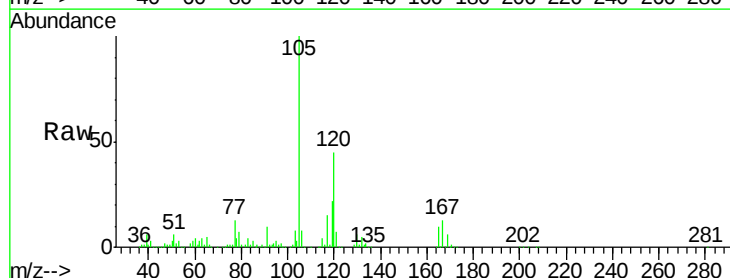
Instrument :
 MSVOA_N
 ClientSampleId :

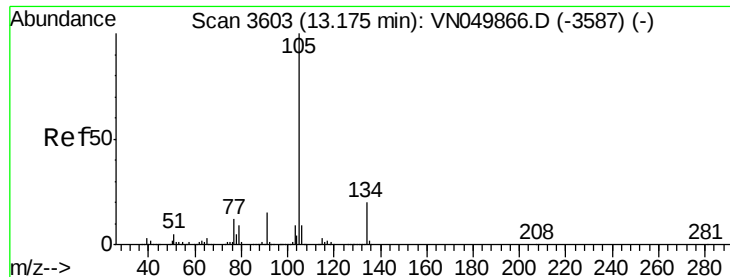
Tot Ion:119 Resp: 467352
 Ion Ratio Lower Upper
 119 100
 91 64.8 32.0 96.2
 134 24.9 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.43 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

Tgt Ion:105 Resp: 565318
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 21.72 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

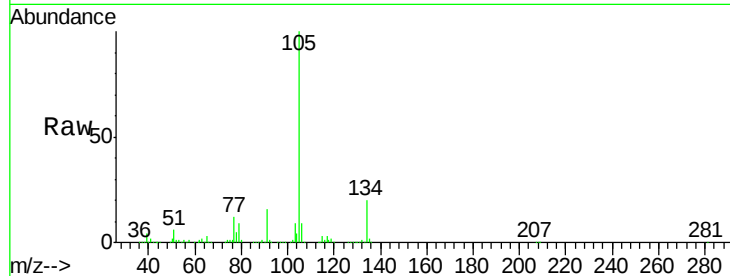
ClientSampleId :

Tot Ion:105 Resp: 627142

Ion Ratio Lower Upper

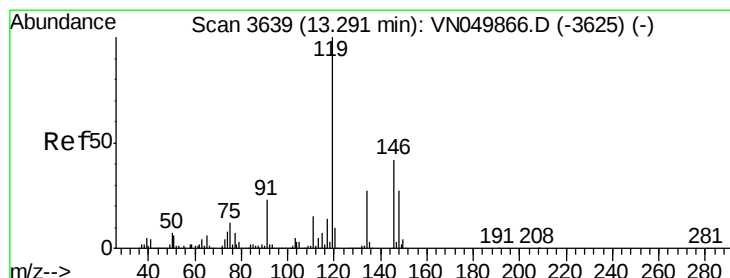
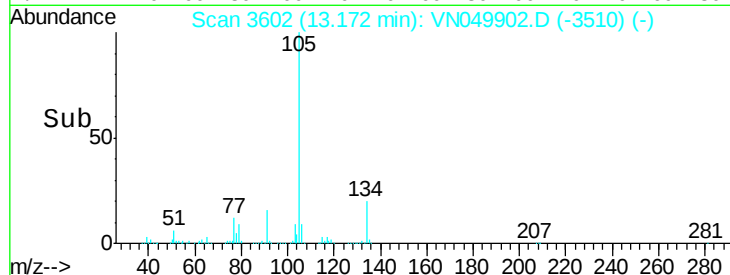
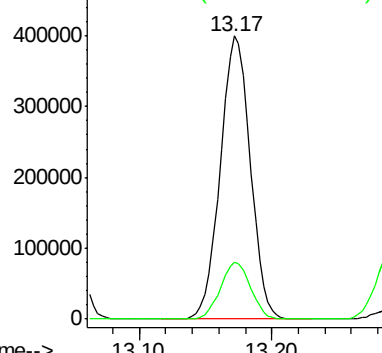
105 100

134 20.2 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.63 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

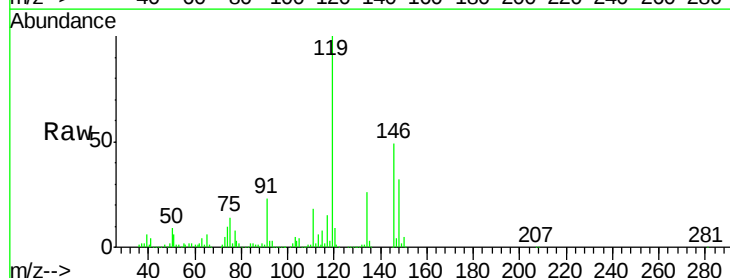
Tgt Ion:119 Resp: 532483

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

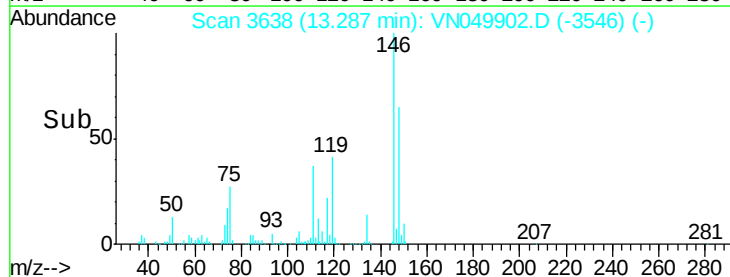
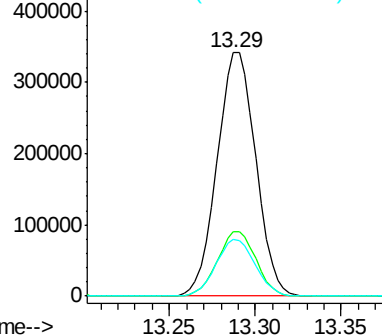
91 23.5 11.4 34.1

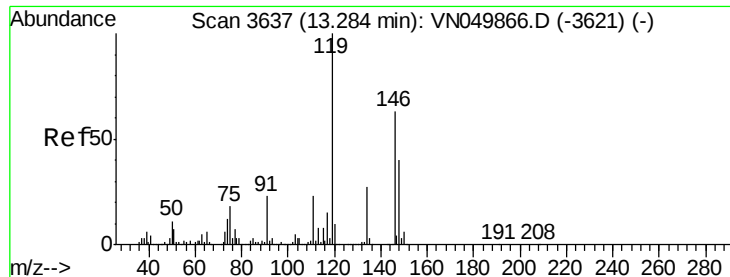


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

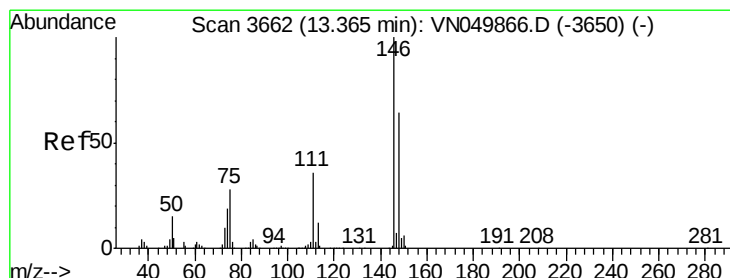
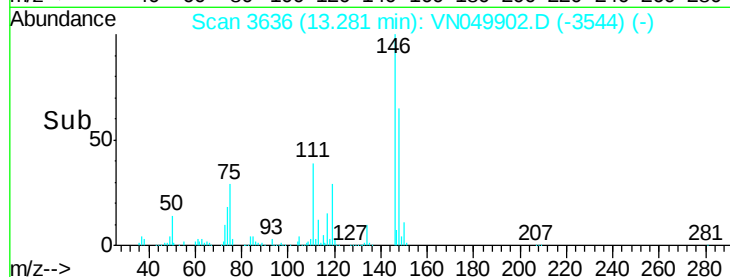
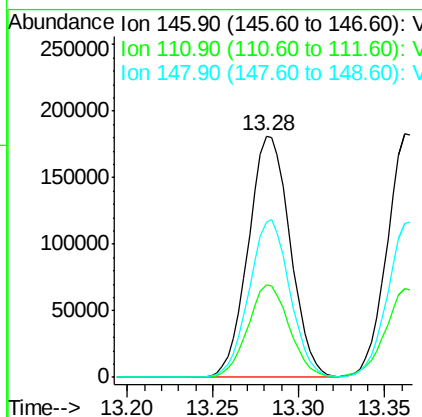
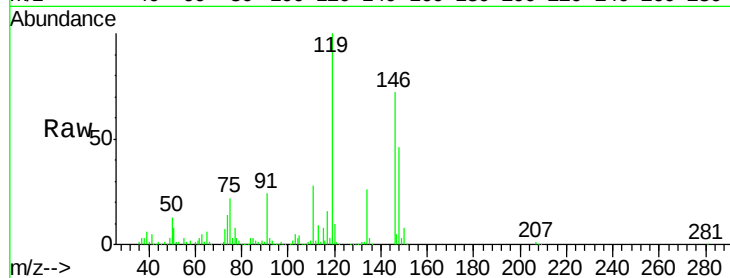




#87
 1,3-Dichlorobenzene
 Concen: 20.53 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

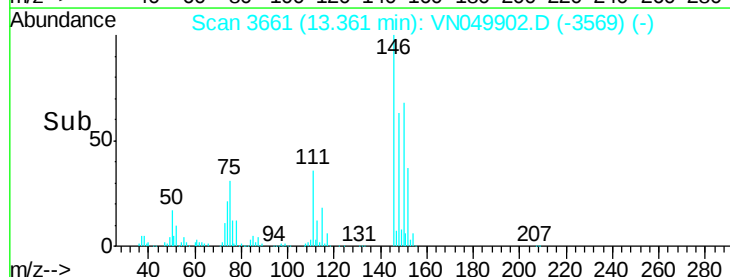
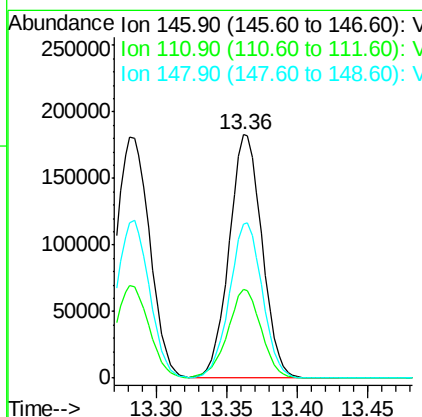
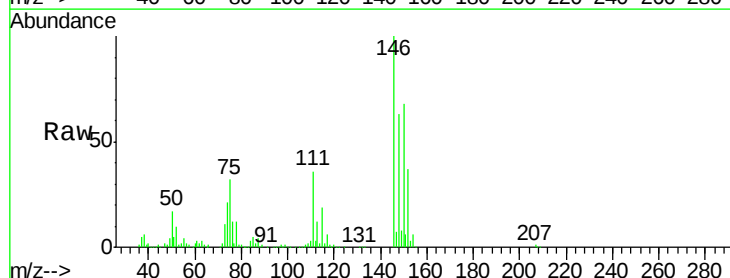
Instrument :
 MSVOA_N
 ClientSampled :

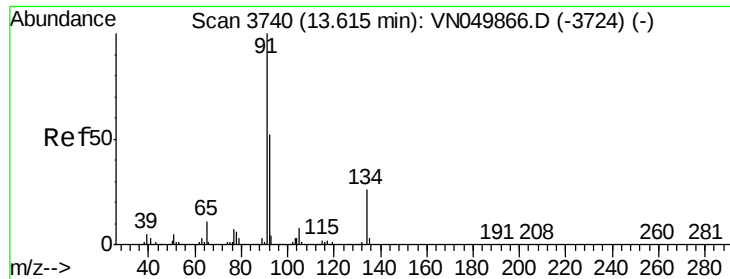
Tot Ion:146 Resp: 306621
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.0 57.0
 148 63.6 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.90 ug/l
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

Tgt Ion:146 Resp: 298074
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.9 56.5
 148 63.7 32.1 96.3

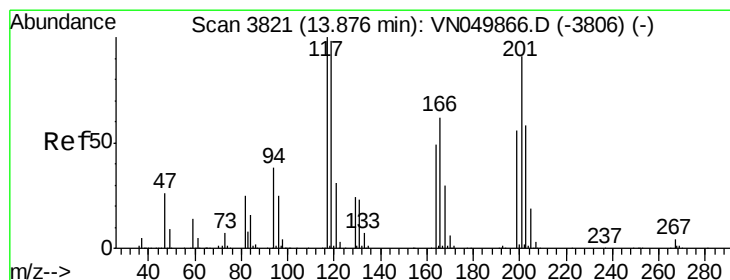
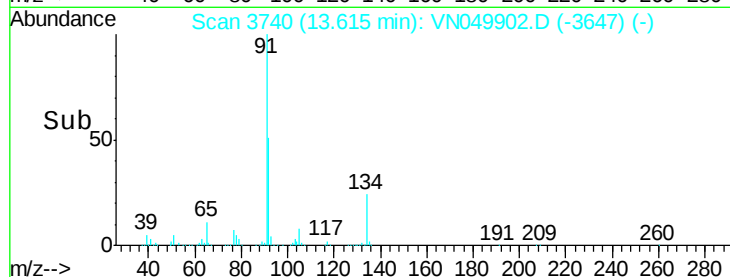
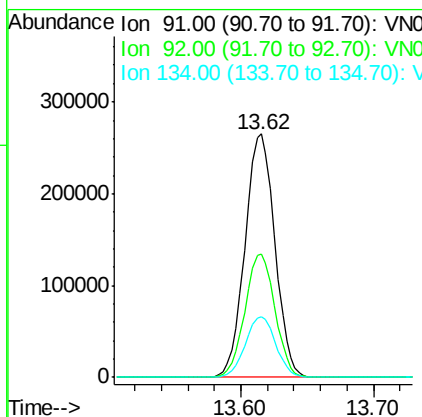
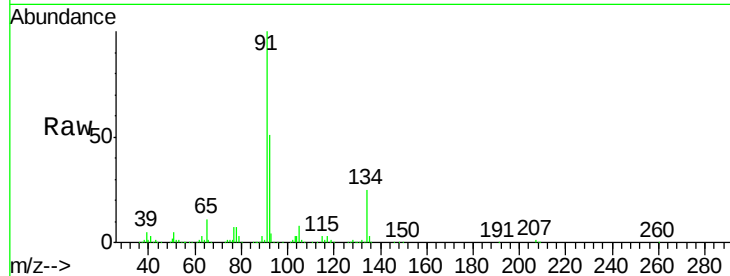




#89
n-Butylbenzene
Concen: 20.42 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

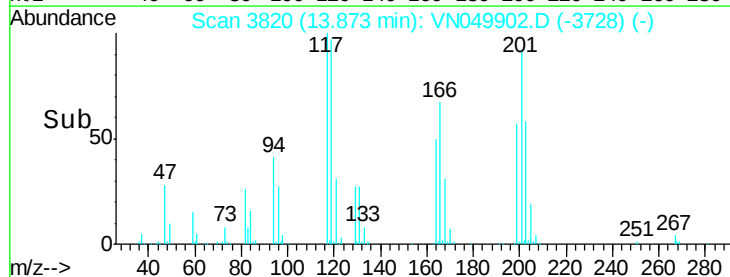
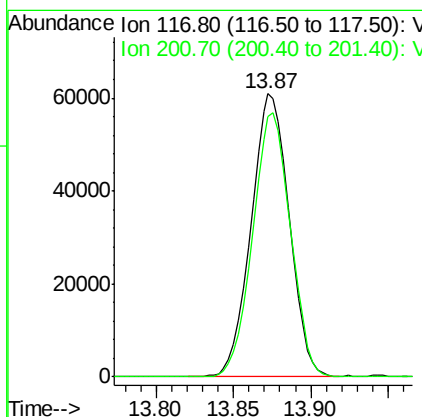
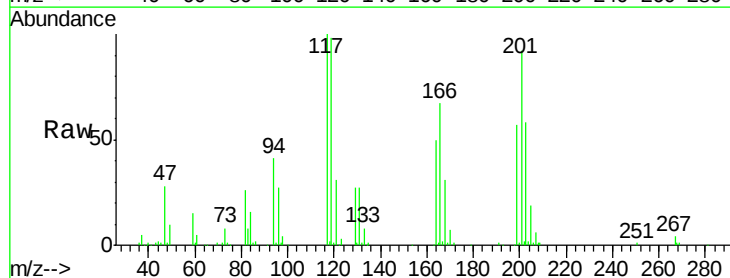
Instrument :
MSVOA_N
ClientSampled :

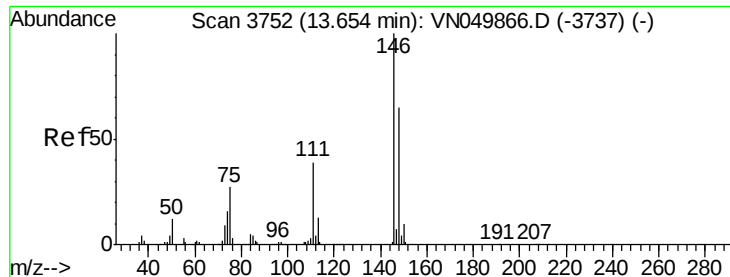
Tot Ion: 91 Resp: 415078
Ion Ratio Lower Upper
91 100
92 51.0 25.8 77.3
134 25.2 13.0 38.9



#90
Hexachloroethane
Concen: 18.89 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN049902.D
Acq: 19 Jul 2018 4:53

Tgt Ion: 117 Resp: 104384
Ion Ratio Lower Upper
117 100
201 92.6 45.3 135.8

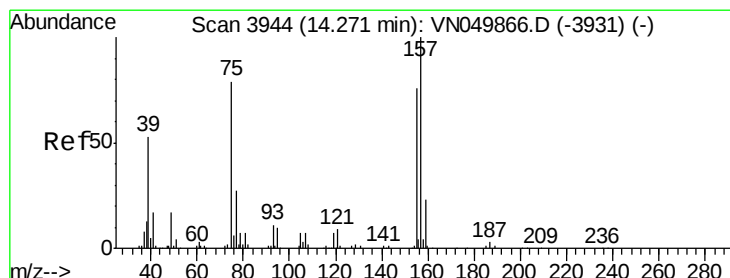
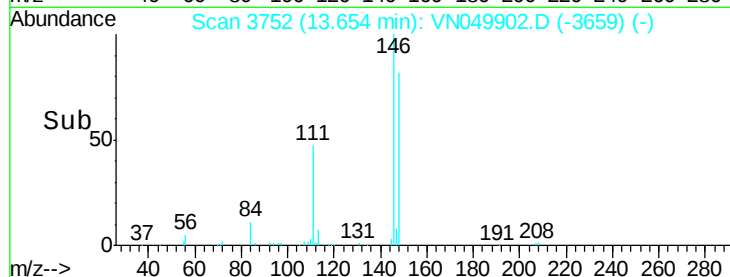
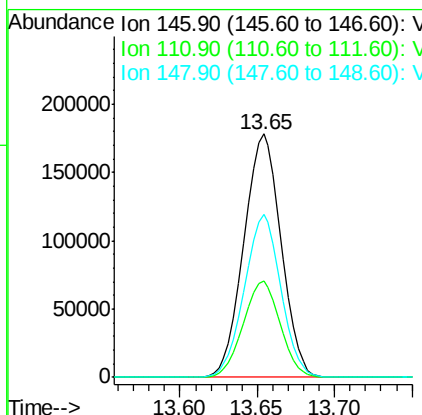
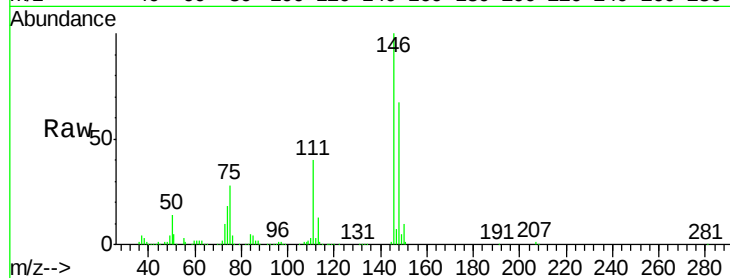




#91
 1,2-Dichlorobenzene
 Concen: 20.38 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

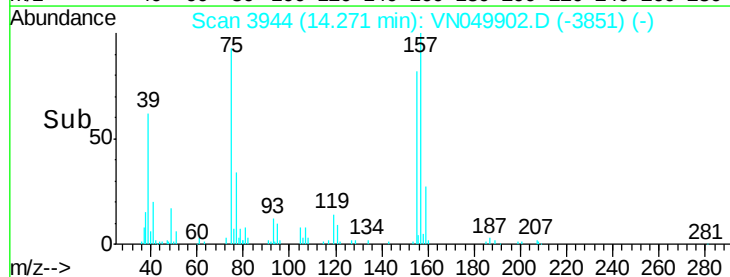
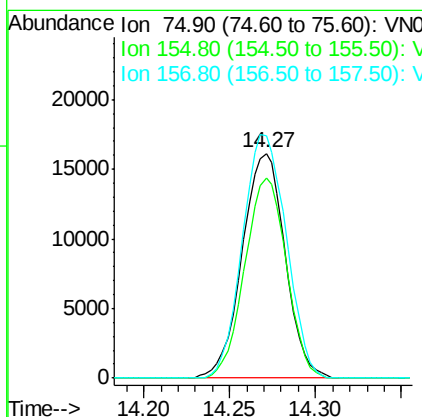
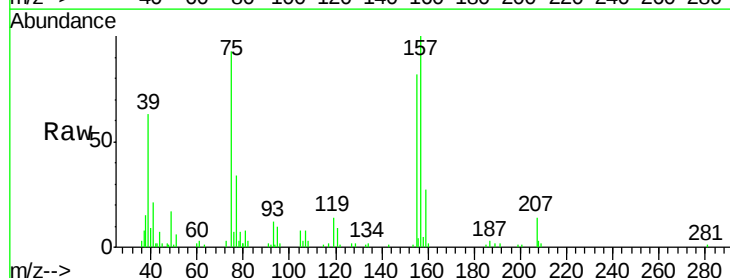
Instrument :
 MSVOA_N
 ClientSampleId :

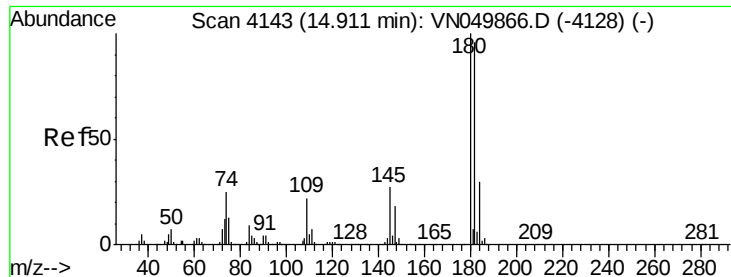
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	65.5	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.45 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	45.7	137.1
157	110.6	56.9	170.7

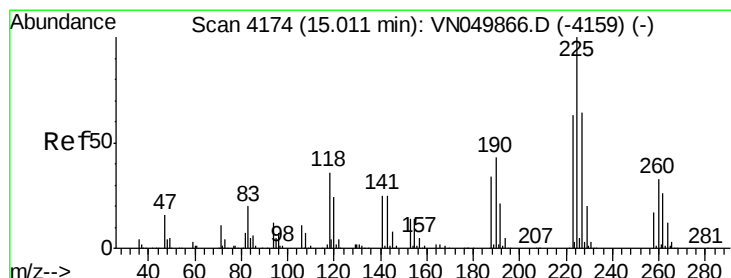
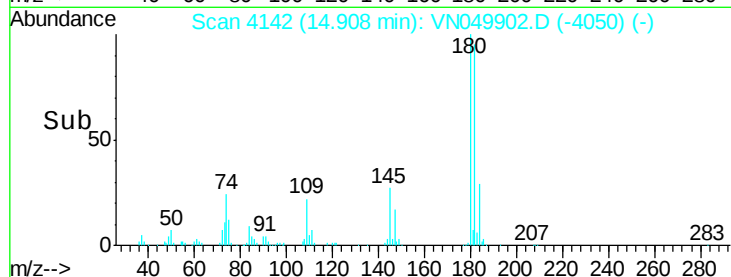
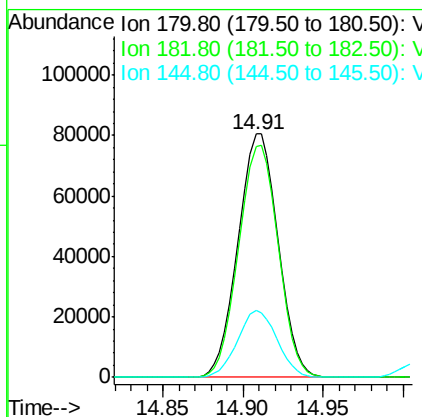
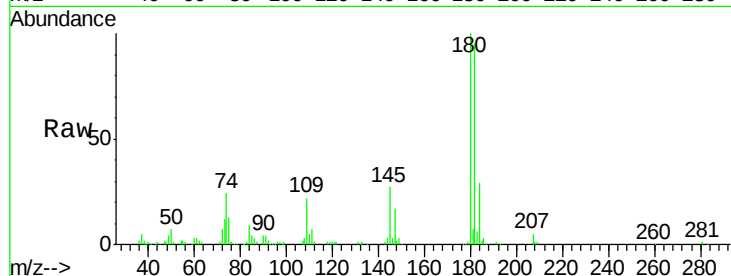




#93
 1,2,4-Trichlorobenzene
 Concen: 19.27 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

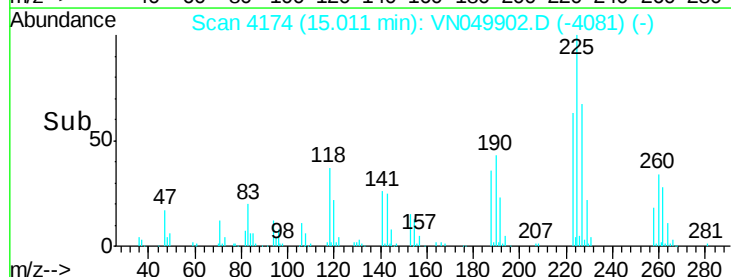
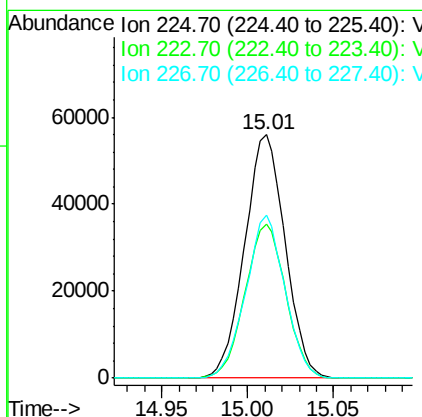
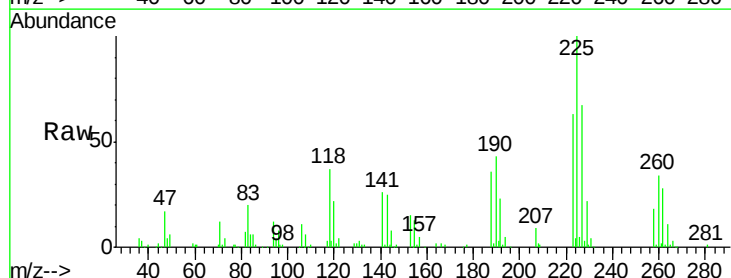
Instrument :
 MSVOA_N
 ClientSampled :

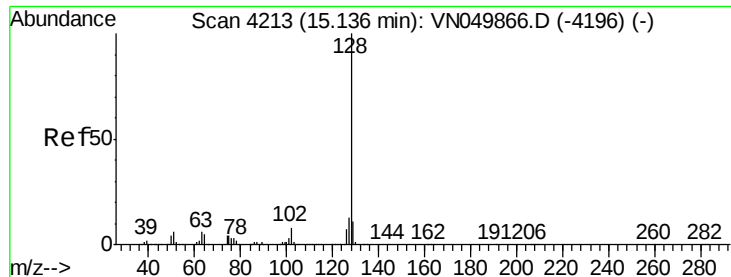
Tot Ion:180 Resp: 137412
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.3 141.9
 145 27.1 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 19.06 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049902.D
 Acq: 19 Jul 2018 4:53

Tgt Ion:225 Resp: 91740
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.9 92.7
 227 64.5 31.8 95.4





#95

Naphthalene

Concen: 18.18 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

Instrument :

MSVOA_N

ClientSampleId :

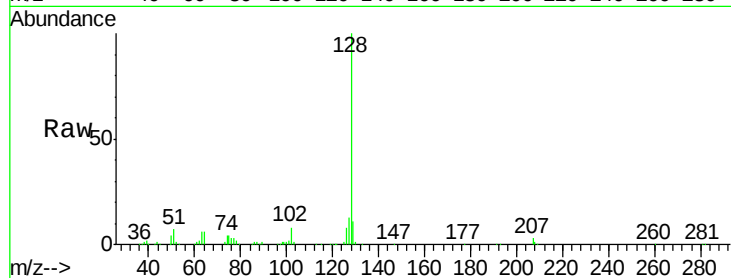
Tot Ion:128 Resp: 291130

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

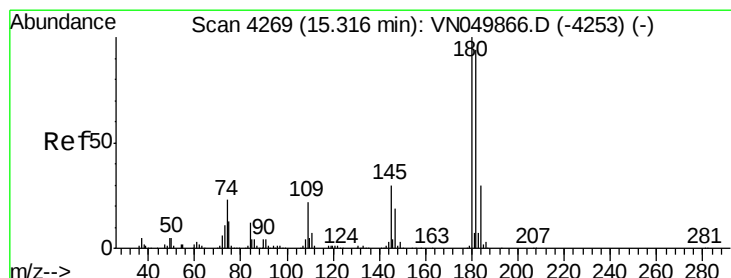
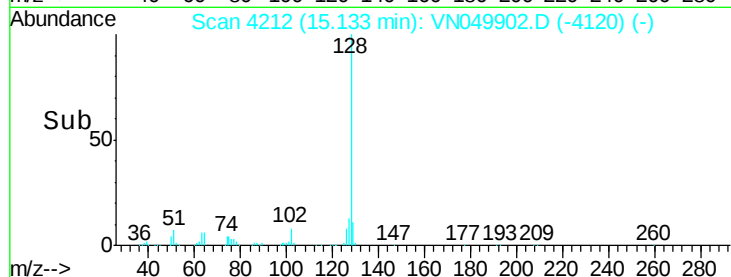
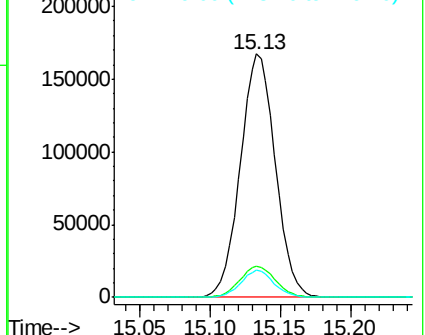
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.79 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049902.D

Acq: 19 Jul 2018 4:53

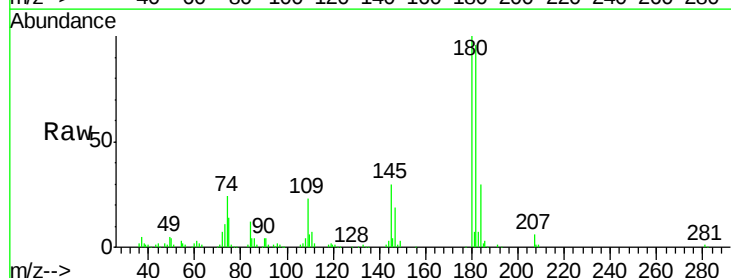
Tgt Ion:180 Resp: 139449

Ion Ratio Lower Upper

180 100

182 97.1 47.4 142.2

145 30.7 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

