

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049903.D
 Acq On : 19 Jul 2018 5:18
 Operator : MD\SY
 Sample : VN0718WBS05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 06:10:55 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	609125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	922983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	824471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	412834	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	421116	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	380530	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
50) Toluene-d8	10.09	98	1380954	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.40	95	453643	46.66	ug/l	0.00
Spiked Amount			Recovery	=	93.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	115564	19.94	ug/l	98
3) Chloromethane	2.06	50	152734	18.37	ug/l	98
4) Vinyl Chloride	2.18	62	168596	19.01	ug/l	99
5) Bromomethane	2.56	94	102099	19.43	ug/l	100
6) Chloroethane	2.70	64	107507	18.56	ug/l	96
7) Trichlorofluoromethane	3.01	101	232495	19.07	ug/l	98
8) Diethyl Ether	3.41	74	84382	19.84	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	140572	18.70	ug/l	99
10) Methyl Iodide	3.95	142	193918	19.23	ug/l	99
11) Tert butyl alcohol	4.80	59	51984	87.16	ug/l	99
12) 1,1-Dichloroethene	3.73	96	127333	19.28	ug/l	98
13) Acrolein	3.61	56	33608	87.45	ug/l	95
14) Allyl chloride	4.32	41	201159	19.32	ug/l	98
15) Acrylonitrile	4.99	53	244873	93.35	ug/l	98
16) Acetone	3.82	43	178418	82.31	ug/l	98
17) Carbon Disulfide	4.05	76	359751	18.21	ug/l	99
18) Methyl Acetate	4.33	43	145358	20.86	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	370601	20.40	ug/l	99
20) Methylene Chloride	4.55	84	153602	18.63	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	140176	19.99	ug/l	98
22) Diisopropyl ether	5.96	45	454797	21.41	ug/l	99
23) Vinyl Acetate	5.90	43	1489348	99.92	ug/l	100
24) 1,1-Dichloroethane	5.85	63	272131	19.95	ug/l	99
25) 2-Butanone	6.84	43	280149	90.43	ug/l	97
26) 2,2-Dichloropropane	6.82	77	166020	15.65	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	161301	20.96	ug/l	95
28) Bromochloromethane	7.19	49	128738	20.90	ug/l	99
29) Tetrahydrofuran	7.22	42	185476	95.04	ug/l	100
30) Chloroform	7.37	83	278618	19.90	ug/l	100
31) Cyclohexane	7.65	56	223275	20.11	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	240139	19.85	ug/l	99
36) 1,1-Dichloropropene	7.79	75	200306	19.52	ug/l	100
37) Ethyl Acetate	6.93	43	131669	18.68	ug/l	98
38) Carbon Tetrachloride	7.77	117	212452	19.33	ug/l	98

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

39) Methylcyclohexane	9.08	83	201013	18.96	ug/l	97
40) Benzene	8.04	78	617894	19.75	ug/l	100
41) Methacrylonitrile	7.17	41	58278	16.50	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	201118	19.41	ug/l	99
43) Isopropyl Acetate	8.17	43	259078	21.04	ug/l	98
44) Trichloroethene	8.83	130	161817	19.73	ug/l	100
45) 1,2-Dichloropropane	9.12	63	163083	19.33	ug/l	99
46) Dibromomethane	9.21	93	98240	18.77	ug/l	99
47) Bromodichloromethane	9.40	83	211803	19.57	ug/l	100
48) Methyl methacrylate	9.20	41	114317	18.51	ug/l	100
49) 1,4-Dioxane	9.20	88	30637	349.70	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	651955	94.73	ug/l	100
52) Toluene	10.16	92	380634	20.40	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	195137	18.24	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	225835	19.10	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144887	18.80	ug/l	98
56) Ethyl methacrylate	10.43	69	173075	18.16	ug/l	99
57) 1,3-Dichloropropane	10.71	76	235643	19.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	414359	100.91	ug/l	100
59) 2-Hexanone	10.75	43	422144	91.32	ug/l	99
60) Dibromochloromethane	10.90	129	158577	18.76	ug/l	100
61) 1,2-Dibromoethane	11.01	107	138091	19.17	ug/l	100
64) Tetrachloroethene	10.63	164	148188	20.00	ug/l	99
65) Chlorobenzene	11.43	112	413440	19.96	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154333	19.23	ug/l	98
67) Ethyl Benzene	11.51	91	679322	20.22	ug/l	99
68) m/p-Xylenes	11.62	106	534118	41.99	ug/l	97
69) o-Xylene	11.95	106	253320	20.73	ug/l	97
70) Styrene	11.96	104	409220	20.68	ug/l	100
71) Bromoform	12.13	173	108544	18.91	ug/l #	100
73) Isopropylbenzene	12.25	105	674966	21.52	ug/l	100
74) N-amyl acetate	12.07	43	187875	19.68	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	177582	18.90	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	211385	27.30	ug/l #	100
77) Bromobenzene	12.53	156	176714	20.41	ug/l	99
78) n-propylbenzene	12.59	91	769747	21.59	ug/l	100
79) 2-Chlorotoluene	12.67	91	464596	21.22	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	555938	22.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40700	16.43	ug/l	93
82) 4-Chlorotoluene	12.77	91	469565	21.38	ug/l	99
83) tert-Butylbenzene	12.99	119	467316	21.17	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	564186	22.16	ug/l	99
85) sec-Butylbenzene	13.17	105	633869	21.73	ug/l	100
86) p-Isopropyltoluene	13.29	119	538456	21.65	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	305614	20.26	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	293065	19.37	ug/l	98
89) n-Butylbenzene	13.62	91	418677	20.39	ug/l	99
90) Hexachloroethane	13.88	117	107696	19.30	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	298852	20.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26424	18.20	ug/l	99

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QLast Update : Wed Jul 18 13:09:48 2018
Response via : Initial Calibration

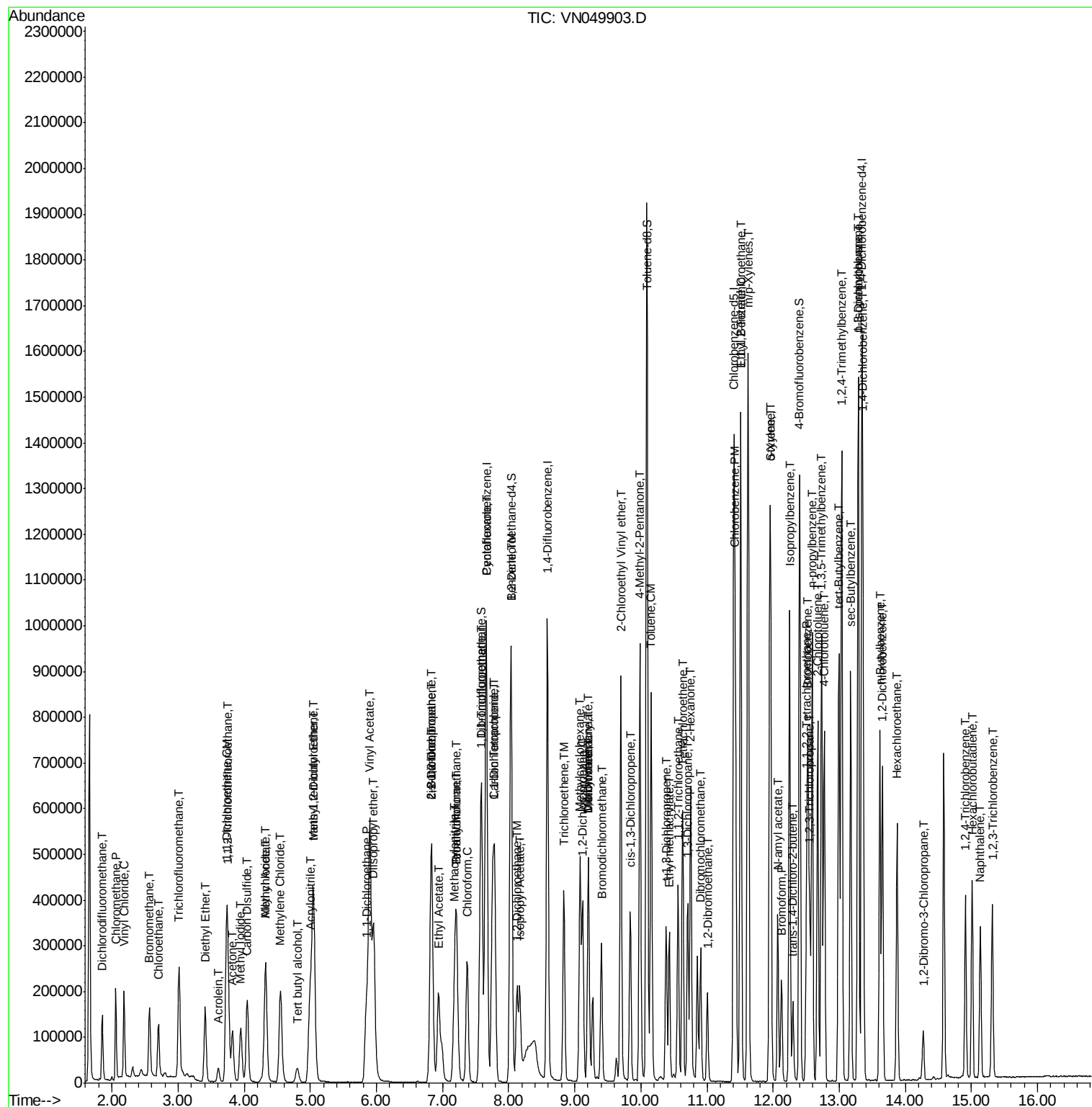
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136240	18.97	ug/l	100
94) Hexachlorobutadiene	15.01	225	91863	18.90	ug/l	98
95) Naphthalene	15.13	128	289902	17.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	141513	19.88	ug/l	99

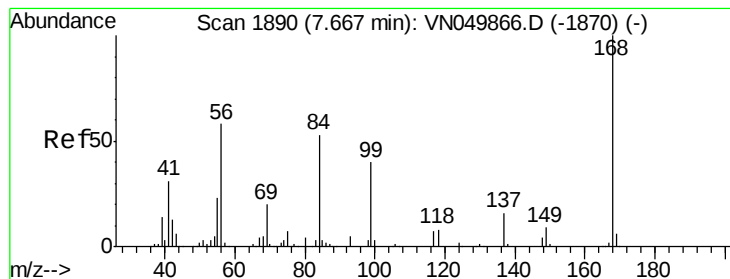
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

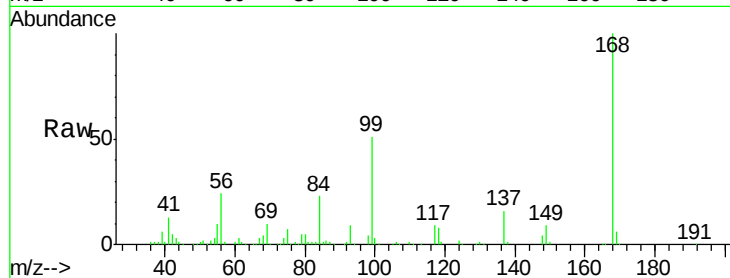
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 609125

Ion Ratio Lower Upper

168 100

99 50.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

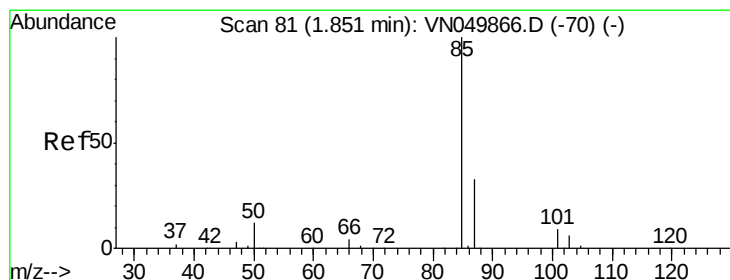
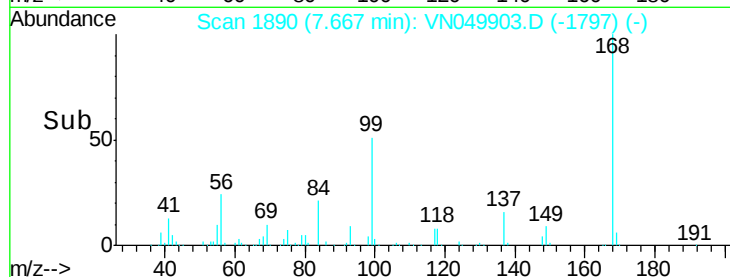
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 19.94 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049903.D

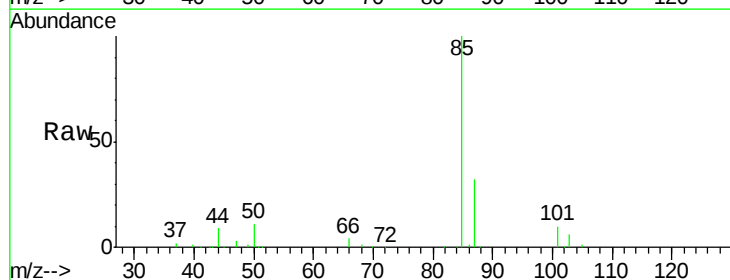
Acq: 19 Jul 2018 5:18

Tgt Ion: 85 Resp: 115564

Ion Ratio Lower Upper

85 100

87 32.1 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

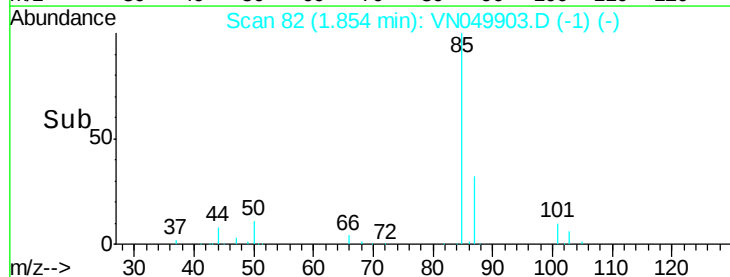
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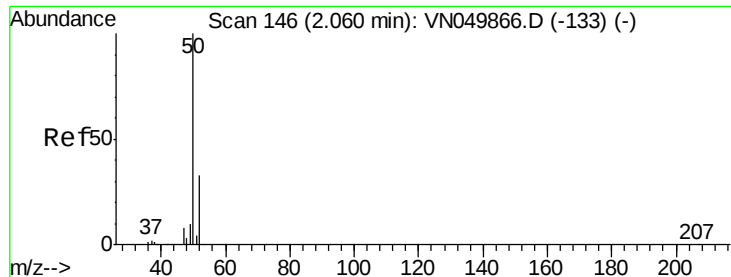
40000

20000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.37 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

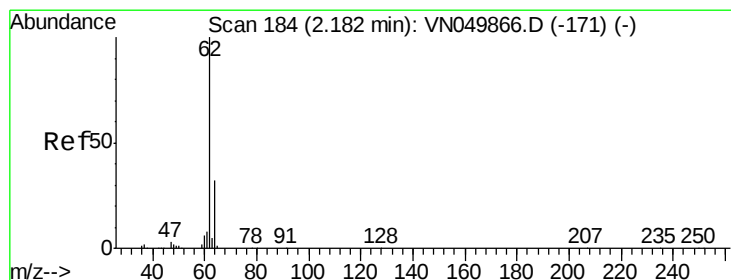
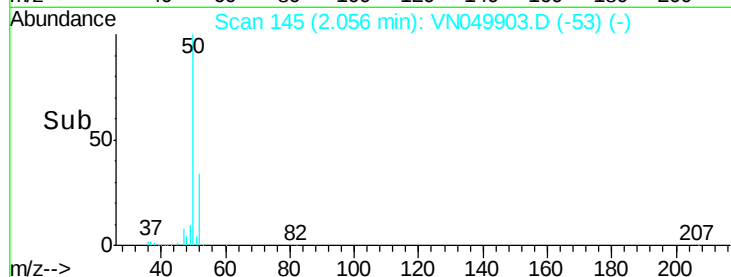
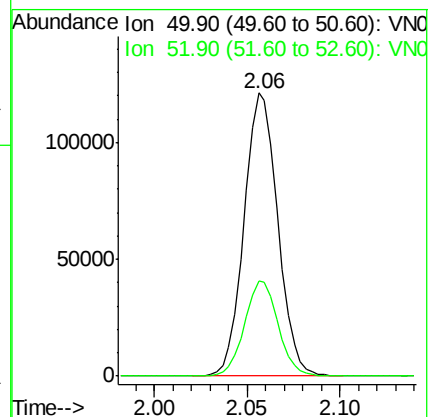
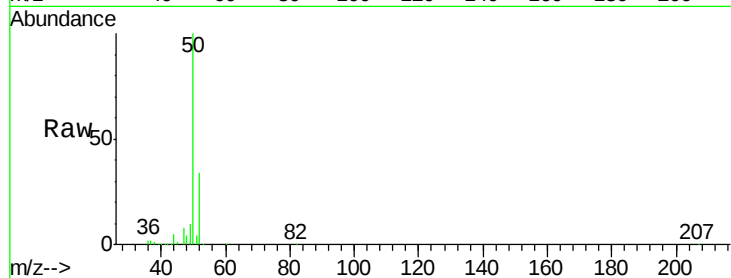
ClientSampled :

Tot Ion: 50 Resp: 152734

Ion Ratio Lower Upper

50 100

52 33.6 26.1 39.1



#4

Vinyl Chloride

Concen: 19.01 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049903.D

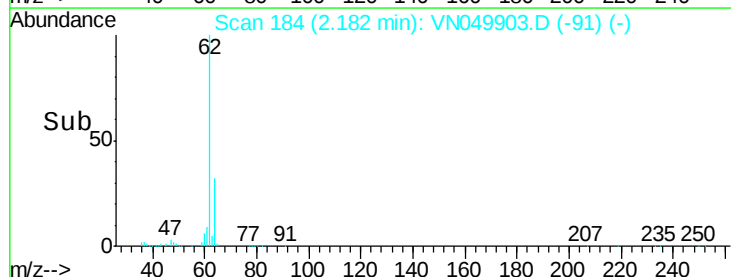
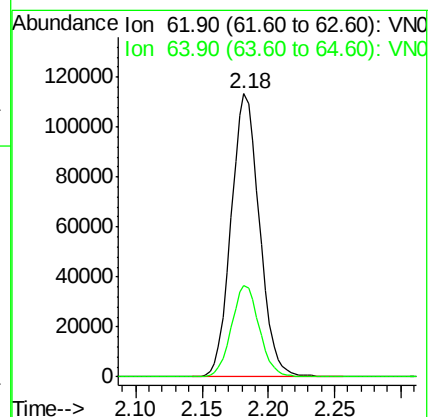
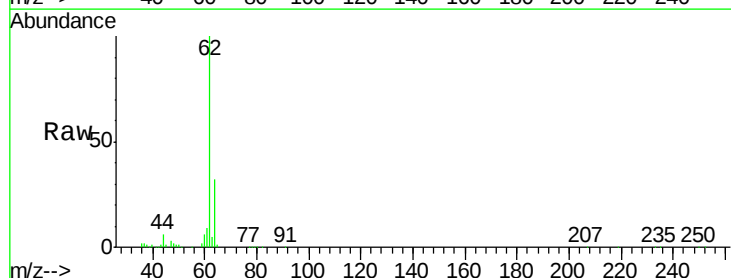
Acq: 19 Jul 2018 5:18

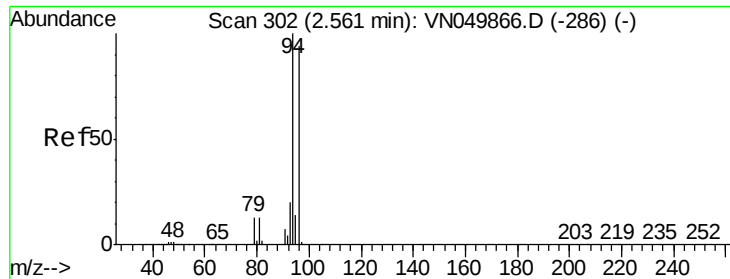
Tgt Ion: 62 Resp: 168596

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 19.43 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

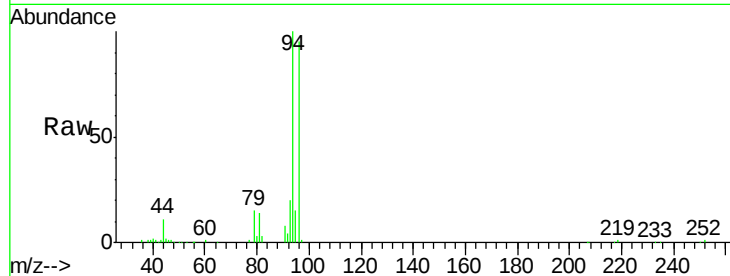
ClientSampleId :

Tot Ion: 94 Resp: 102099

Ion Ratio Lower Upper

94 100

96 94.7 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN049903.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN049903.D (-209) (-)

2.56

60000

50000

40000

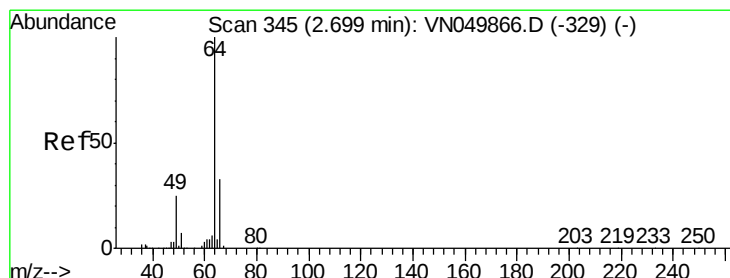
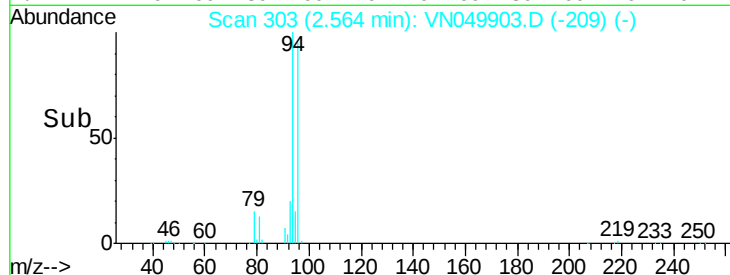
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 18.56 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049903.D

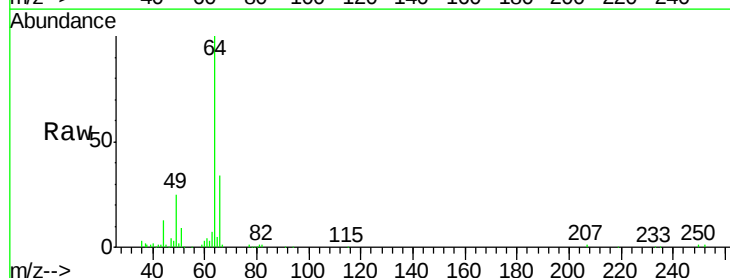
Acq: 19 Jul 2018 5:18

Tgt Ion: 64 Resp: 107507

Ion Ratio Lower Upper

64 100

66 34.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049903.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN049903.D (-252) (-)

2.70

60000

50000

40000

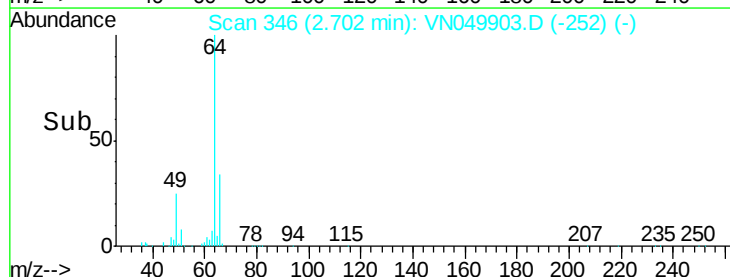
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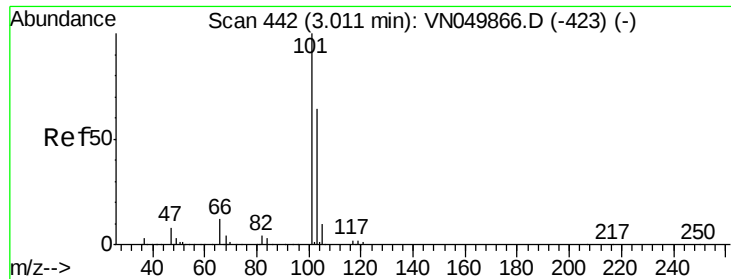
20000

10000

0

Time-->





#7

Trichlorofluoromethane

Concen: 19.07 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

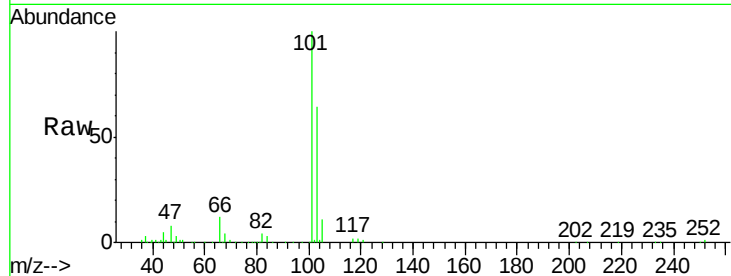
ClientSampleId :

Tot Ion:101 Resp: 232495

Ion Ratio Lower Upper

101 100

103 64.4 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

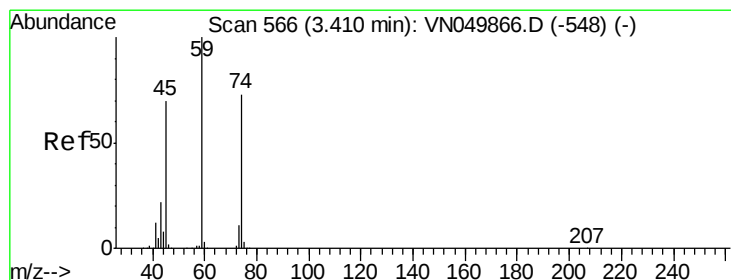
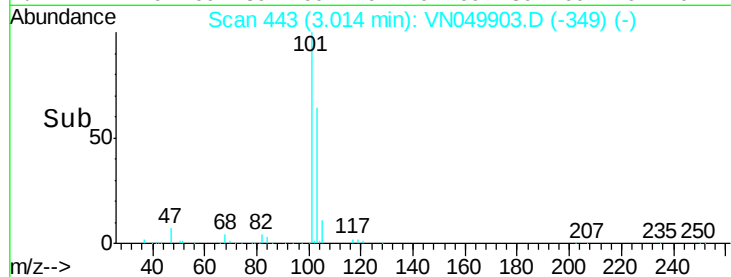
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 19.84 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049903.D

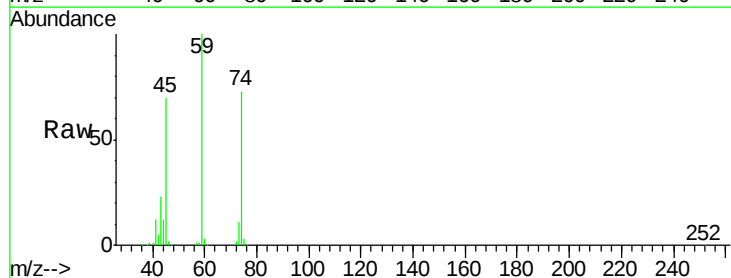
Acq: 19 Jul 2018 5:18

Tgt Ion: 74 Resp: 84382

Ion Ratio Lower Upper

74 100

45 97.7 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

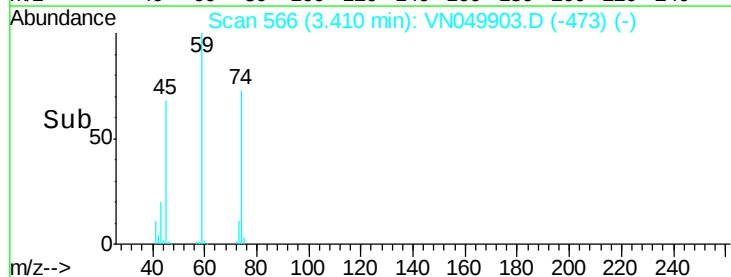
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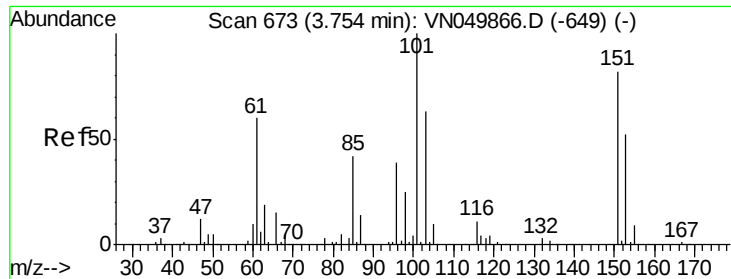
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50

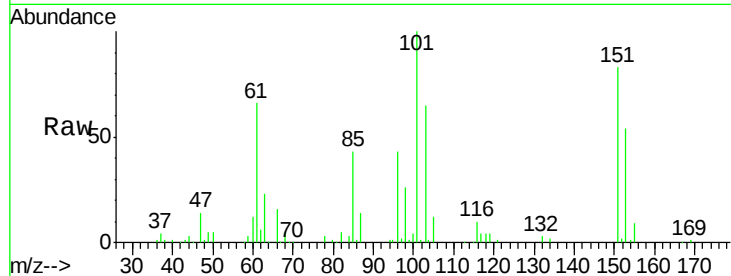




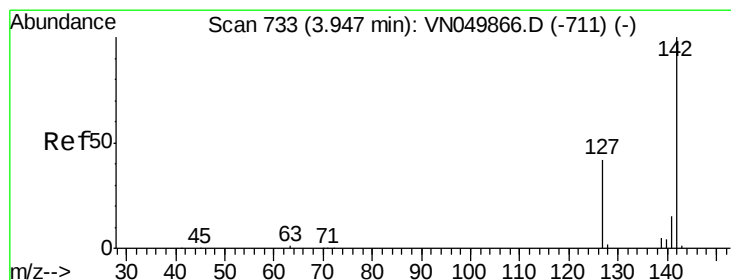
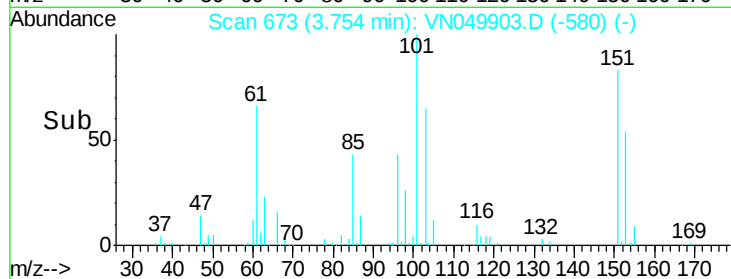
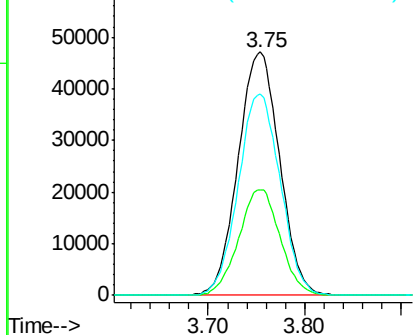
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.70 ug/l
 RT: 3.75 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:101 Resp: 140572
 Ion Ratio Lower Upper
 101 100
 85 43.3 34.4 51.6
 151 83.7 66.2 99.4

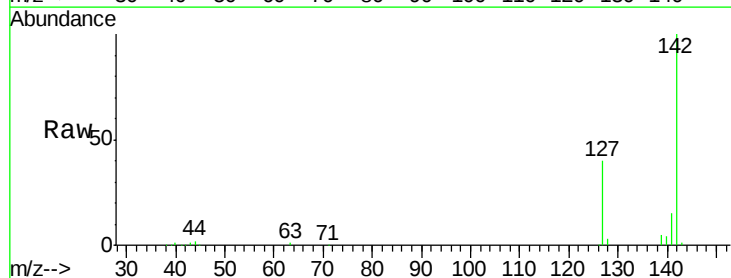


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

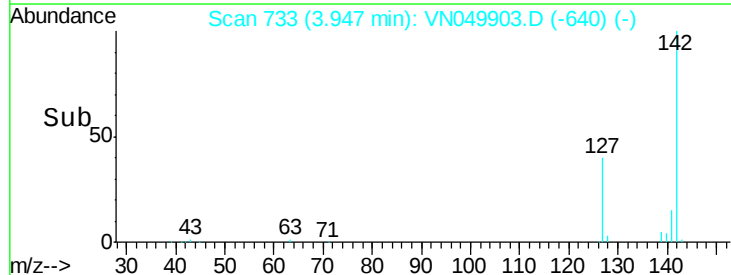
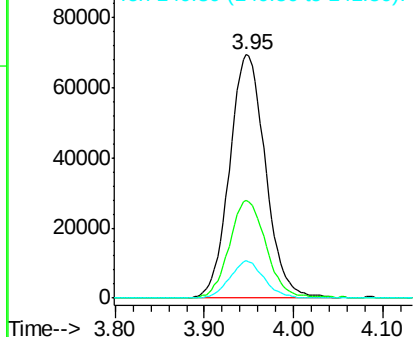


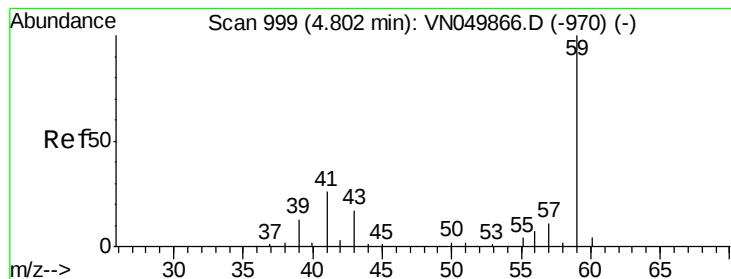
#10
 Methyl Iodide
 Concen: 19.23 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion:142 Resp: 193918
 Ion Ratio Lower Upper
 142 100
 127 40.9 32.5 48.7
 141 14.5 11.1 16.7



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





#11

Tert butyl alcohol

Concen: 87.16 ug/l

RT: 4.80 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

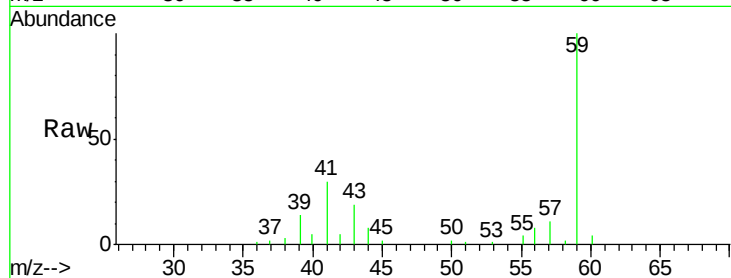
ClientSampleId :

Tot Ion: 59 Resp: 51984

Ion Ratio Lower Upper

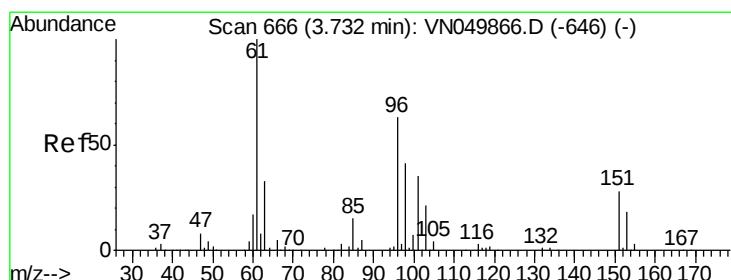
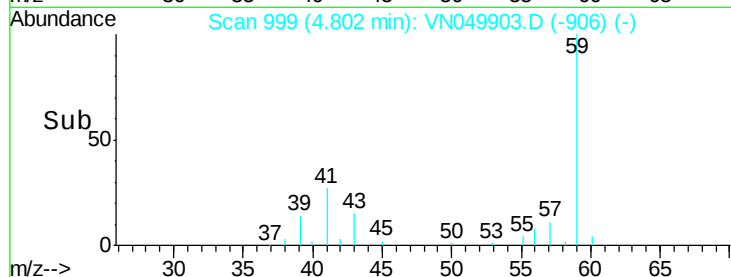
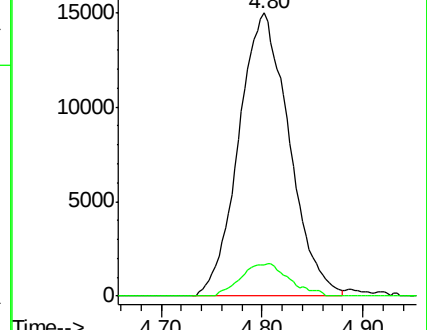
59 100

57 11.0 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN049866.D (-970) (-)

Ion 57.00 (56.70 to 57.70): VN049866.D (-970) (-)



#12

1,1-Dichloroethene

Concen: 19.28 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

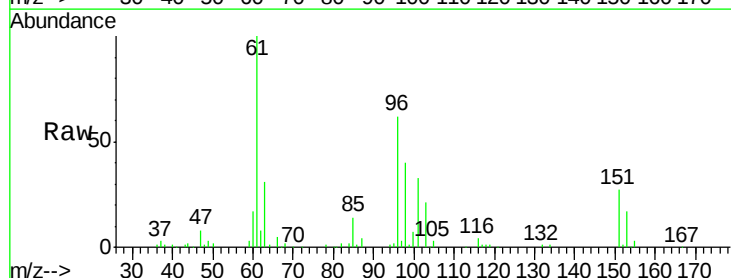
Tgt Ion: 96 Resp: 127333

Ion Ratio Lower Upper

96 100

61 160.9 126.5 189.7

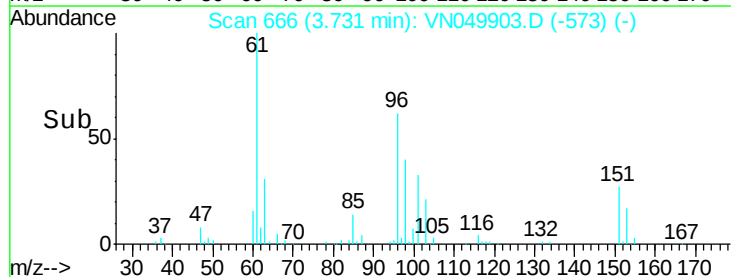
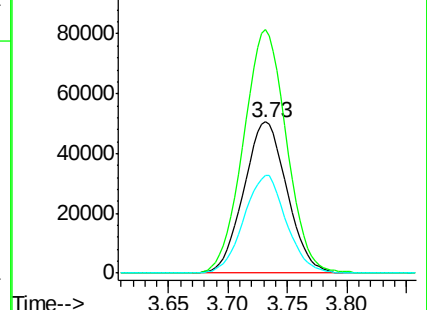
98 64.8 51.0 76.6

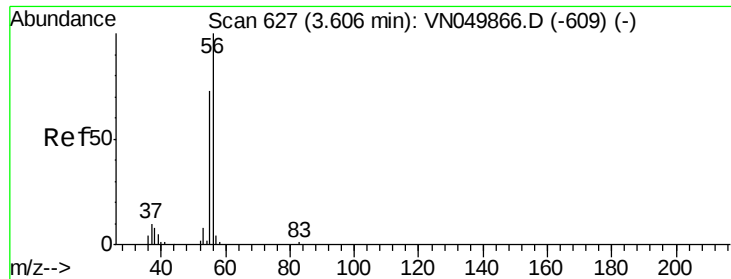


Abundance Ion 95.90 (95.60 to 96.60): VN049866.D (-646) (-)

Ion 60.90 (60.60 to 61.60): VN049866.D (-646) (-)

Ion 97.90 (97.60 to 98.60): VN049866.D (-646) (-)





#13

Acrolein

Concen: 87.45 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

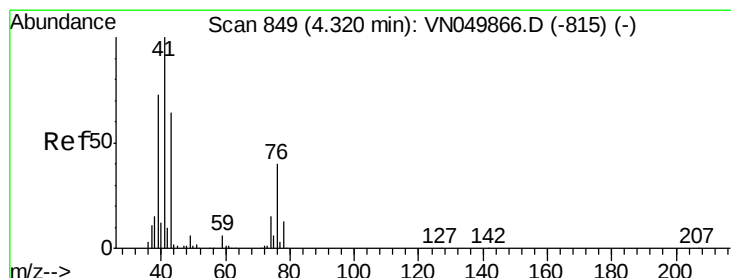
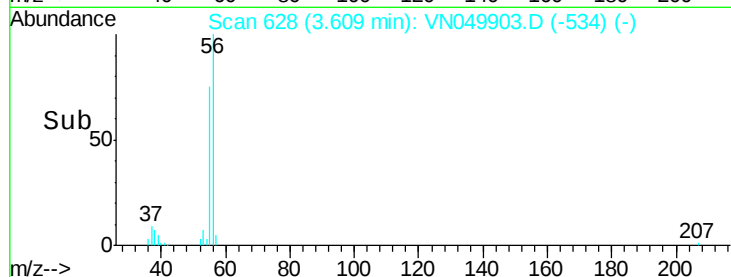
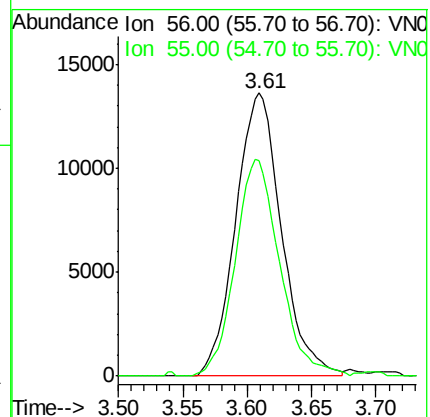
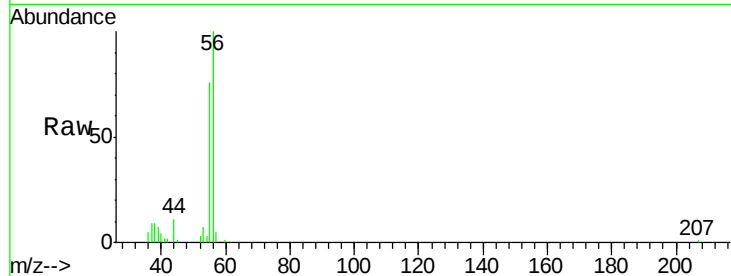
ClientSampled :

Tot Ion: 56 Resp: 33608

Ion Ratio Lower Upper

56 100

55 74.3 55.8 83.8



#14

Allyl chloride

Concen: 19.32 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

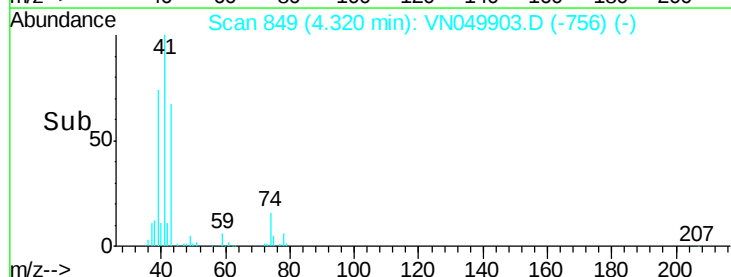
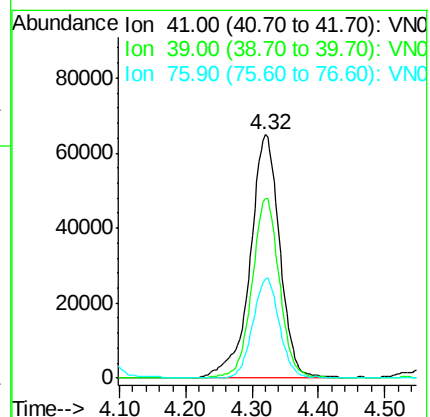
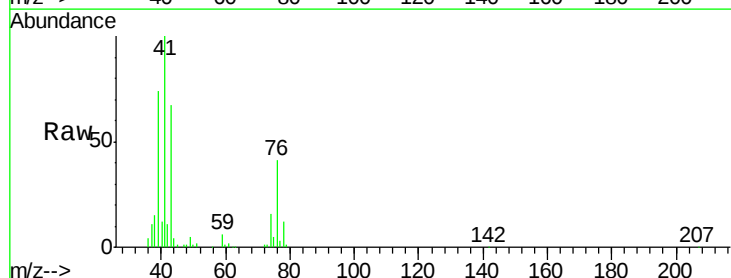
Tgt Ion: 41 Resp: 201159

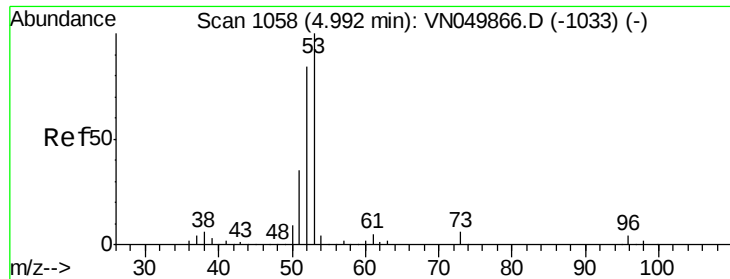
Ion Ratio Lower Upper

41 100

39 68.4 53.2 79.8

76 36.2 29.0 43.6





#15

Acrylonitrile

Concen: 93.35 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

ClientSampleId :

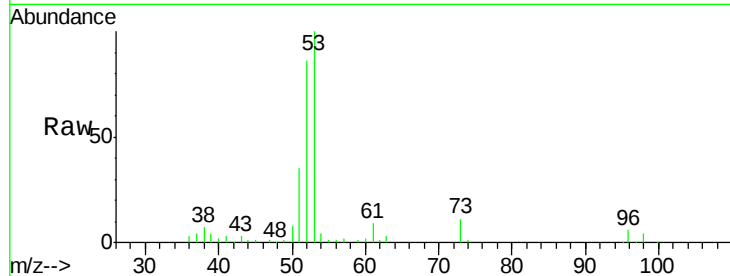
Tot Ion: 53 Resp: 244873

Ion Ratio Lower Upper

53 100

52 82.9 64.8 97.2

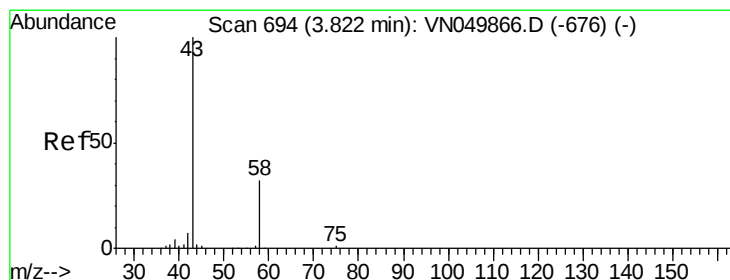
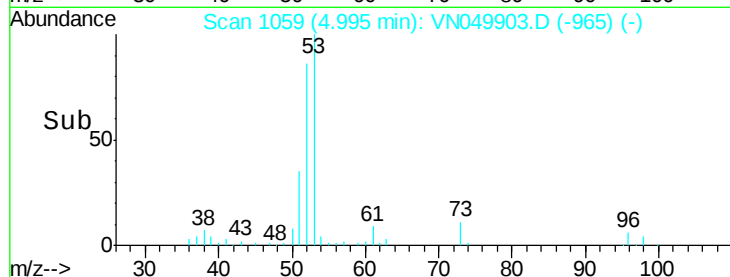
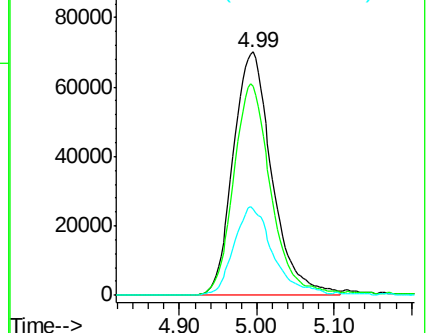
51 36.7 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049866.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN049866.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN049866.D (-1033) (-)



#16

Acetone

Concen: 82.31 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN049903.D

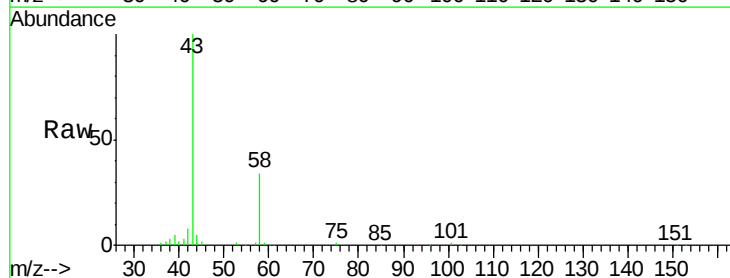
Acq: 19 Jul 2018 5:18

Tgt Ion: 43 Resp: 178418

Ion Ratio Lower Upper

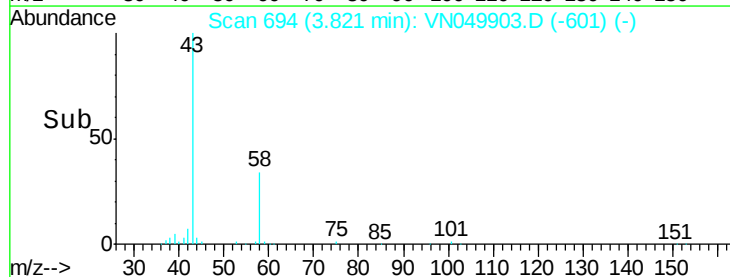
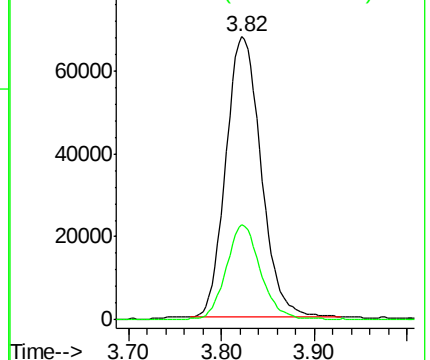
43 100

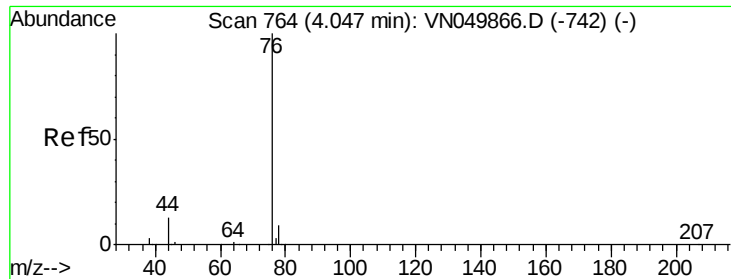
58 33.8 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-676) (-)

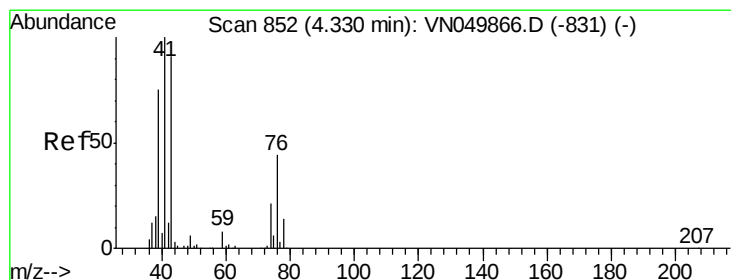
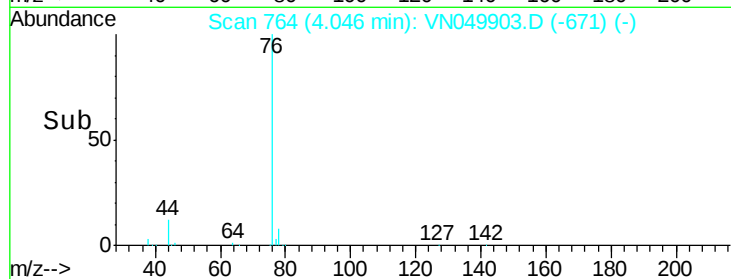
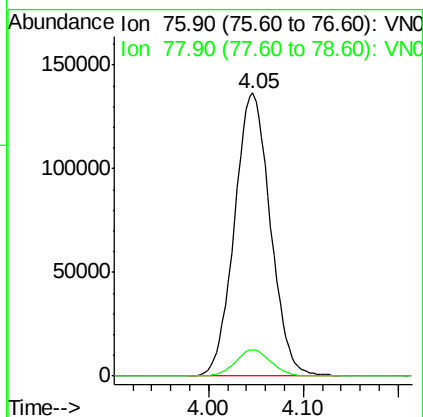
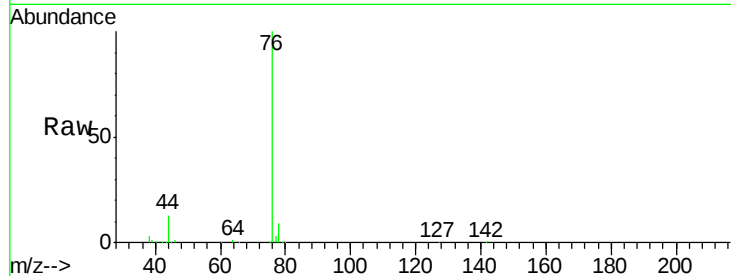




#17
Carbon Disulfide
Concen: 18.21 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

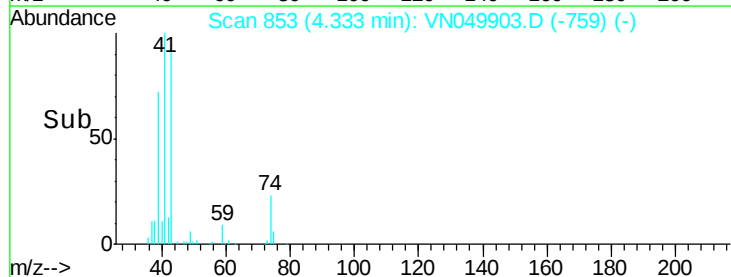
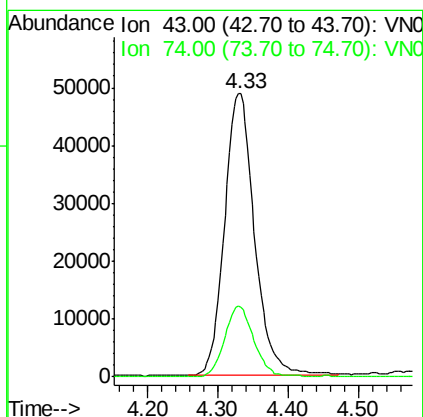
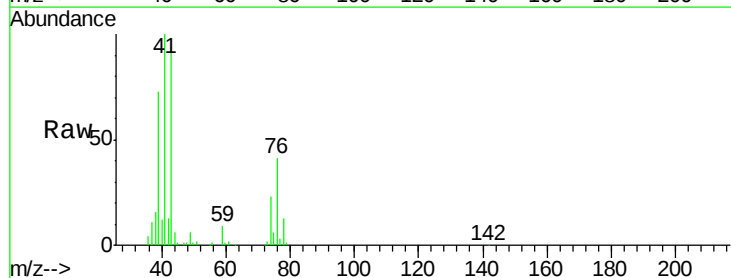
Instrument :
MSVOA_N
ClientSampled :

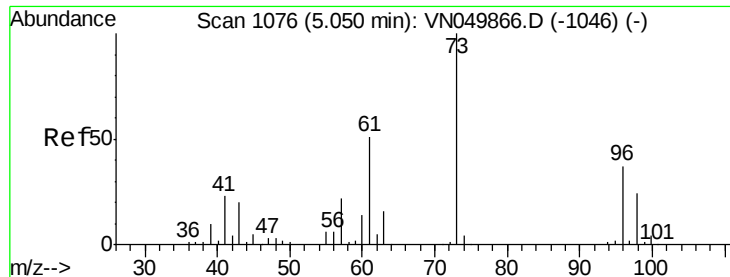
Tot Ion: 76 Resp: 359751
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 20.86 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 43 Resp: 145358
Ion Ratio Lower Upper
43 100
74 24.2 19.8 29.8

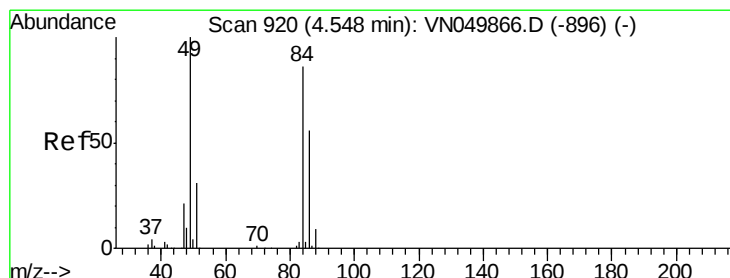
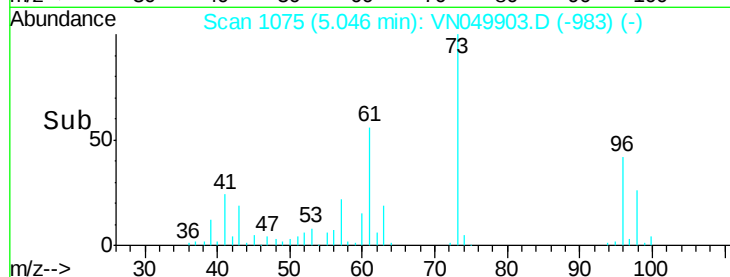
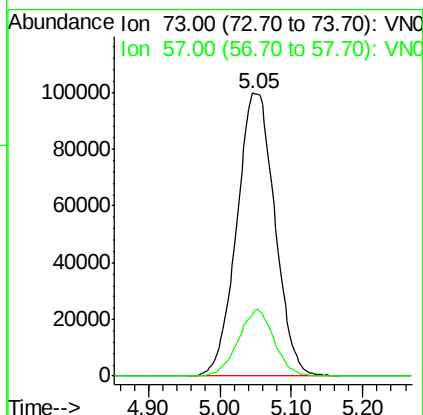
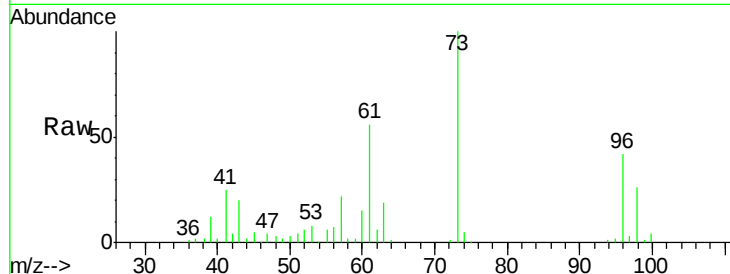




#19
Methyl tert-butyl Ether
Concen: 20.40 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

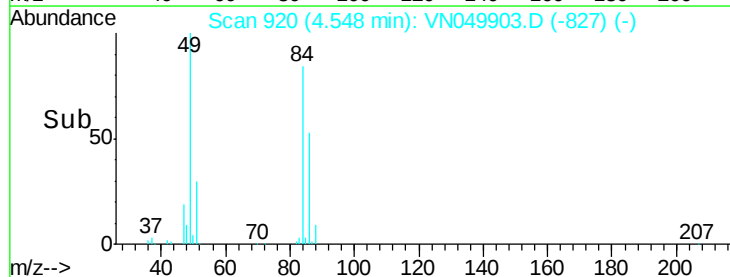
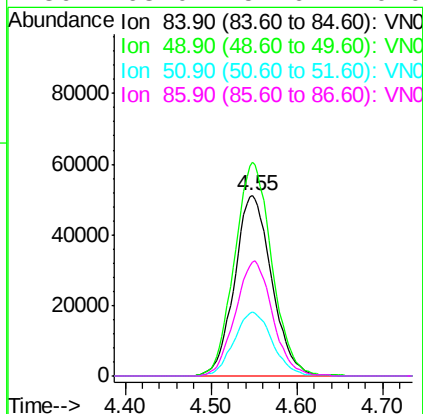
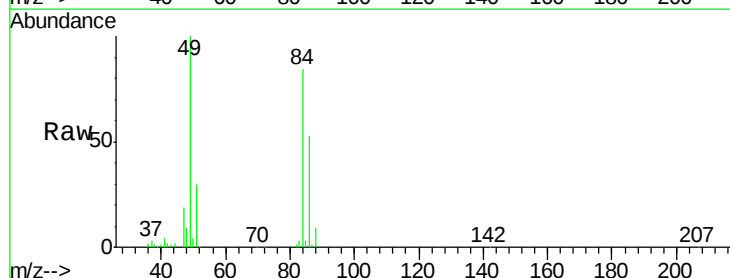
Instrument :
MSVOA_N
ClientSampled :

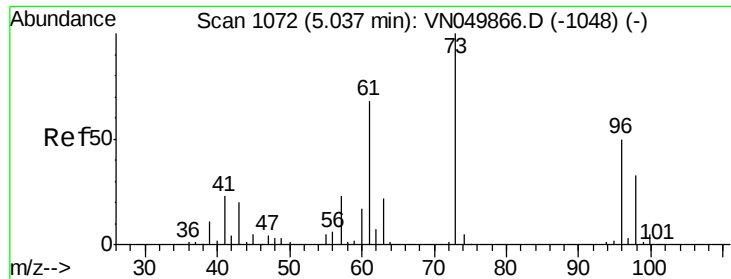
Tot Ion: 73 Resp: 370601
Ion Ratio Lower Upper
73 100
57 22.0 18.1 27.1



#20
Methylene Chloride
Concen: 18.63 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 84 Resp: 153602
Ion Ratio Lower Upper
84 100
49 118.6 95.4 143.2
51 35.6 28.4 42.6
86 63.0 52.6 79.0

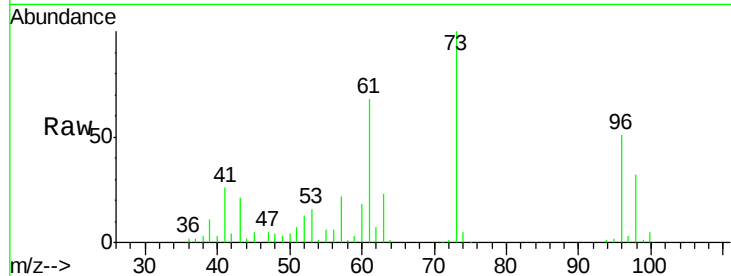




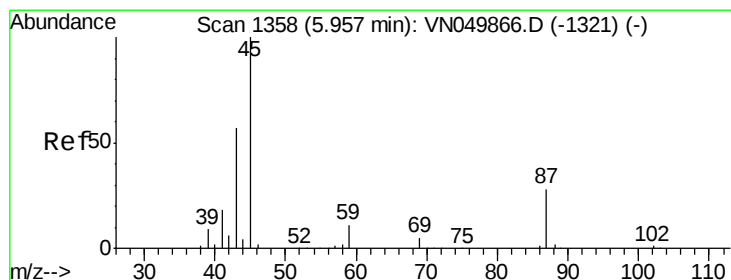
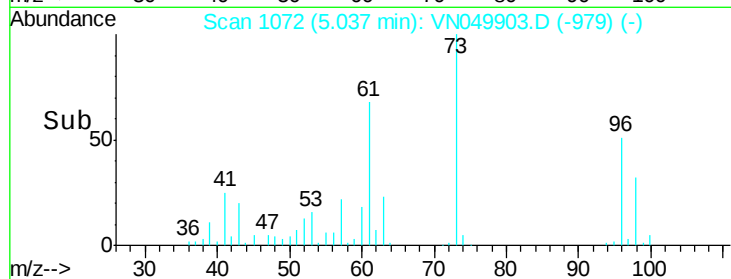
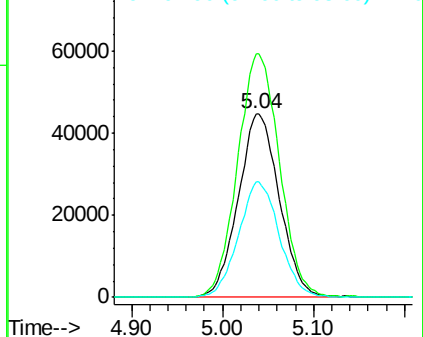
#21
trans-1,2-Dichloroethene
Concen: 19.99 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 140176
Ion Ratio Lower Upper
96 100
61 132.6 109.0 163.6
98 63.2 51.1 76.7

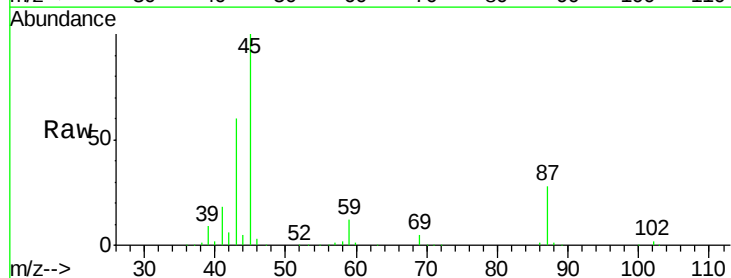


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

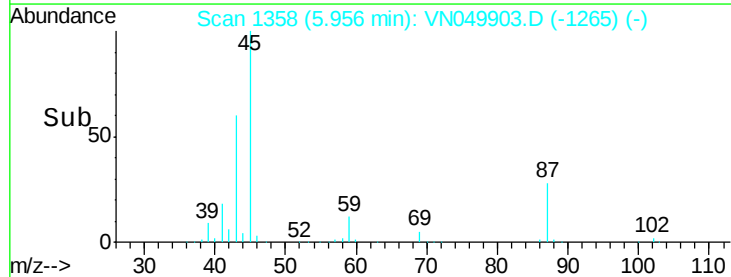
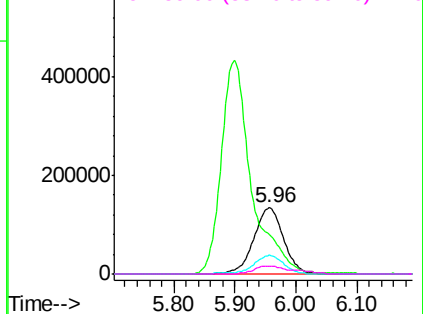


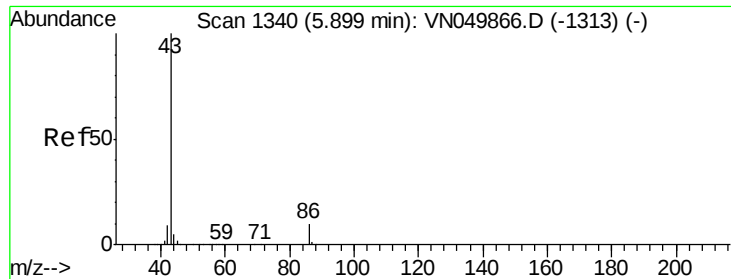
#22
Diisopropyl ether
Concen: 21.41 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 45 Resp: 454797
Ion Ratio Lower Upper
45 100
43 59.5 48.1 72.1
87 28.2 22.6 34.0
59 11.9 9.2 13.8



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

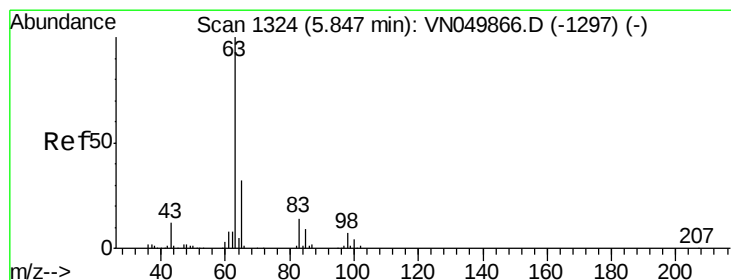
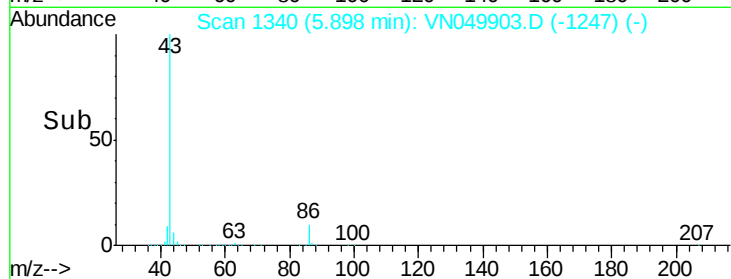
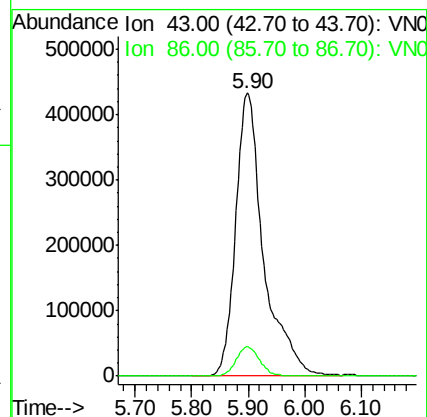
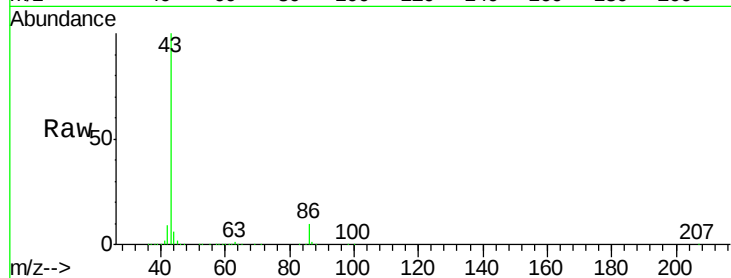




#23
 Vinyl Acetate
 Concen: 99.92 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

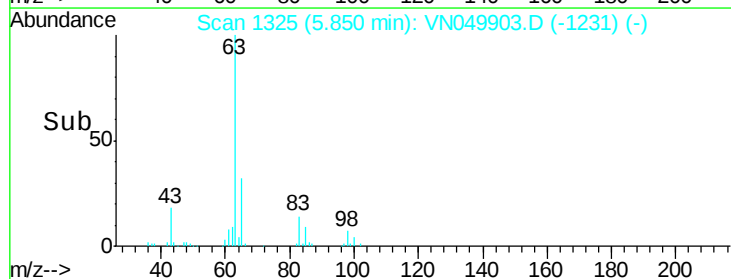
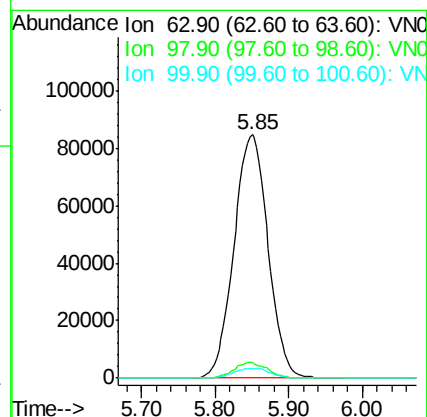
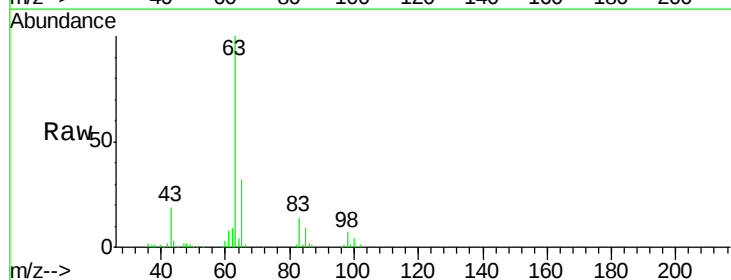
Instrument :
 MSVOA_N
 ClientSampleId :

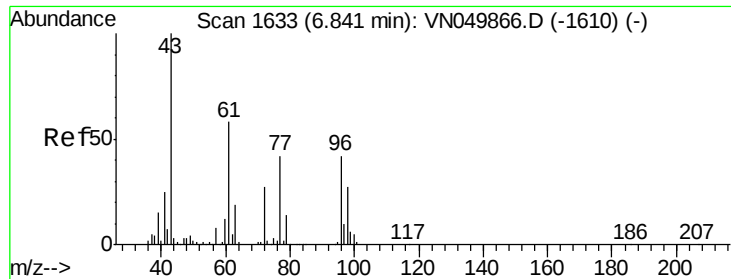
Tot Ion: 43 Resp: 1489348
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 19.95 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion: 63 Resp: 272131
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.2
 100 3.9 2.2 6.6

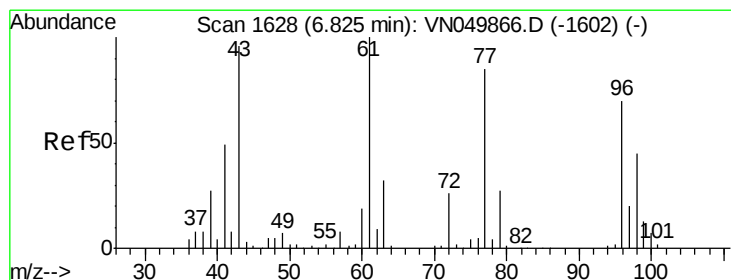
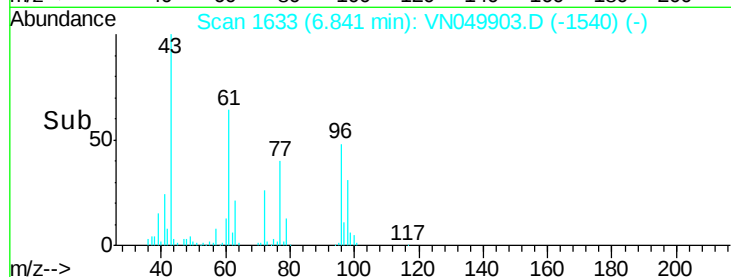
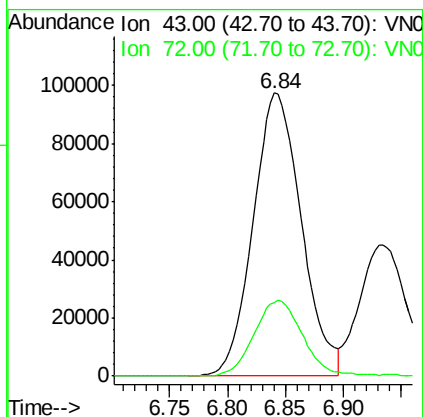
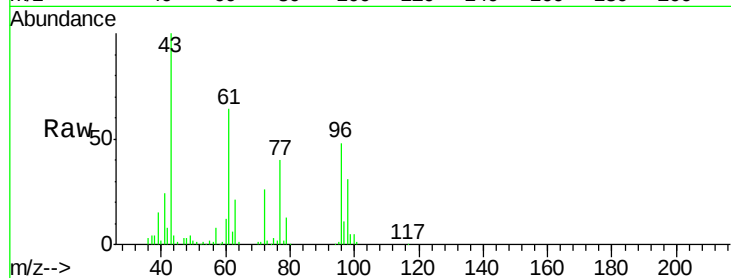




#25
2-Butanone
Concen: 90.43 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

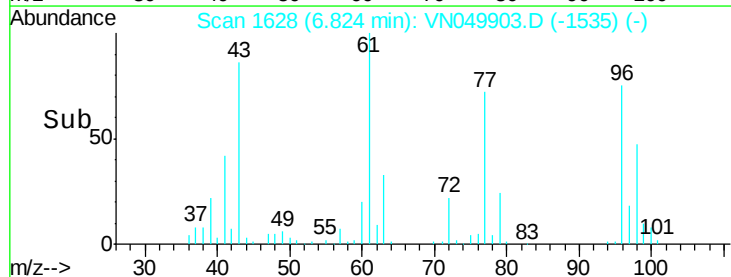
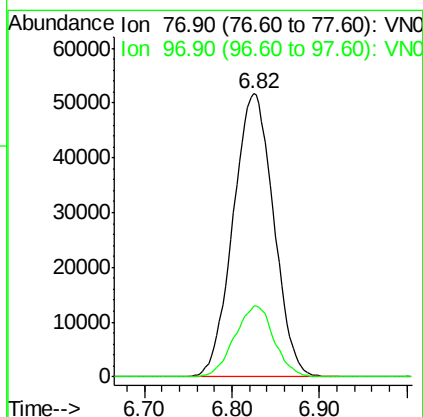
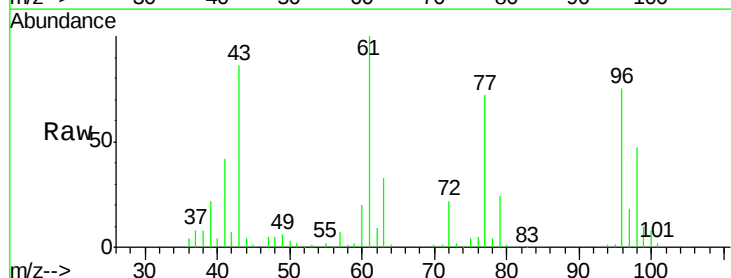
Instrument :
MSVOA_N
ClientSampleId :

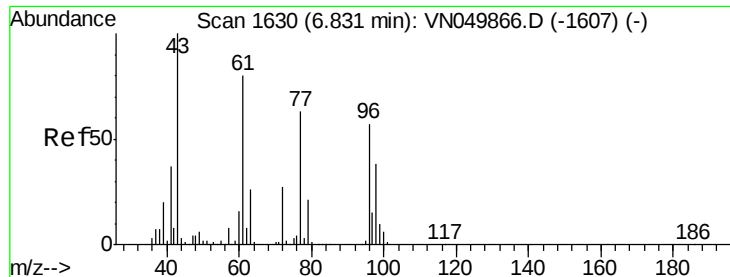
Tot Ion: 43 Resp: 280149
Ion Ratio Lower Upper
43 100
72 26.2 22.1 33.1



#26
2,2-Dichloropropane
Concen: 15.65 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 77 Resp: 166020
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.5

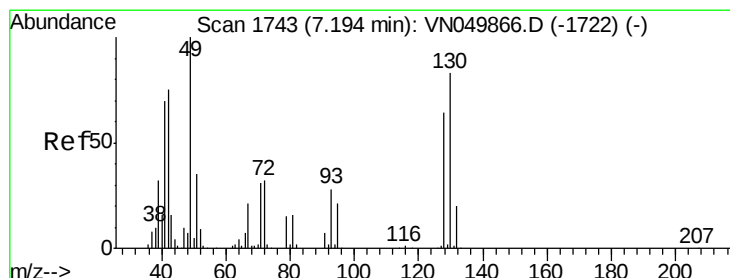
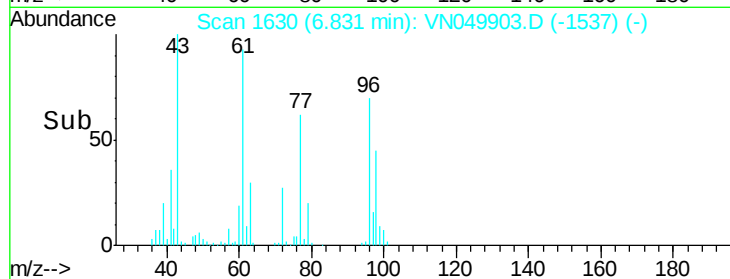
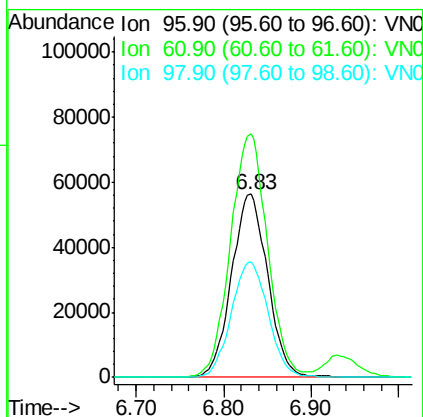
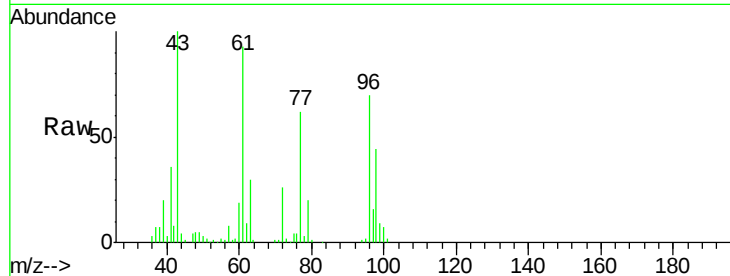




#27
 cis-1,2-Dichloroethene
 Concen: 20.96 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

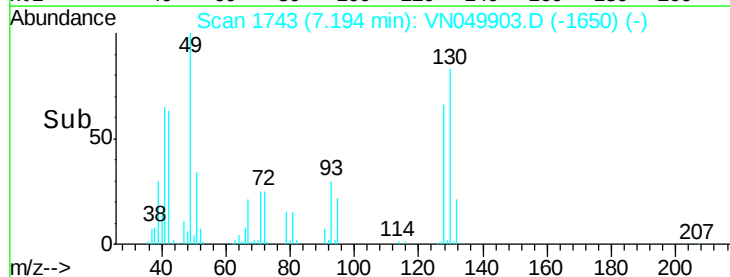
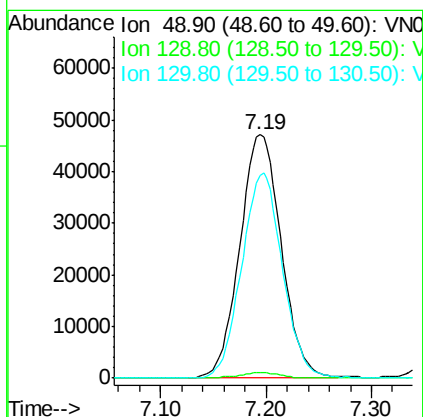
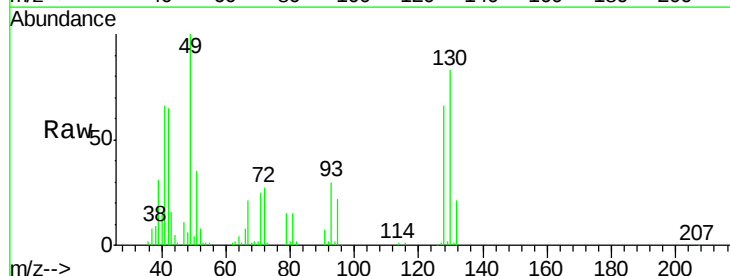
Instrument :
 MSVOA_N
 ClientSampleId :

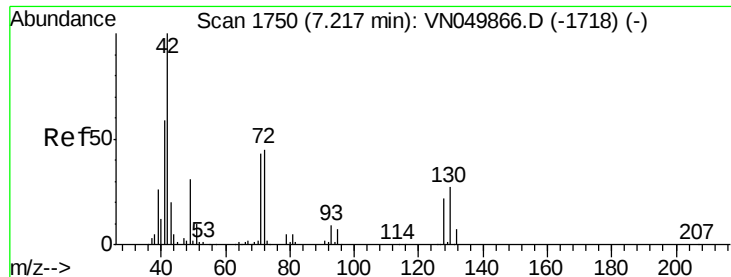
Tot Ion: 96 Resp: 161301
 Ion Ratio Lower Upper
 96 100
 61 136.3 0.0 289.0
 98 64.4 0.0 130.2



#28
 Bromochloromethane
 Concen: 20.90 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion: 49 Resp: 128738
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 83.0 65.5 98.3

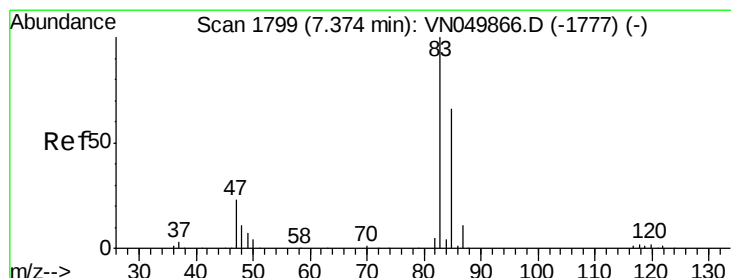
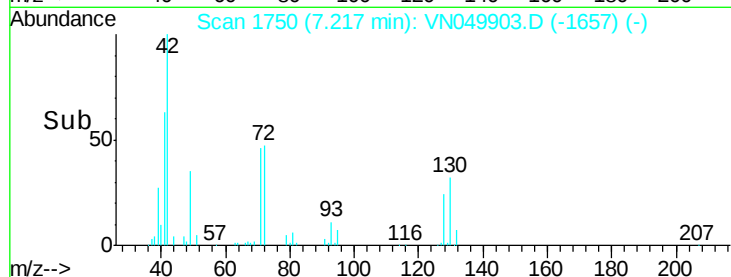
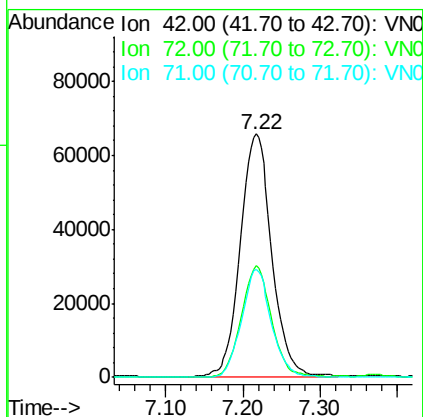
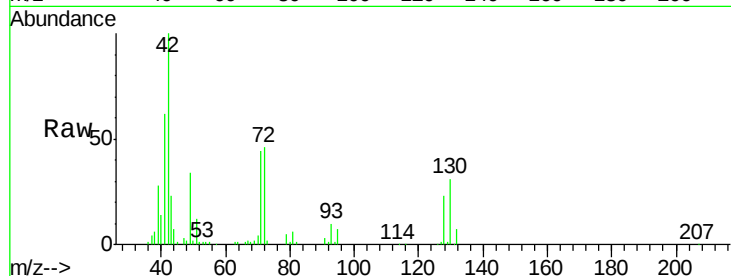




#29
Tetrahydrofuran
Concen: 95.04 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

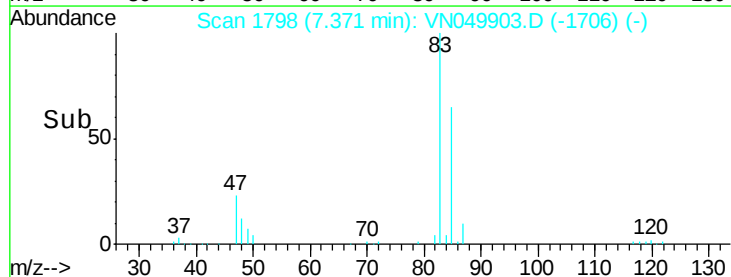
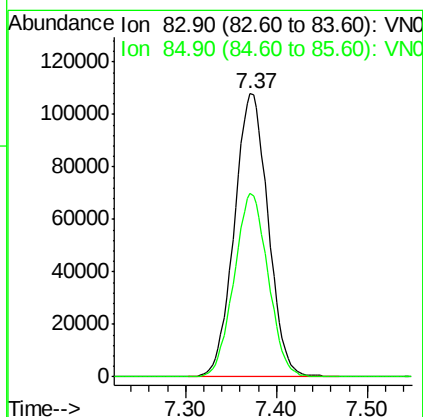
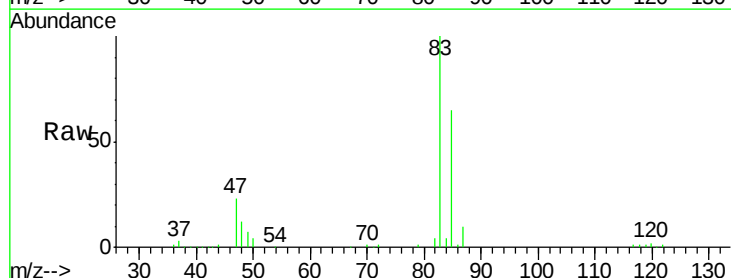
Instrument :
MSVOA_N
ClientSampled :

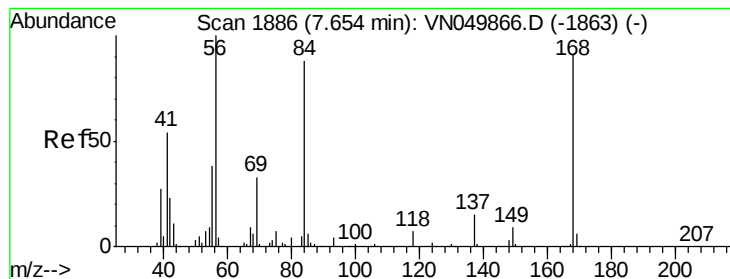
Tot Ion: 42 Resp: 185476
Ion Ratio Lower Upper
42 100
72 44.5 35.6 53.4
71 42.2 34.0 51.0



#30
Chloroform
Concen: 19.90 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 83 Resp: 278618
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.2





#31

Cyclohexane

Concen: 20.11 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

ClientSampleId :

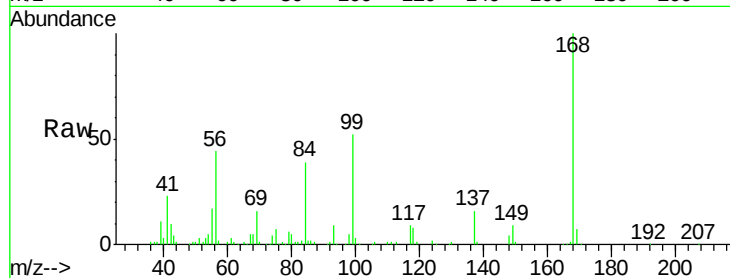
Tot Ion: 56 Resp: 223275

Ion Ratio Lower Upper

56 100

69 36.4 26.6 40.0

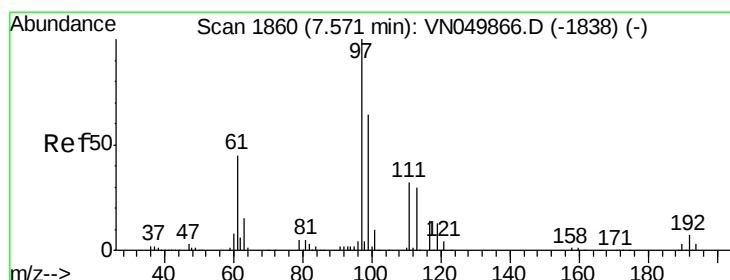
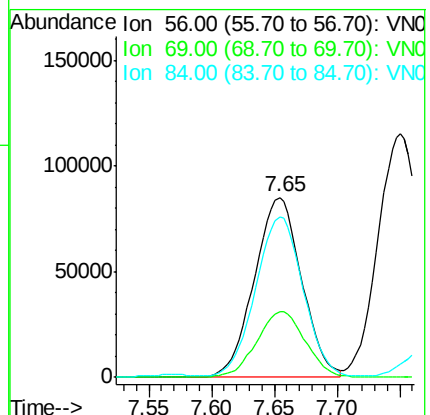
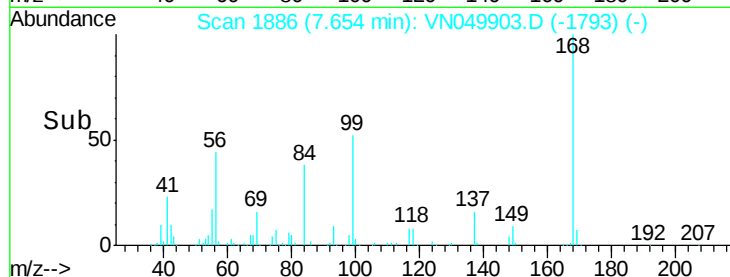
84 88.4 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VN049903.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049903.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049903.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 19.85 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

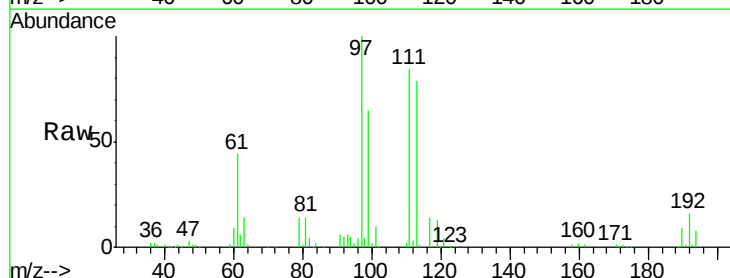
Tgt Ion: 97 Resp: 240139

Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

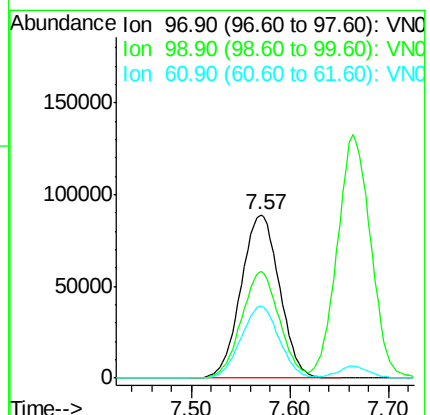
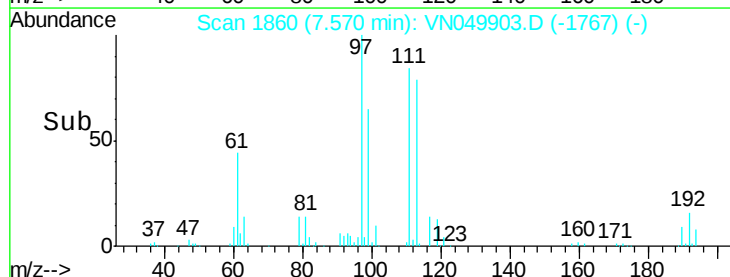
61 43.7 35.5 53.3

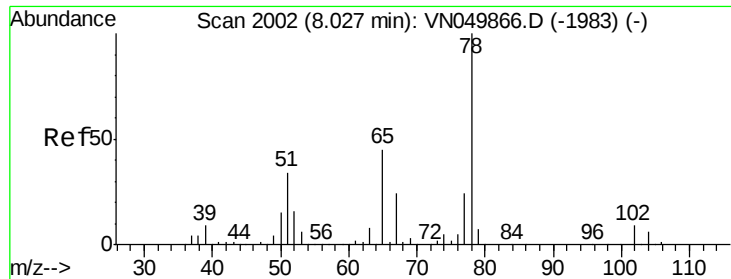


Abundance Ion 96.90 (96.60 to 97.60): VN049903.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN049903.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN049903.D (-1767) (-)

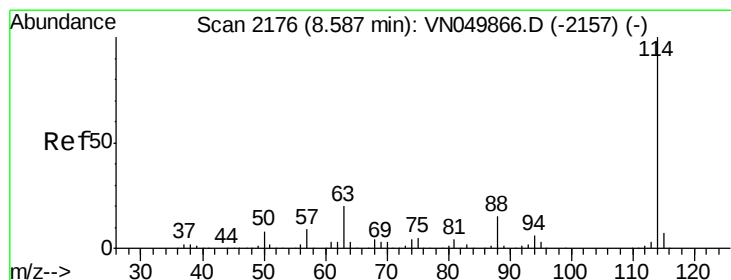
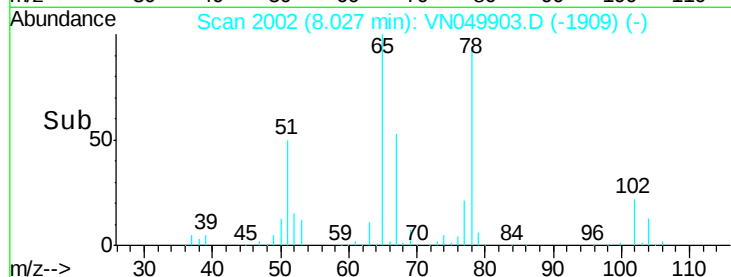
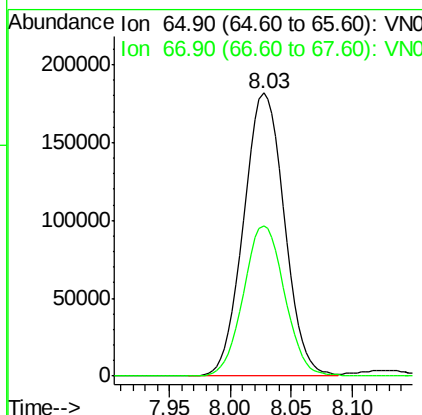
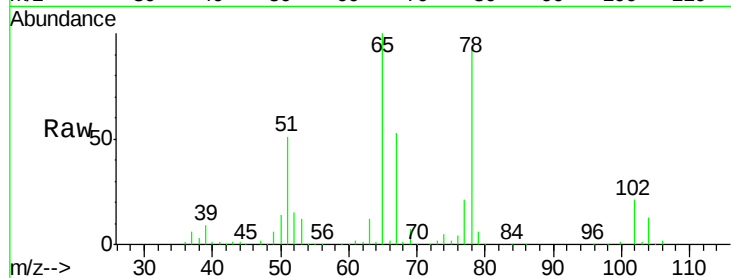




#33
 1,2-Dichloroethane-d4
 Concen: 50.30 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

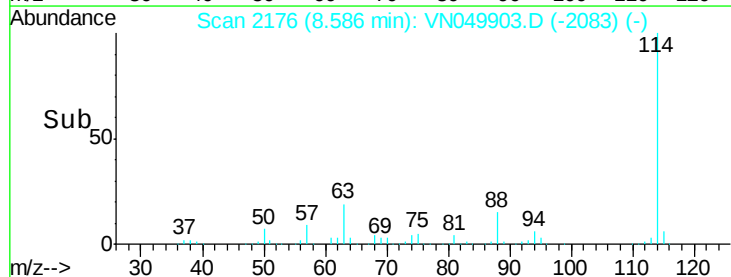
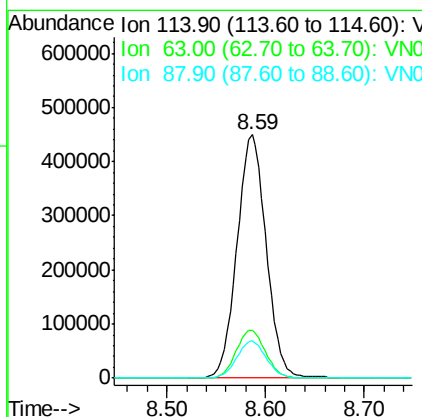
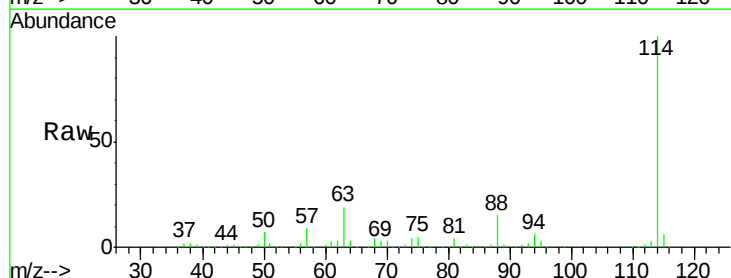
Instrument :
 MSVOA_N
 ClientSampled :

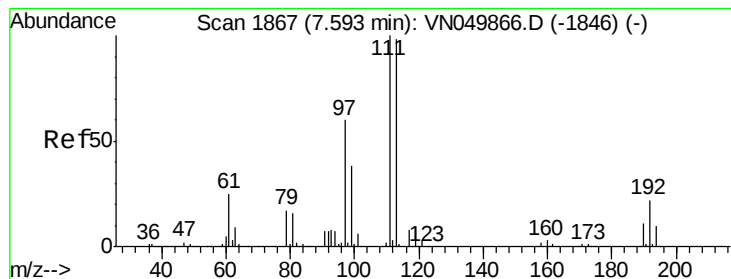
Tot Ion: 65 Resp: 421116
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion: 114 Resp: 922983
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.11 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :
MSVOA_N
ClientSampleId :

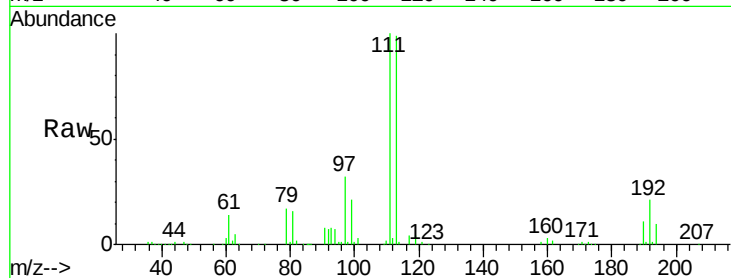
Tot Ion:113 Resp: 380530

Ion Ratio Lower Upper

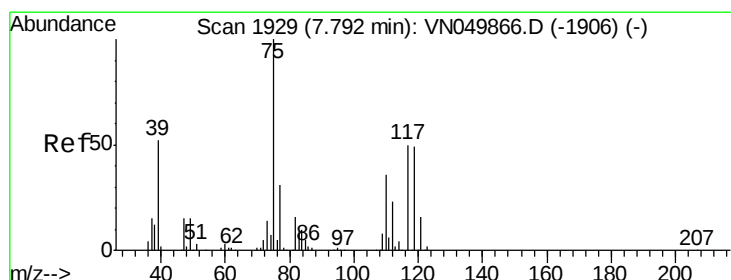
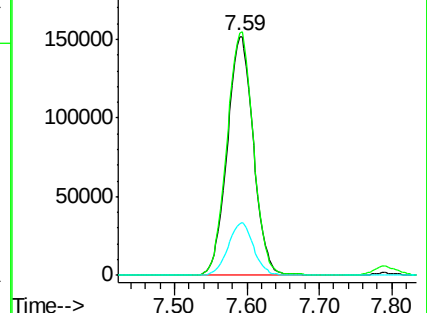
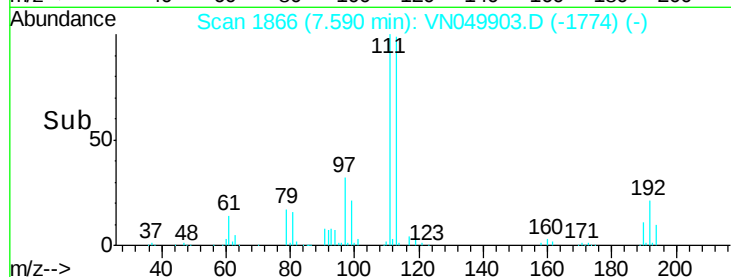
113 100

111 102.0 81.8 122.8

192 21.5 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: 19.52 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

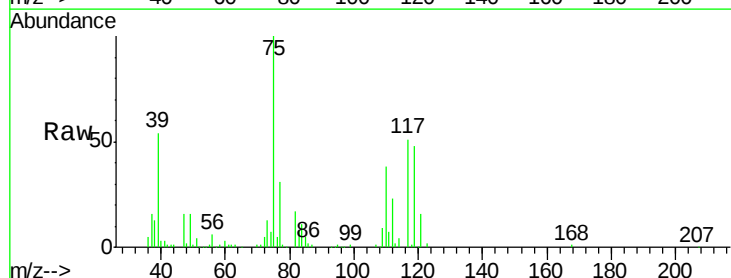
Tgt Ion: 75 Resp: 200306

Ion Ratio Lower Upper

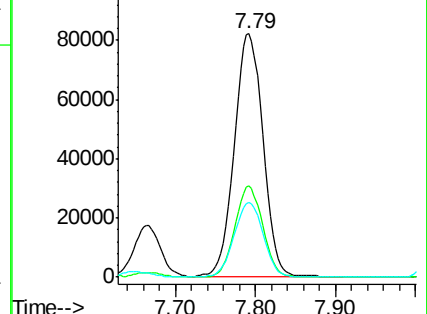
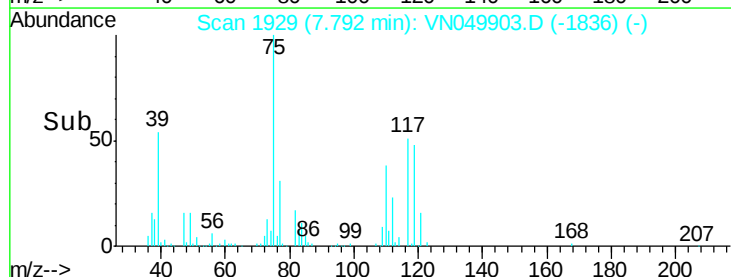
75 100

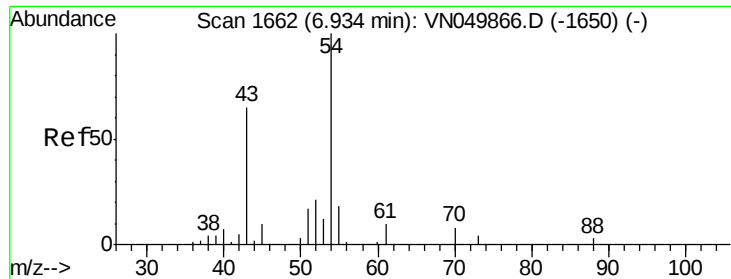
110 36.1 18.1 54.4

77 31.0 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

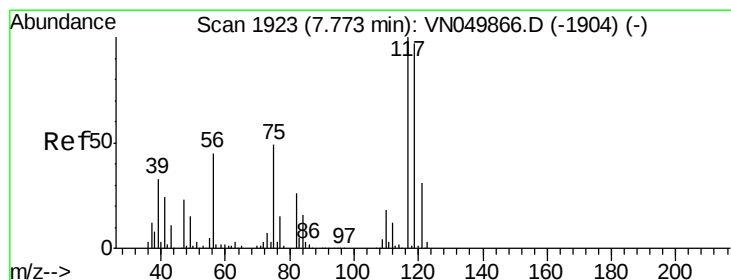
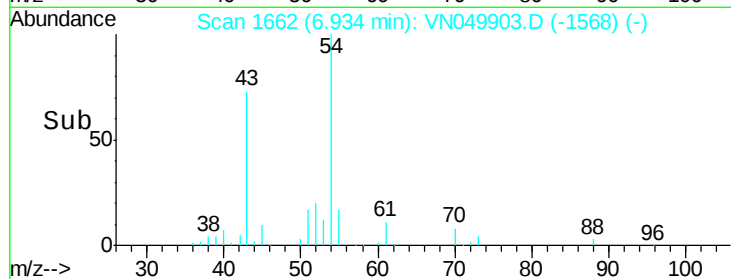
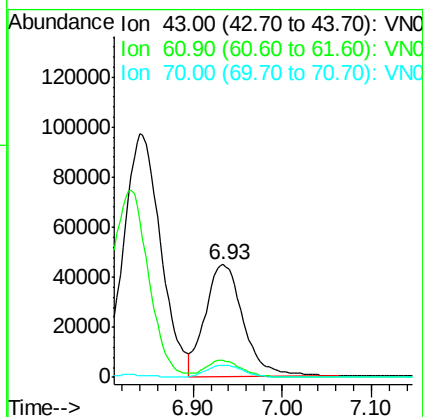
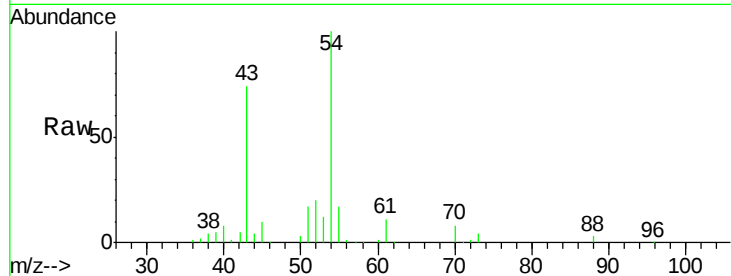




#37
Ethyl Acetate
Concen: 18.68 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

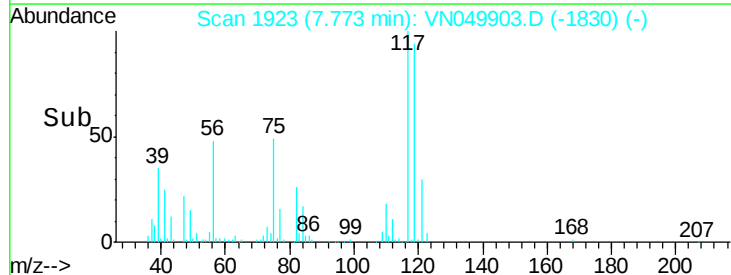
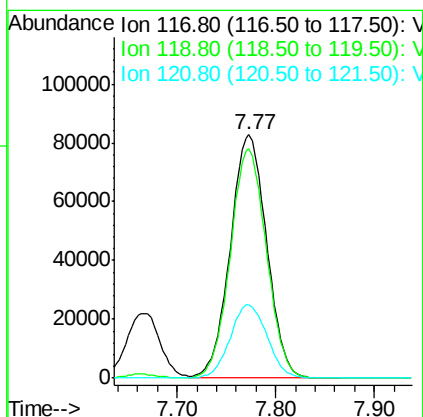
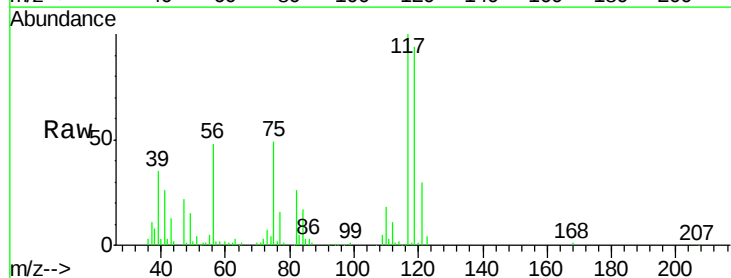
Instrument :
MSVOA_N
ClientSampled :

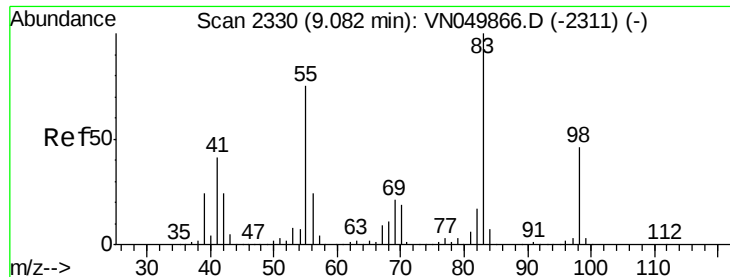
Tot Ion: 43 Resp: 131669
Ion Ratio Lower Upper
43 100
61 13.7 11.7 17.5
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.33 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 117 Resp: 212452
Ion Ratio Lower Upper
117 100
119 94.2 77.2 115.8
121 30.3 25.0 37.6

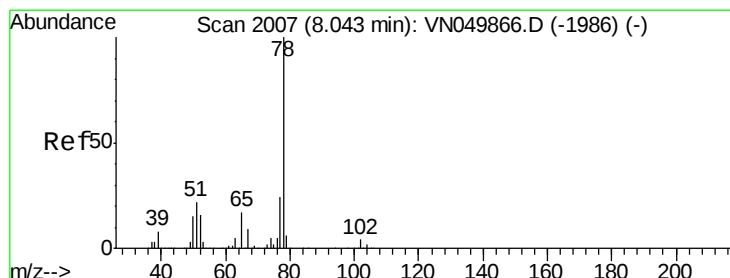
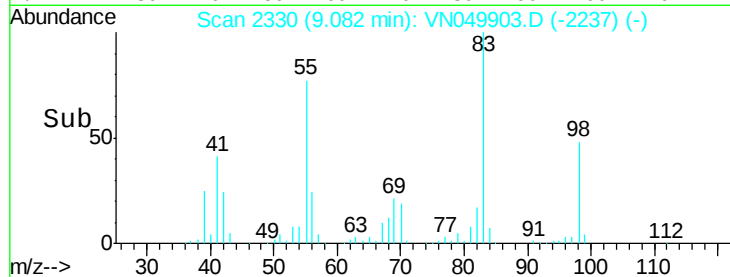
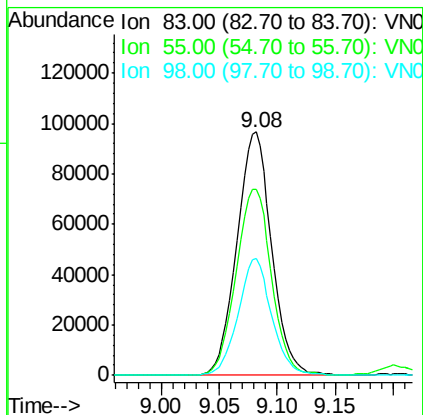
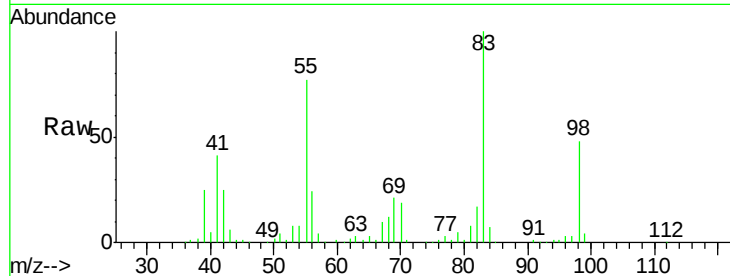




#39
Methvlcvclohexane
Concen: 18.96 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

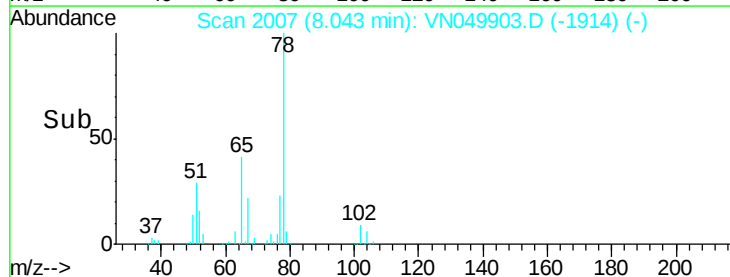
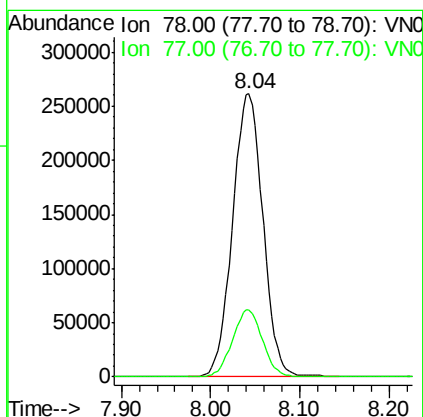
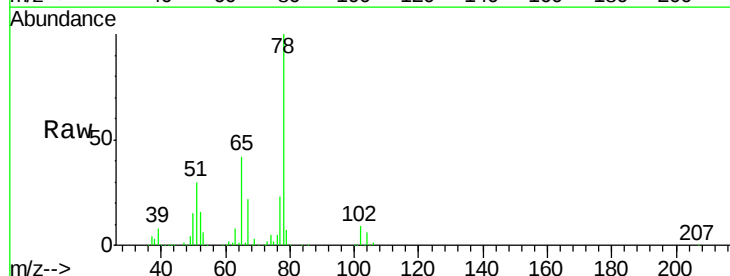
Instrument :
MSVOA_N
ClientSampled :

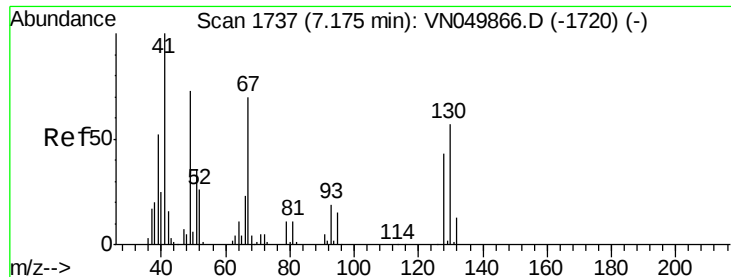
Tot Ion: 83 Resp: 201013
Ion Ratio Lower Upper
83 100
55 76.7 59.7 89.5
98 47.9 36.5 54.7



#40
Benzene
Concen: 19.75 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 78 Resp: 617894
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

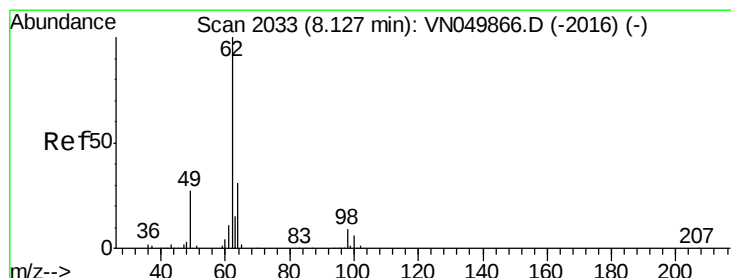
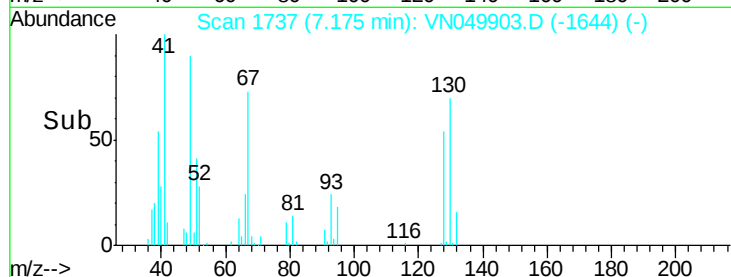
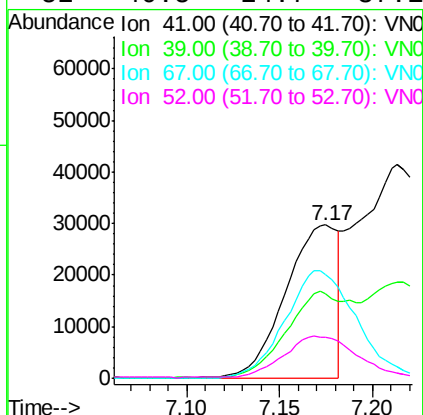
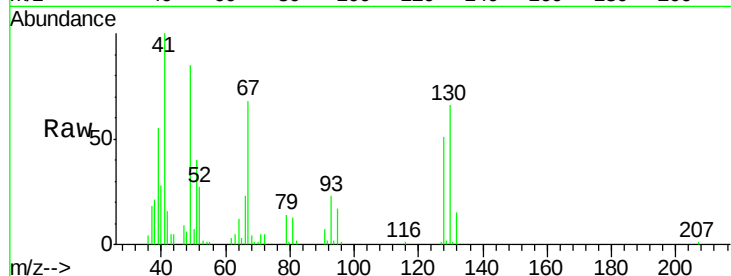




#41
Methacrylonitrile
Concen: 16.50 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

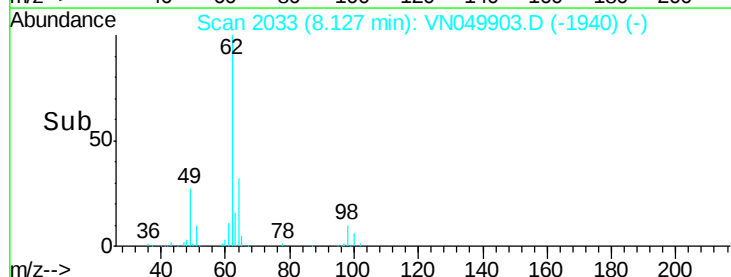
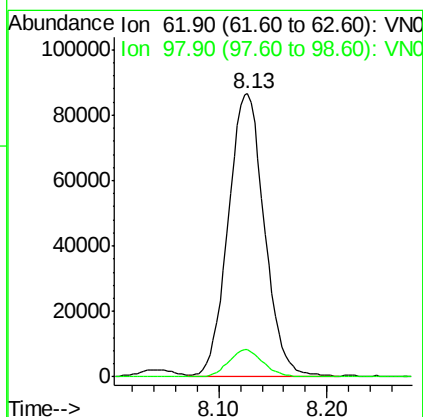
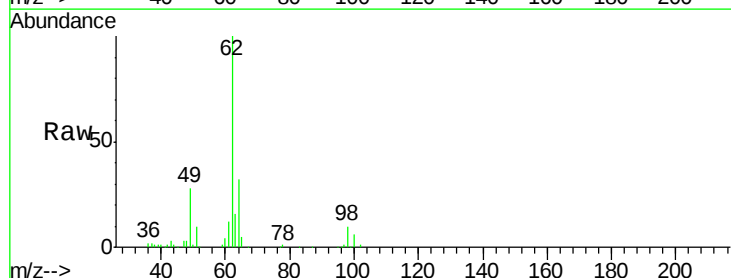
Instrument :
MSVOA_N
ClientSampled :

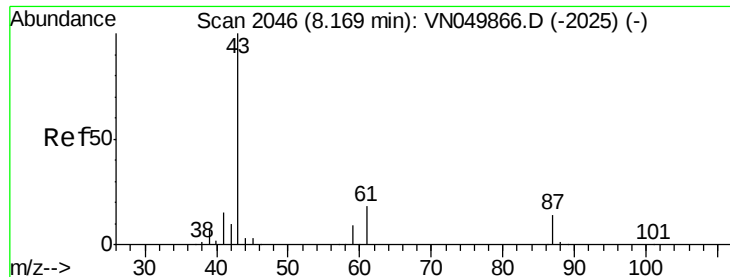
Tot Ion: 41 Resp: 58278
Ion Ratio Lower Upper
41 100
39 69.7 45.4 68.2#
67 96.8 65.4 98.0
52 40.5 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 19.41 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 62 Resp: 201118
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.0



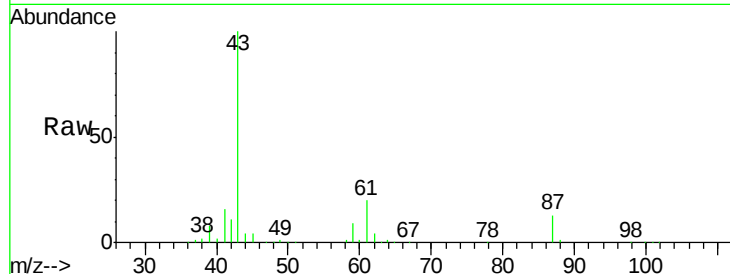


#43

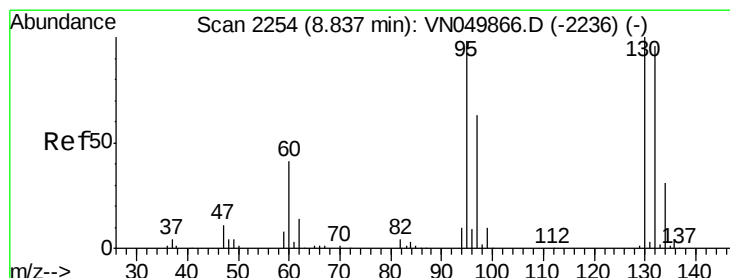
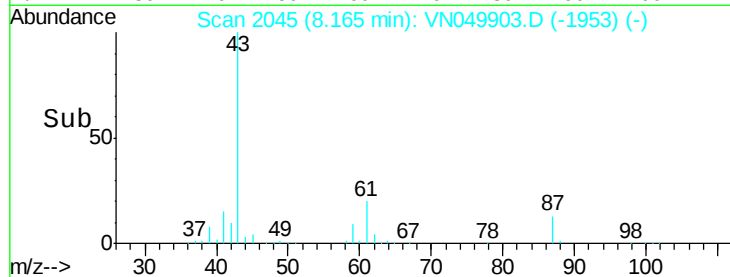
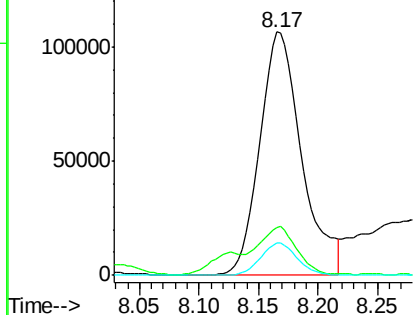
Isopropyl Acetate
 Concen: 21.04 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 43 Resp: 259078
 Ion Ratio Lower Upper
 43 100
 61 17.7 14.9 22.3
 87 11.7 10.0 15.0



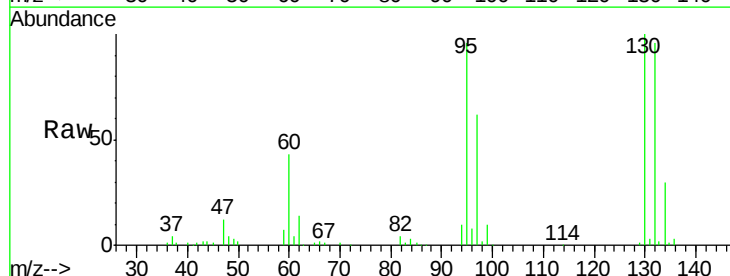
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



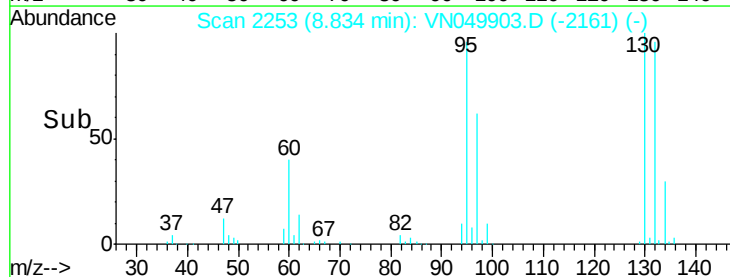
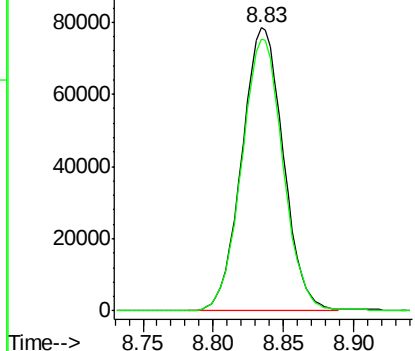
#44

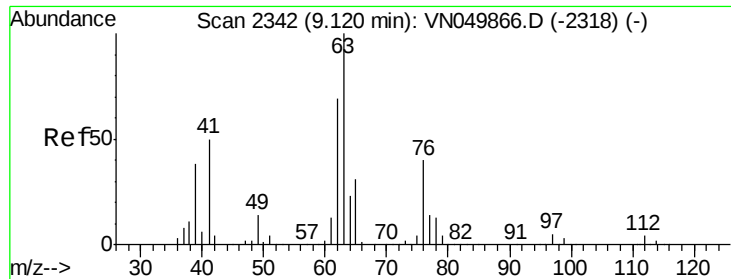
Trichloroethene
 Concen: 19.73 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion:130 Resp: 161817
 Ion Ratio Lower Upper
 130 100
 95 96.1 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0

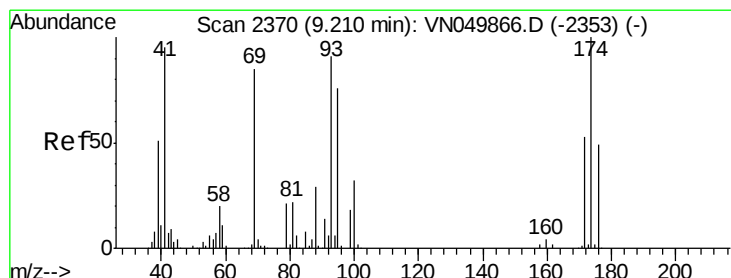
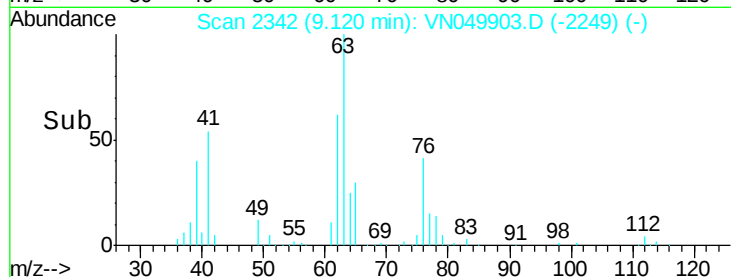
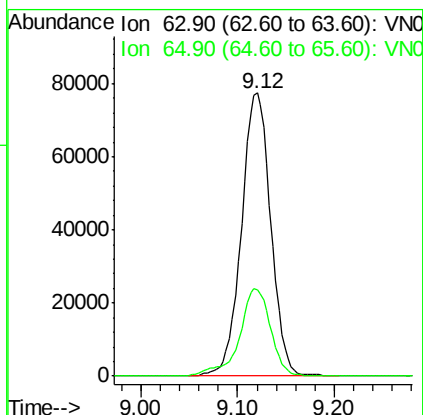
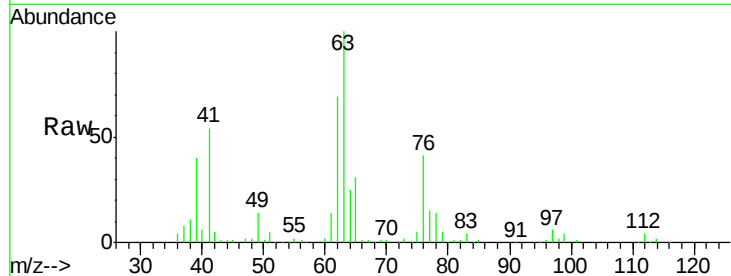




#45
 1,2-Dichloropropane
 Concen: 19.33 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

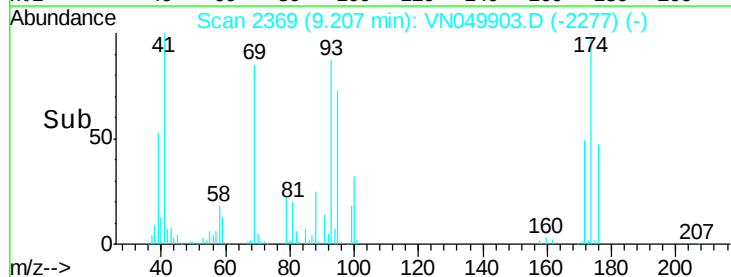
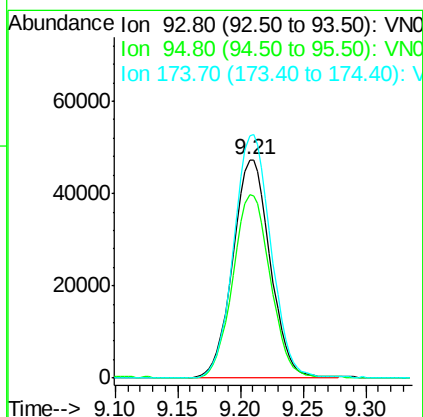
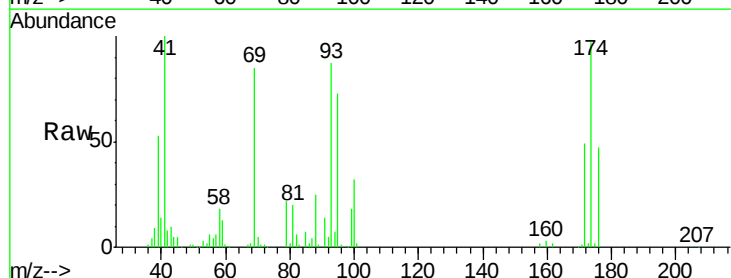
Instrument :
 MSVOA_N
 ClientSampled :

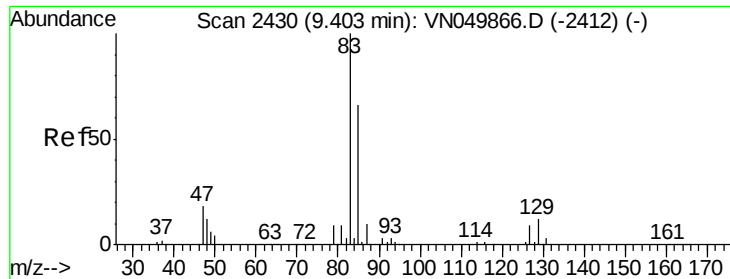
Tot Ion: 63 Resp: 163083
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.7 37.1



#46
 Dibromomethane
 Concen: 18.77 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion: 93 Resp: 98240
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.9 101.9
 174 110.9 89.4 134.0

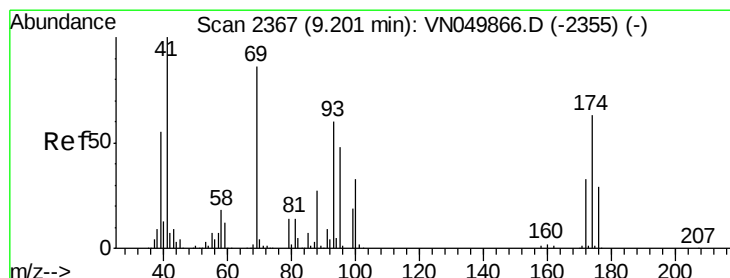
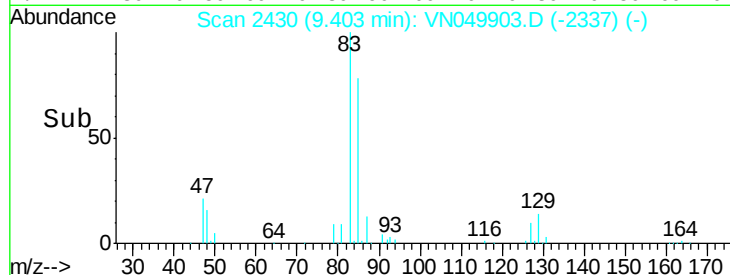
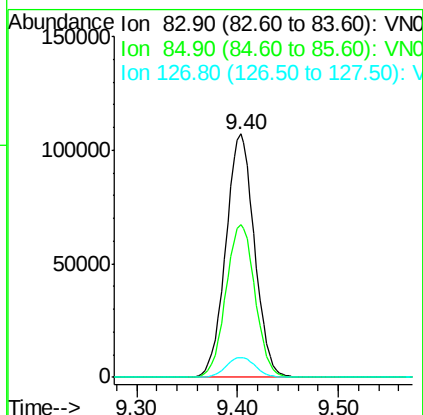
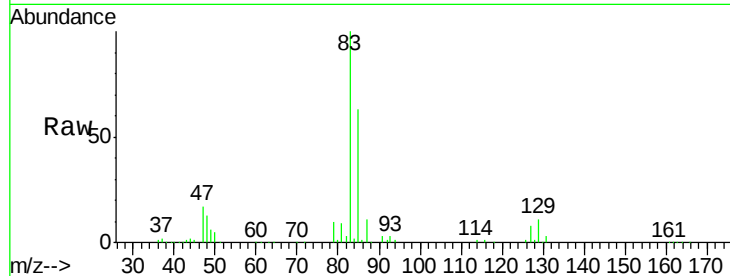




#47
Bromodichloromethane
Concen: 19.57 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

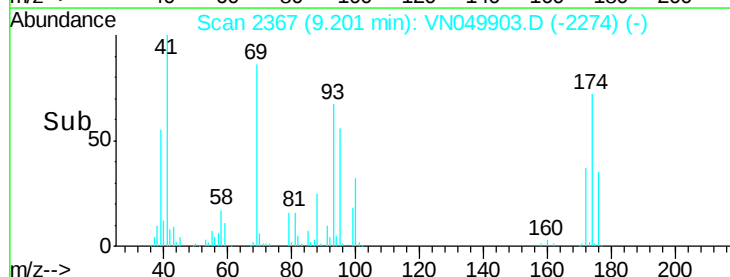
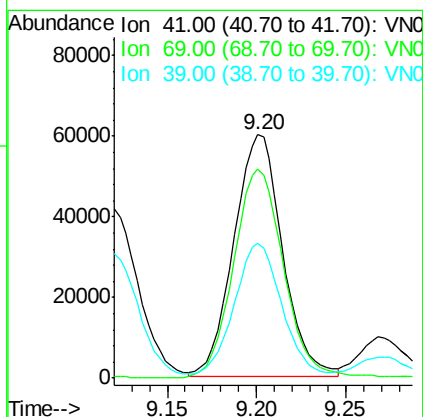
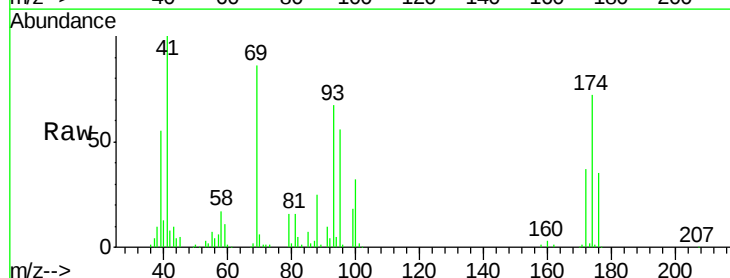
Instrument :
MSVOA_N
ClientSampled :

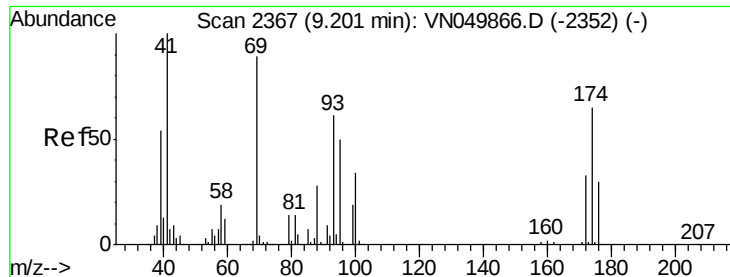
Tot Ion: 83 Resp: 211803
Ion Ratio Lower Upper
83 100
85 62.9 50.5 75.7
127 8.3 6.8 10.2



#48
Methyl methacrylate
Concen: 18.51 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 41 Resp: 114317
Ion Ratio Lower Upper
41 100
69 89.1 71.5 107.3
39 55.3 44.7 67.1

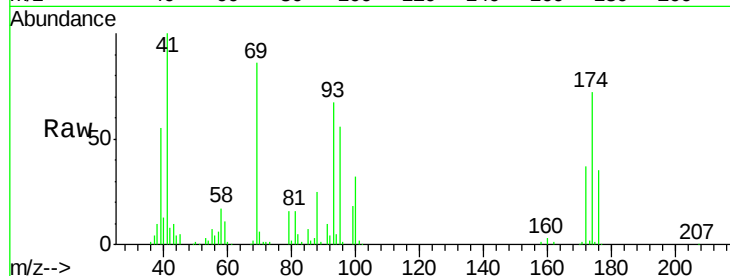




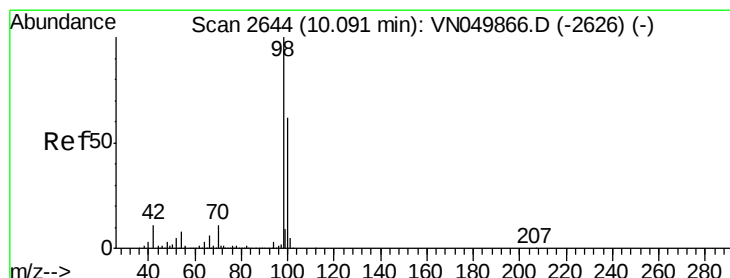
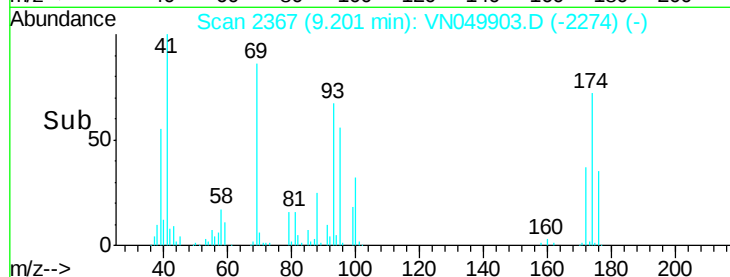
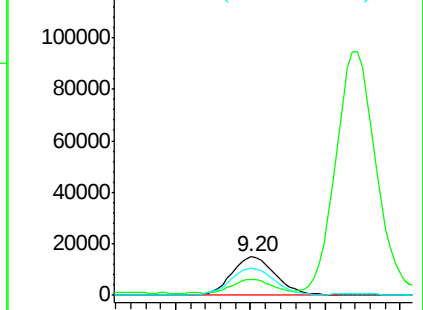
#49
1,4-Dioxane
Concen: 349.70 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 30637
Ion Ratio Lower Upper
88 100
43 31.2 25.1 37.7
58 72.0 52.5 78.7

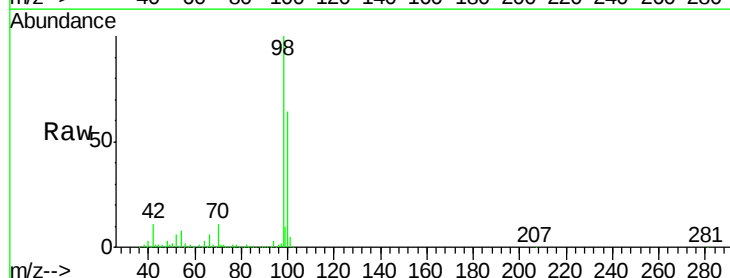


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

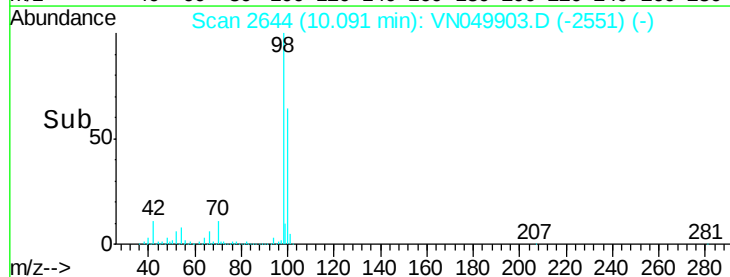
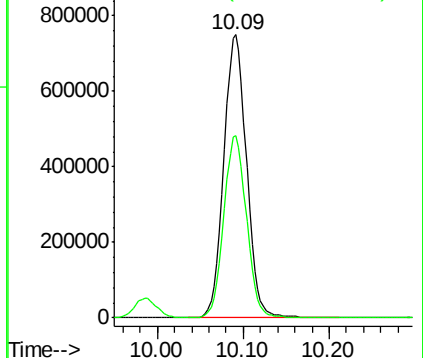


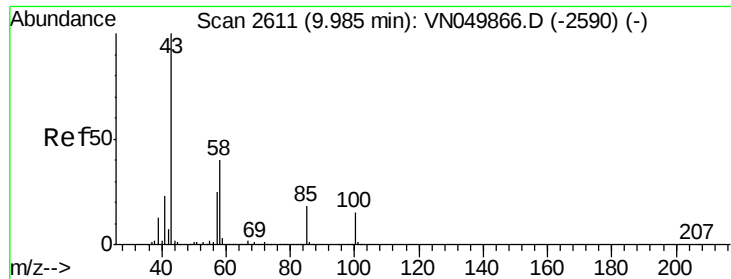
#50
Toluene-d8
Concen: 48.91 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 98 Resp: 1380954
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



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

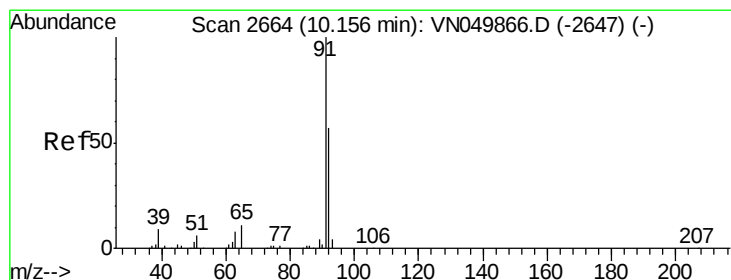
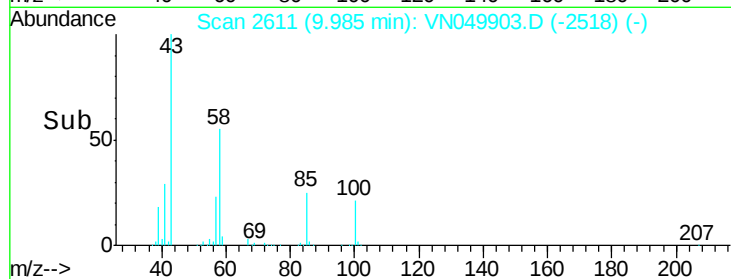
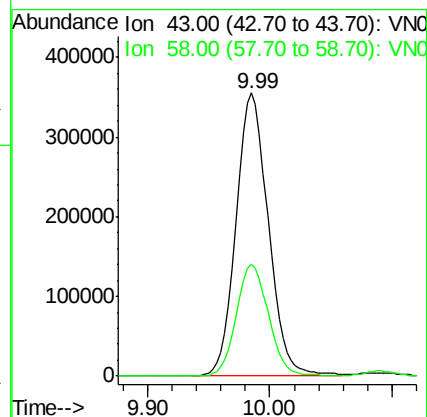
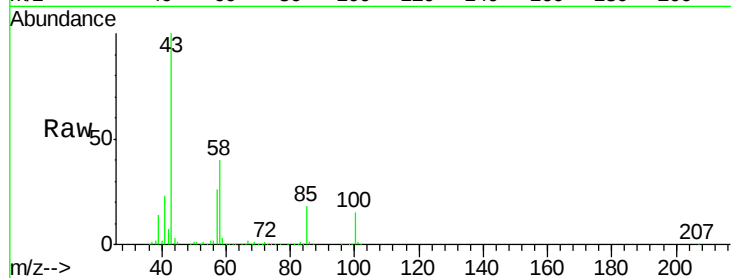




#51
 4-Methyl-2-Pentanone
 Concen: 94.73 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

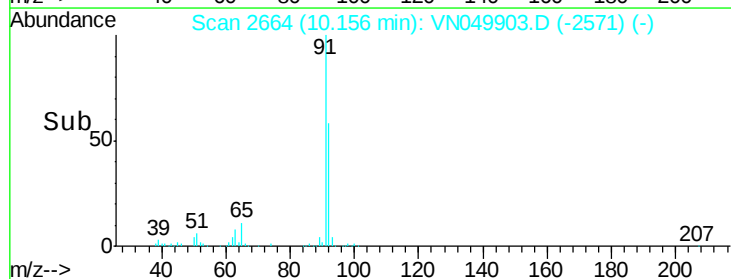
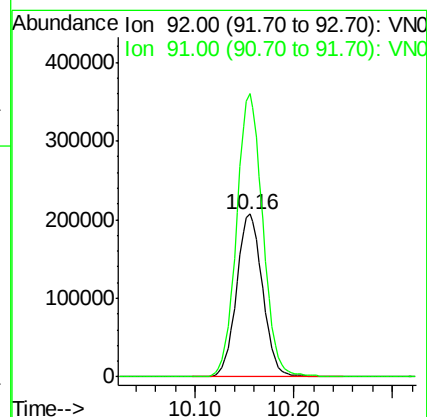
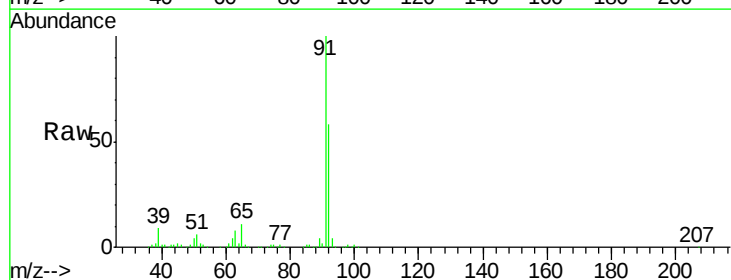
Instrument :
 MSVOA_N
 ClientSampled :

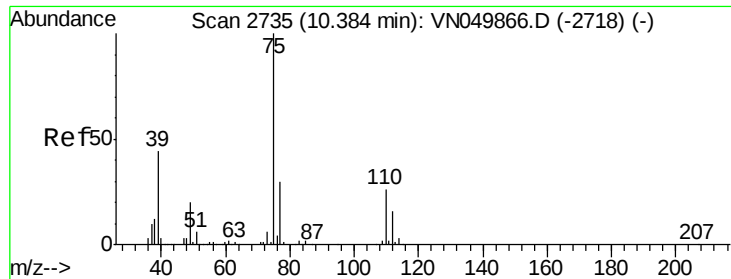
Tot Ion: 43 Resp: 651955
 Ion Ratio Lower Upper
 43 100
 58 39.6 31.8 47.8



#52
 Toluene
 Concen: 20.40 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion: 92 Resp: 380634
 Ion Ratio Lower Upper
 92 100
 91 175.0 140.1 210.1

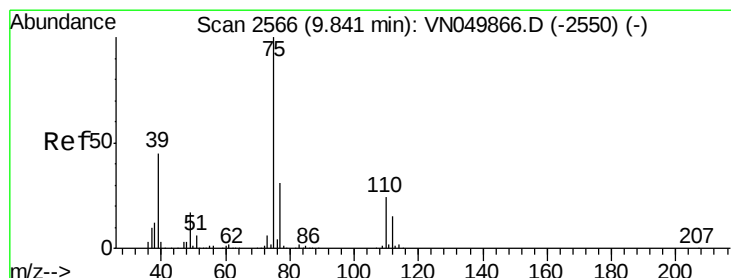
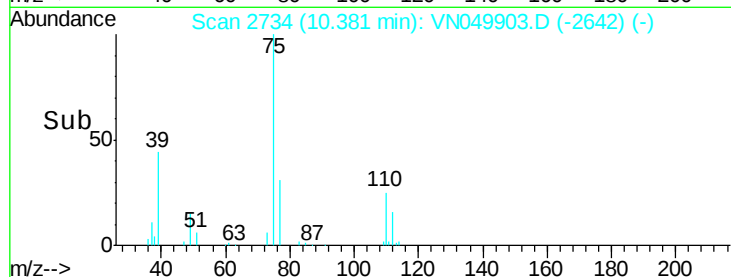
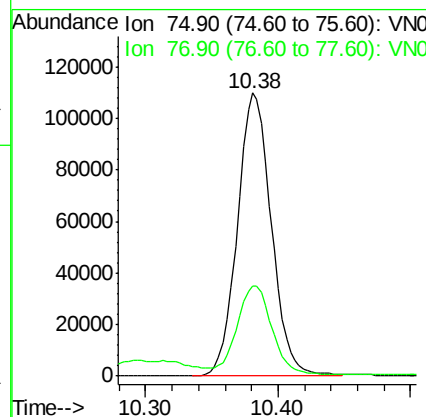
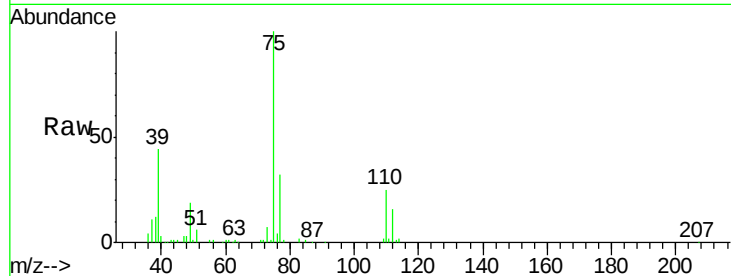




#53
t-1,3-Dichloropropene
Concen: 18.24 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

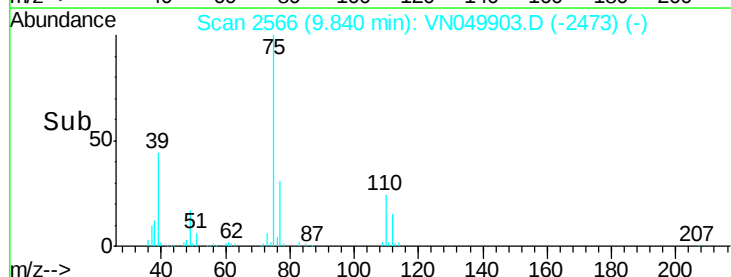
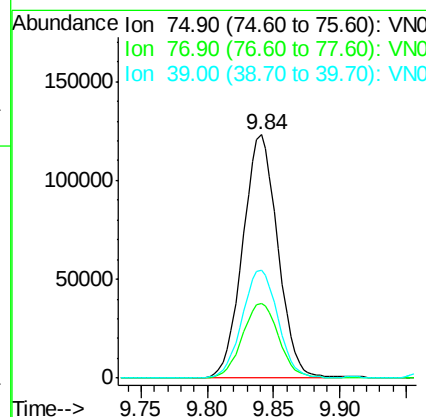
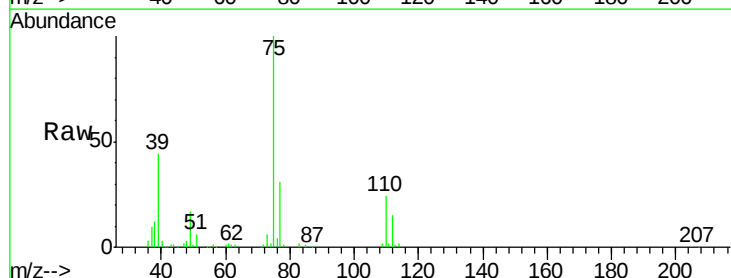
Instrument :
MSVOA_N
ClientSampled :

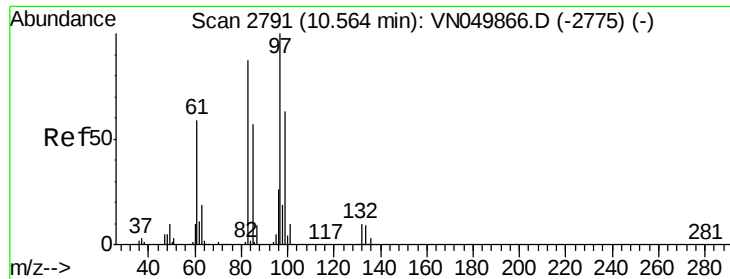
Tot Ion: 75 Resp: 195137
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 19.10 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 75 Resp: 225835
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9
39 44.2 35.5 53.3

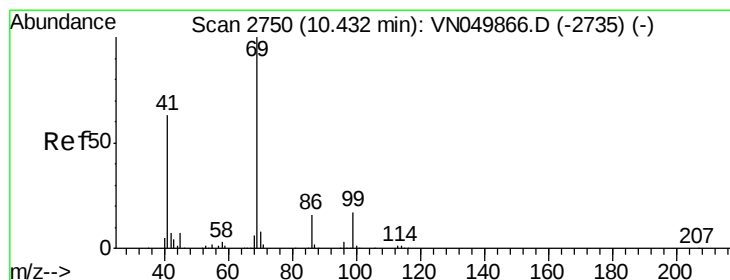
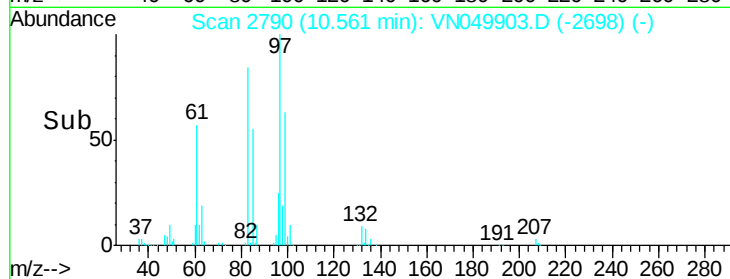
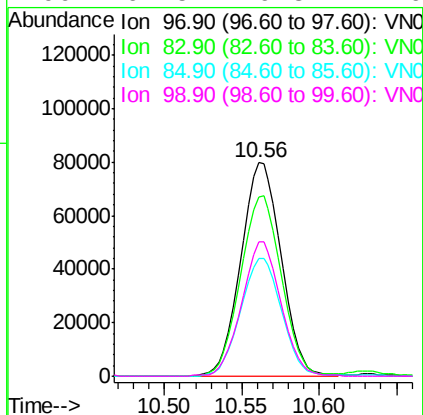
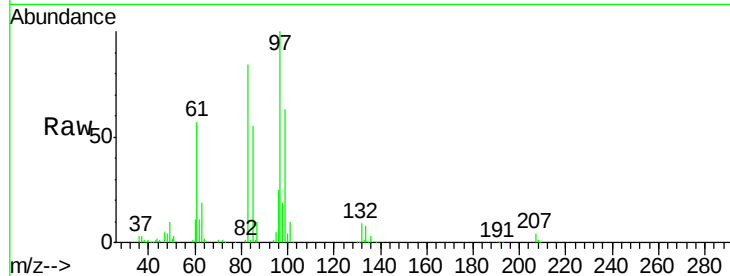




#55
 1,1,2-Trichloroethane
 Concen: 18.80 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

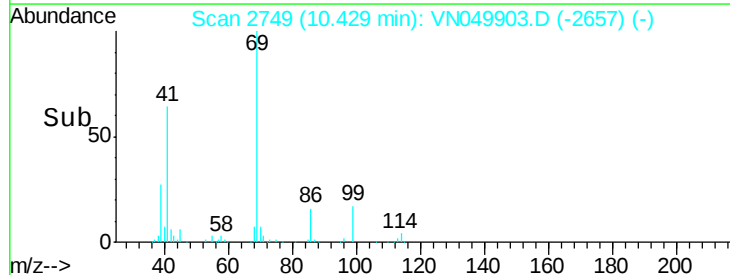
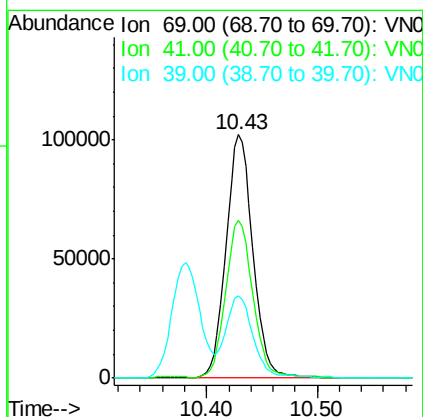
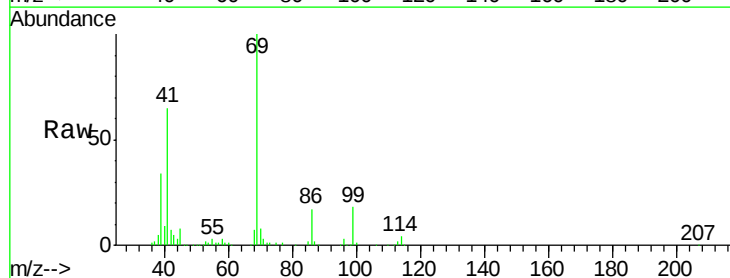
Instrument :
 MSVOA_N
 ClientSampled :

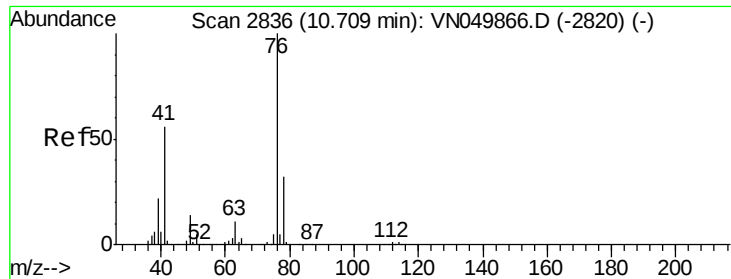
Tot Ion:	97	Resp:	144887
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.0	103.6
85	54.9	44.9	67.3
99	62.5	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 18.16 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion:	69	Resp:	173075
Ion	Ratio	Lower	Upper
69	100		
41	64.8	51.6	77.4
39	34.3	25.8	38.8





#57

1,3-Dichloropropane

Concen: 19.41 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

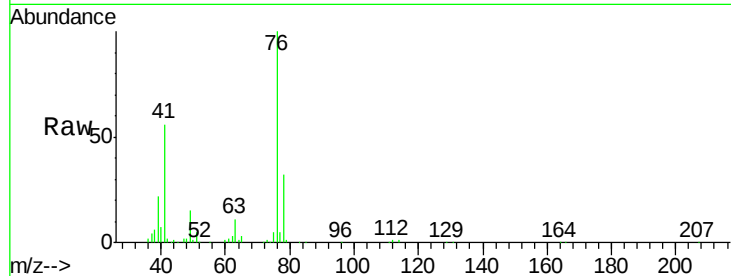
ClientSampled :

Tot Ion: 76 Resp: 235643

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN049866.D (-2820) (-)

Ion 77.90 (77.60 to 78.60): VN049866.D (-2820) (-)

10.71

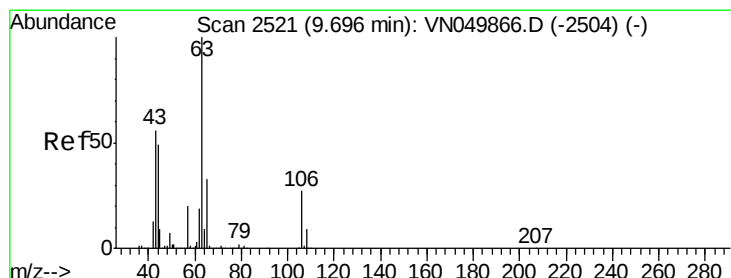
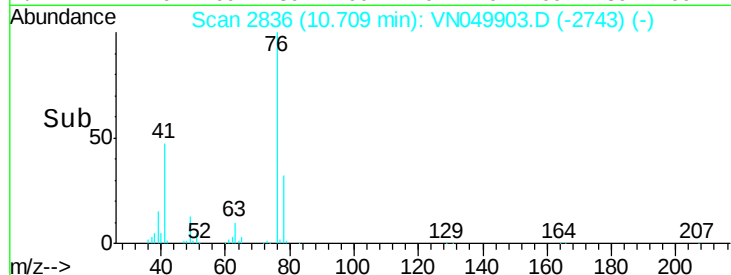
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.91 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049903.D

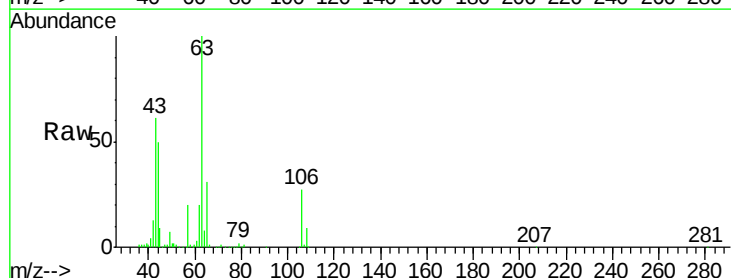
Acq: 19 Jul 2018 5:18

Tgt Ion: 63 Resp: 414359

Ion Ratio Lower Upper

63 100

106 27.4 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN049866.D (-2504) (-)

Ion 105.90 (105.60 to 106.60): VN049866.D (-2504) (-)

9.70

250000

200000

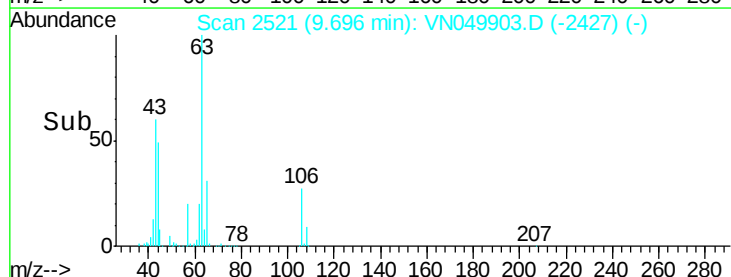
150000

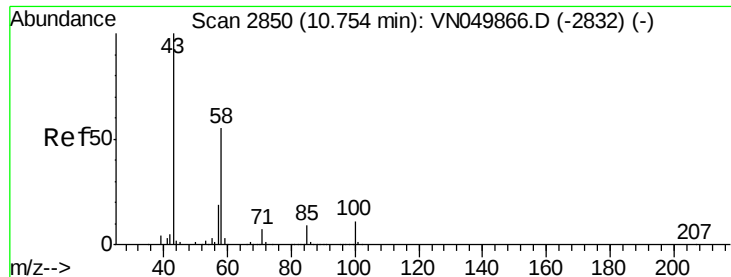
100000

50000

0

Time-->

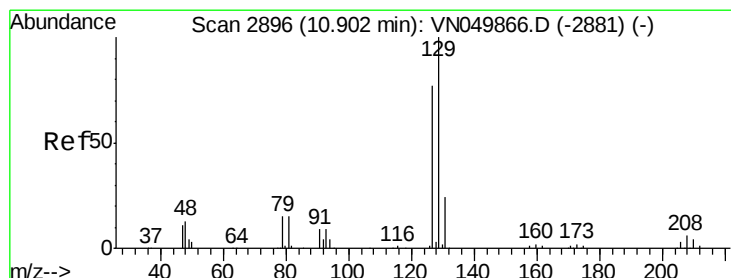
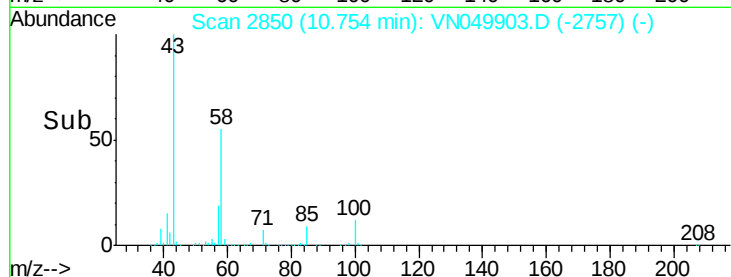
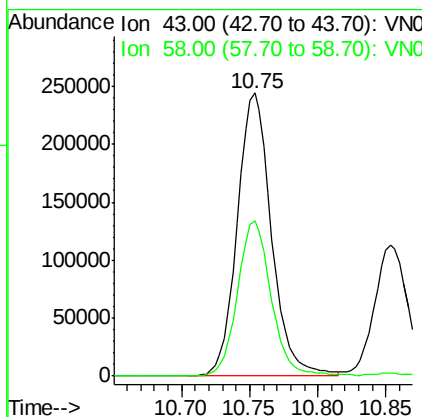
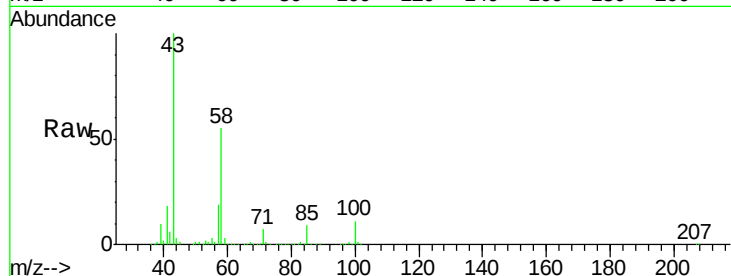




#59
2-Hexanone
Concen: 91.32 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

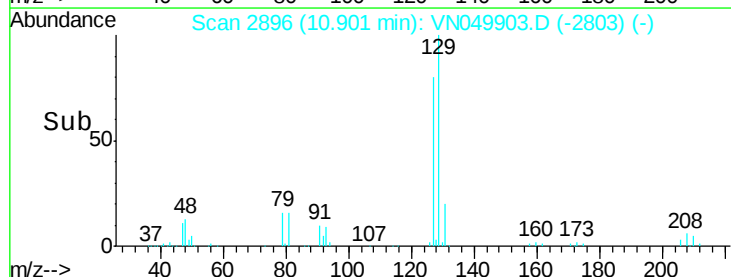
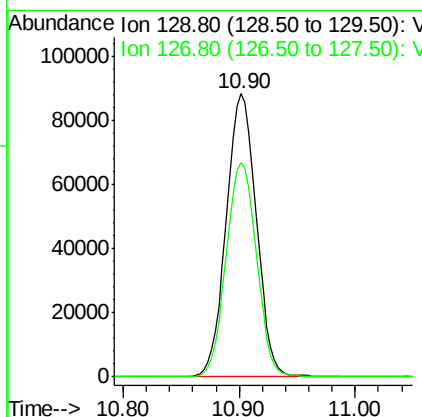
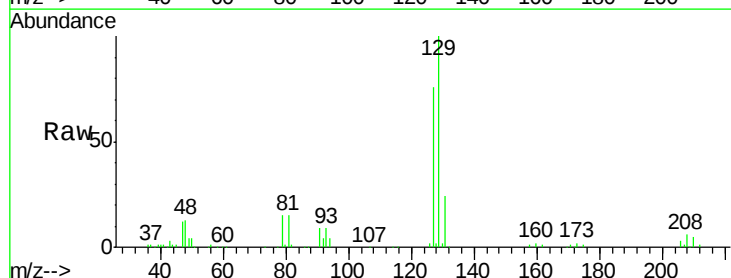
Instrument :
MSVOA_N
ClientSampled :

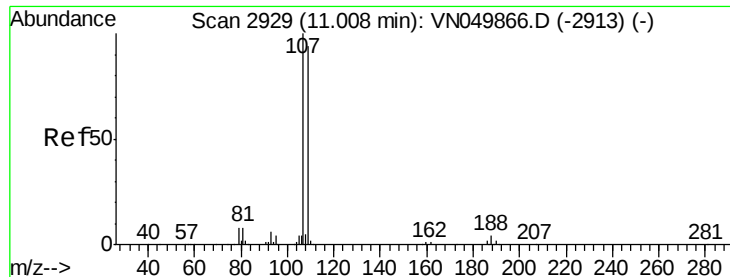
Tot Ion: 43 Resp: 422144
Ion Ratio Lower Upper
43 100
58 54.6 27.8 83.4



#60
Dibromochloromethane
Concen: 18.76 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 129 Resp: 158577
Ion Ratio Lower Upper
129 100
127 76.5 38.3 114.9

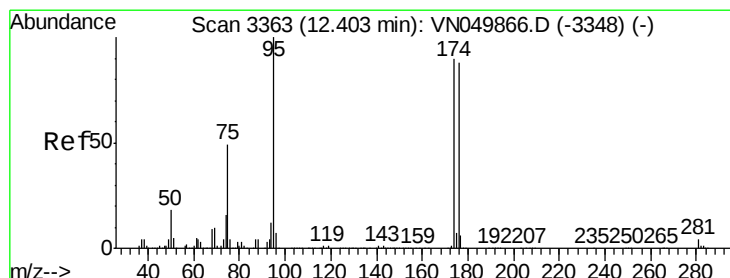
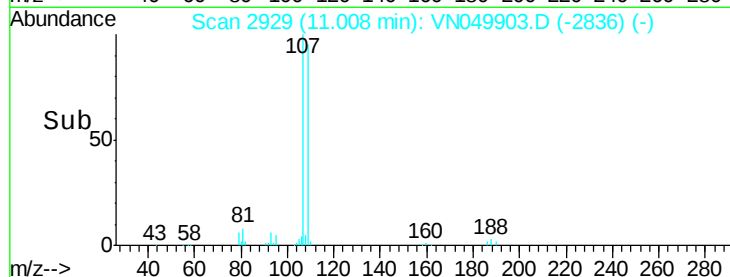
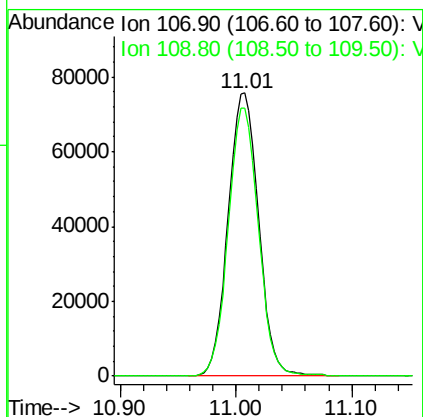
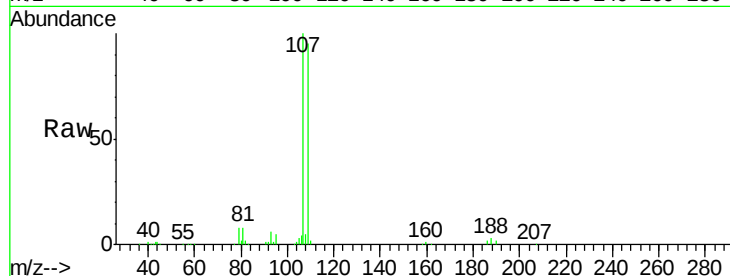




#61
 1,2-Dibromoethane
 Concen: 19.17 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

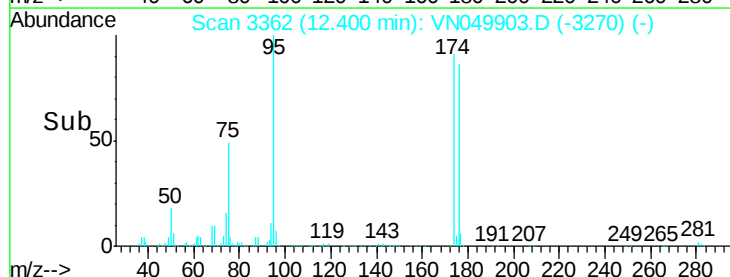
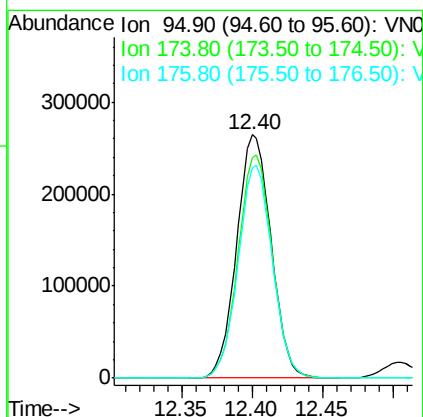
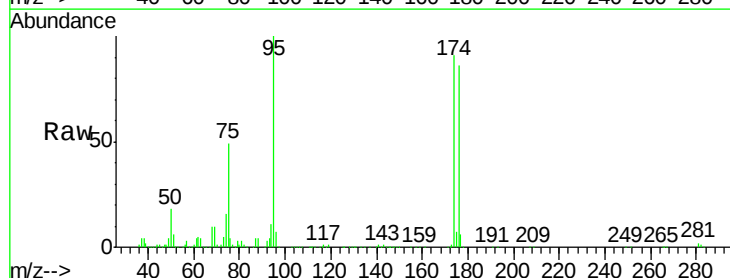
Instrument :
 MSVOA_N
 ClientSampleId :

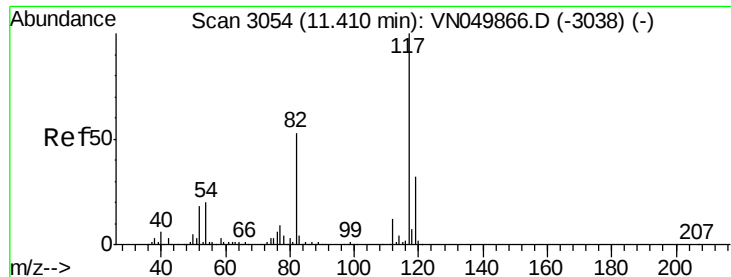
Tot Ion: 107 Resp: 138091
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 46.66 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion: 95 Resp: 453643
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 179.6
 176 86.7 0.0 174.0

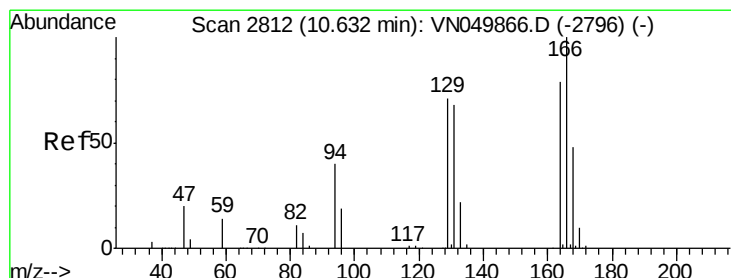
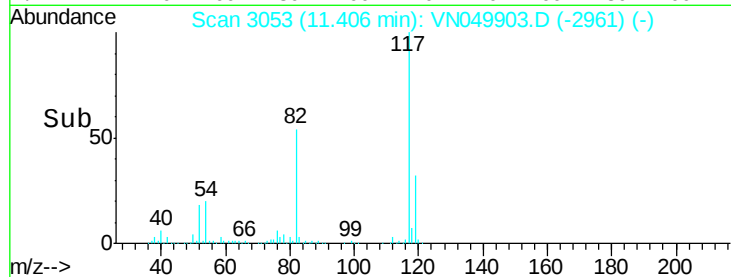
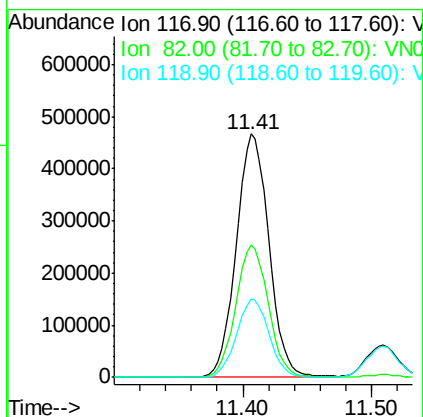
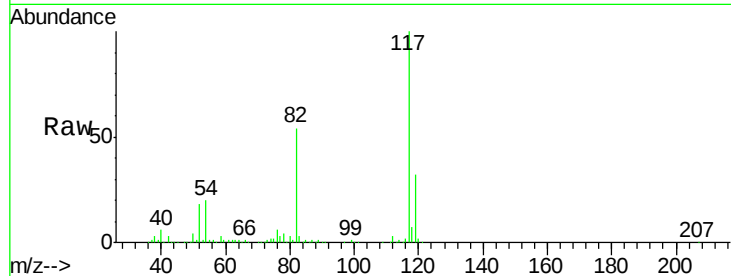




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

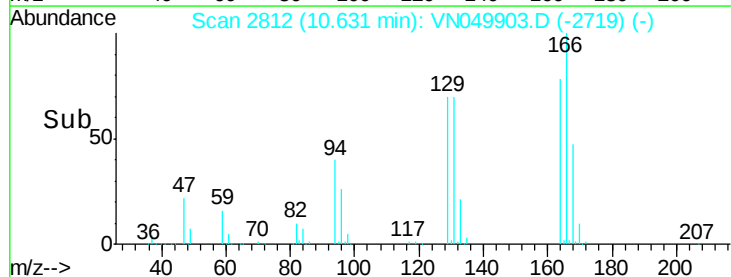
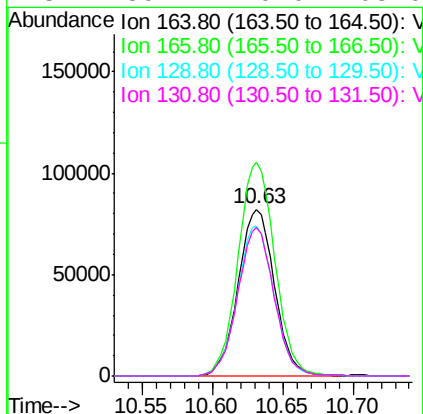
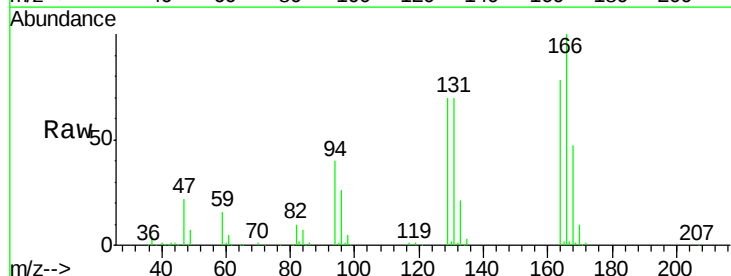
Instrument :
MSVOA_N
ClientSampleId :

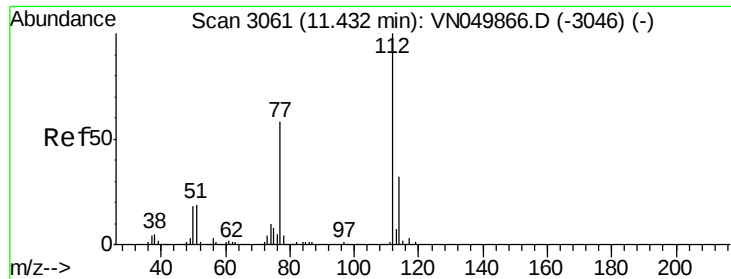
Tot Ion:117 Resp: 824471
Ion Ratio Lower Upper
117 100
82 54.4 41.9 62.9
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 20.00 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion:164 Resp: 148188
Ion Ratio Lower Upper
164 100
166 128.1 101.8 152.6
129 90.2 72.8 109.2
131 89.4 70.0 105.0

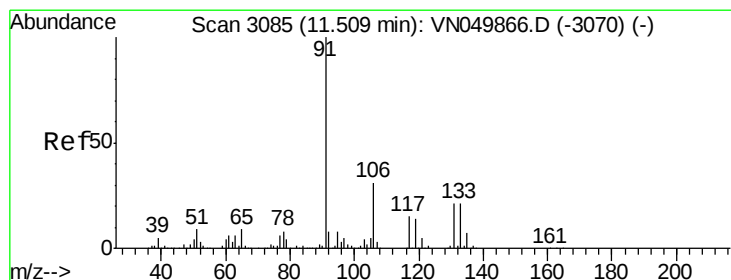
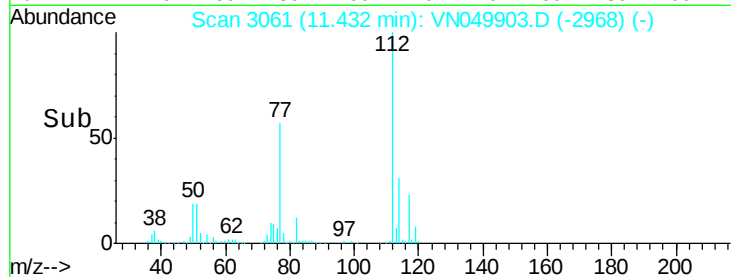
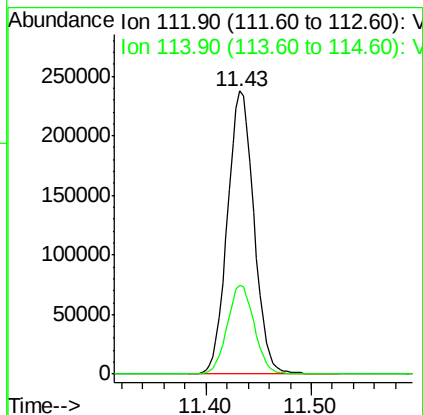
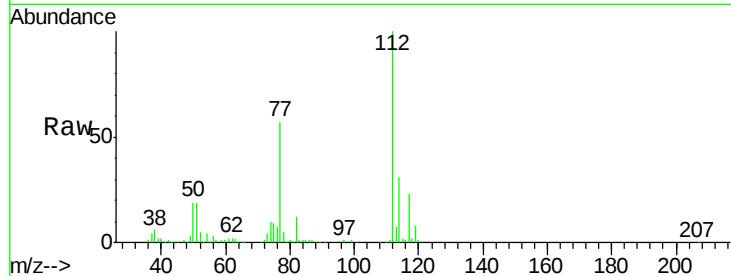




#65
Chlorobenzene
Concen: 19.96 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

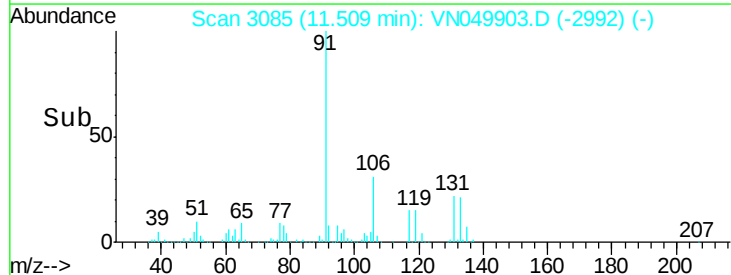
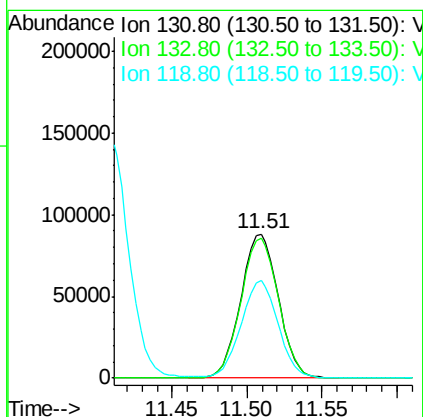
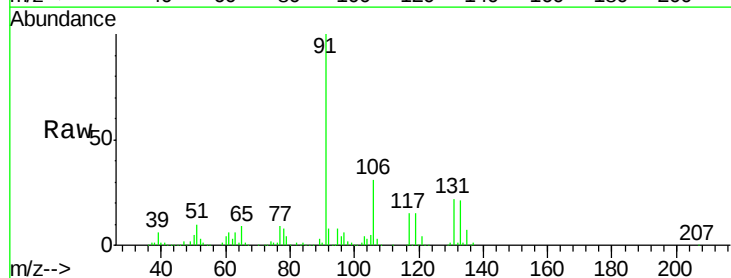
Instrument :
MSVOA_N
ClientSampled :

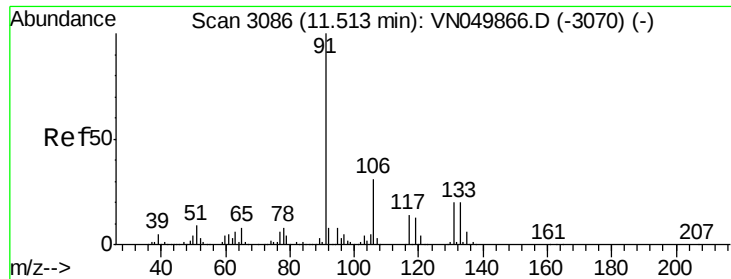
Tot Ion:112 Resp: 413440
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.23 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion:131 Resp: 154333
Ion Ratio Lower Upper
131 100
133 97.7 47.5 142.6
119 67.0 33.1 99.3





#67

Ethyl Benzene

Concen: 20.22 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

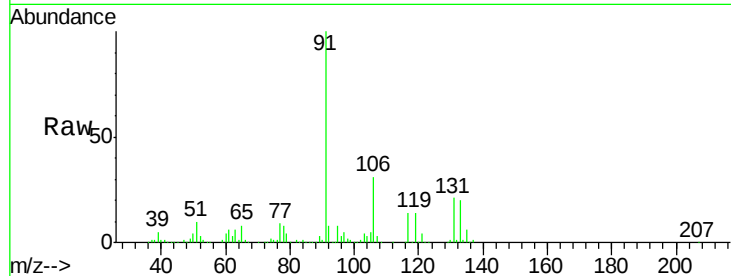
ClientSampled :

Tot Ion: 91 Resp: 679322

Ion Ratio Lower Upper

91 100

106 31.3 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN049866.D (-3070) (-)

600000

500000

400000

300000

200000

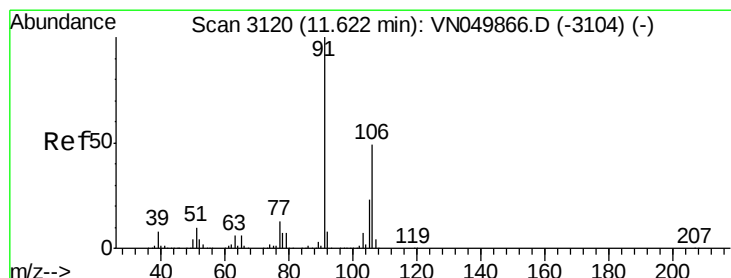
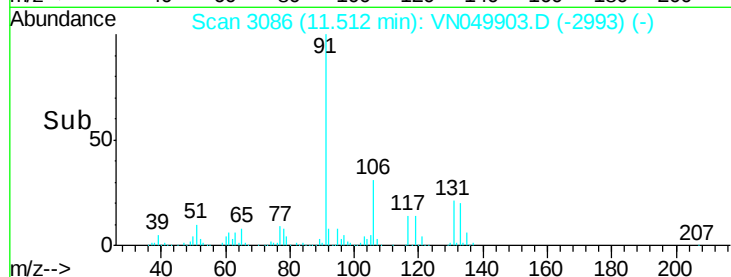
100000

0

11.51

11.60

Time-->



#68

m/p-Xylenes

Concen: 41.99 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049903.D

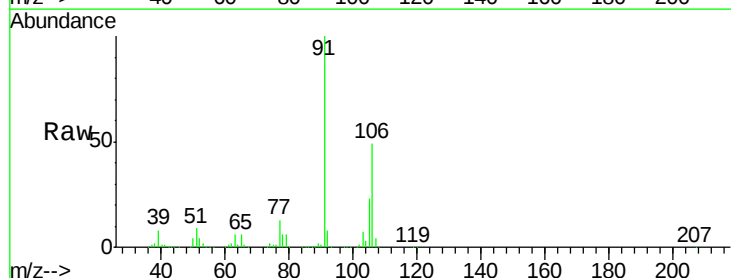
Acq: 19 Jul 2018 5:18

Tgt Ion: 106 Resp: 534118

Ion Ratio Lower Upper

106 100

91 200.4 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049866.D (-3104) (-)

Ion 91.00 (90.70 to 91.70): VN049866.D (-3104) (-)

600000

500000

400000

300000

200000

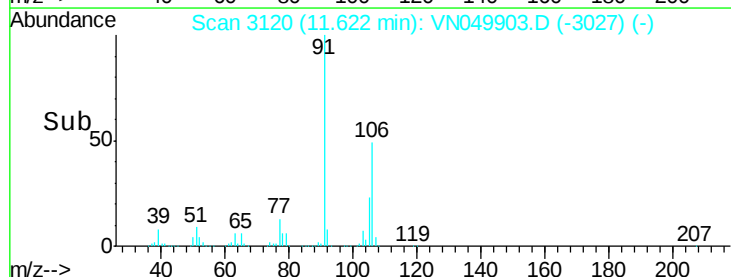
100000

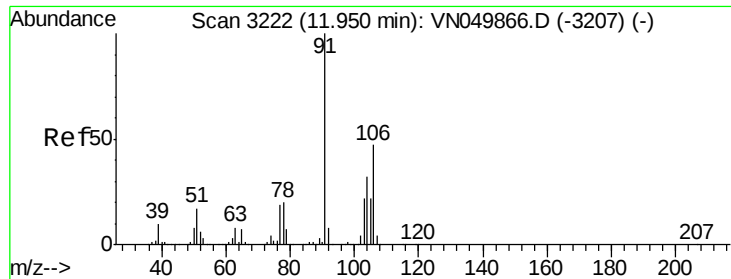
0

11.62

11.70

Time-->

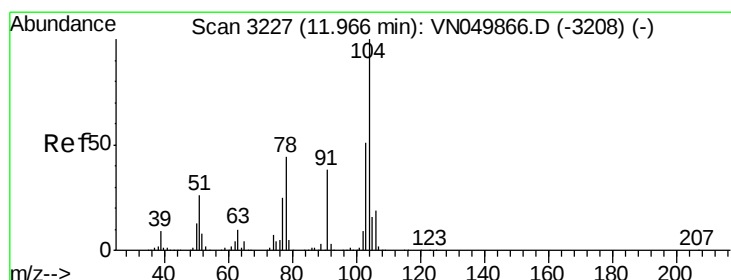
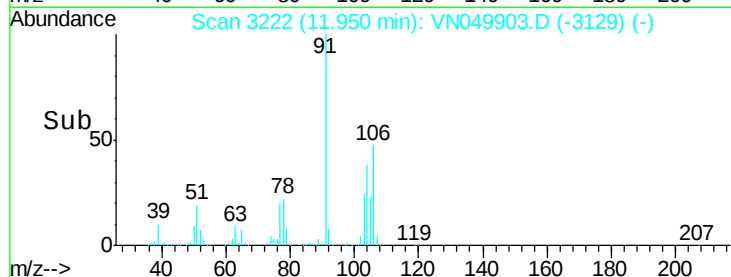
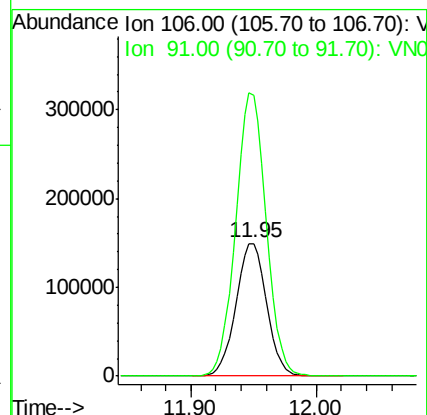
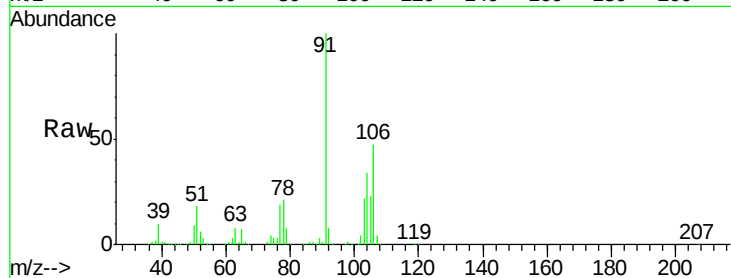




#69
o-Xylene
Concen: 20.73 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

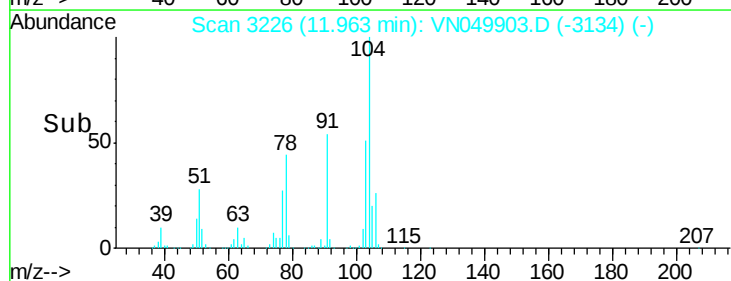
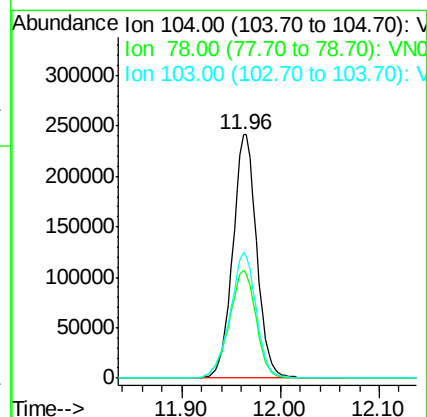
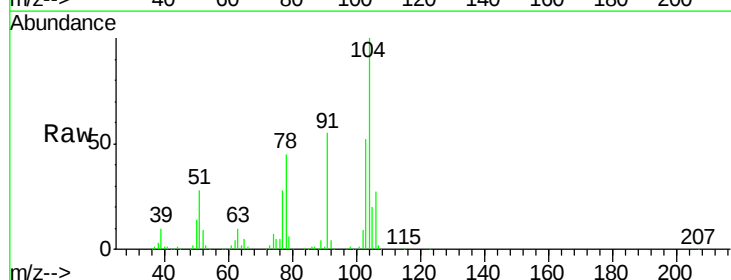
Instrument :
MSVOA_N
ClientSampled :

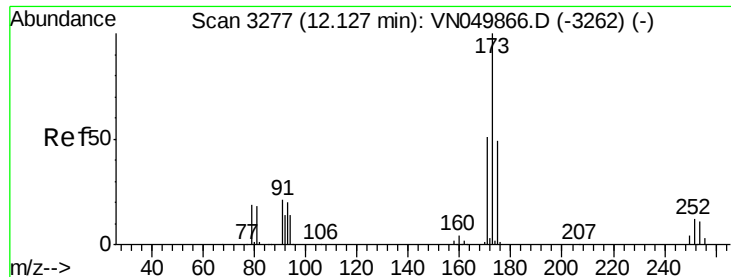
Tot Ion:106 Resp: 253320
Ion Ratio Lower Upper
106 100
91 211.9 108.7 326.1



#70
Styrene
Concen: 20.68 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion:104 Resp: 409220
Ion Ratio Lower Upper
104 100
78 49.4 39.2 58.8
103 56.1 44.6 67.0





#71

Bromoform

Concen: 18.91 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

ClientSampled :

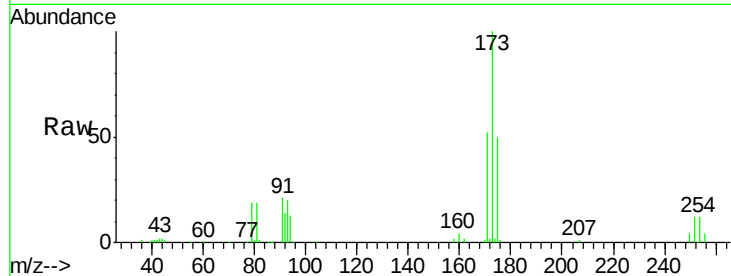
Tot Ion:173 Resp: 108544

Ion Ratio Lower Upper

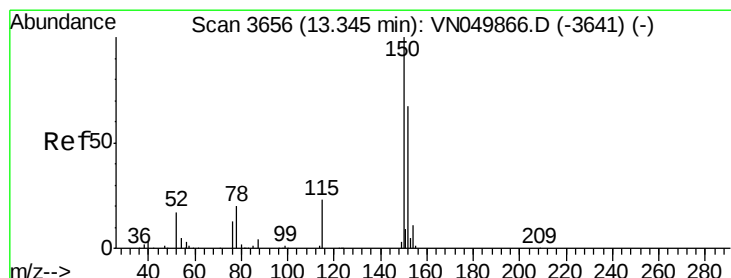
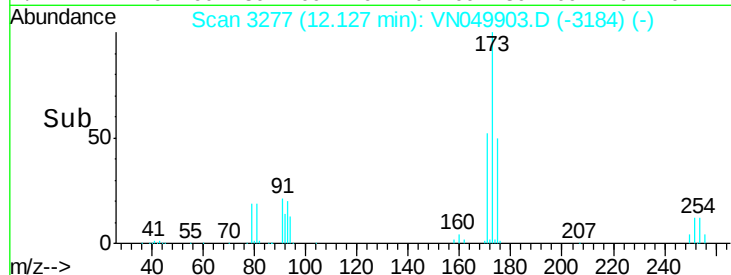
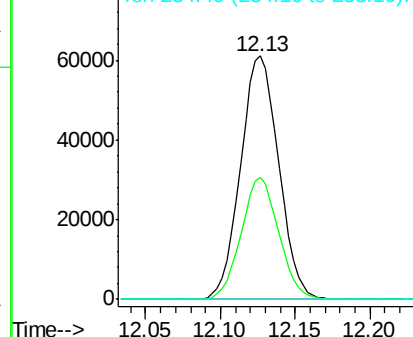
173 100

175 49.2 24.6 73.8

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

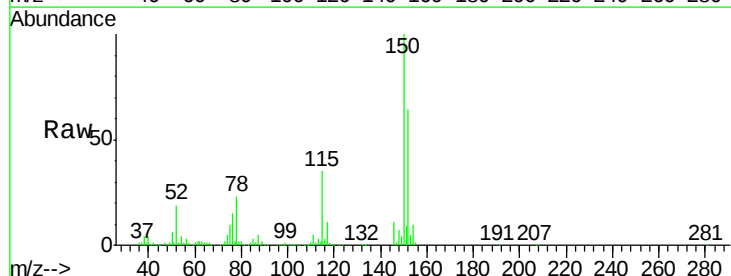
Tgt Ion:152 Resp: 412834

Ion Ratio Lower Upper

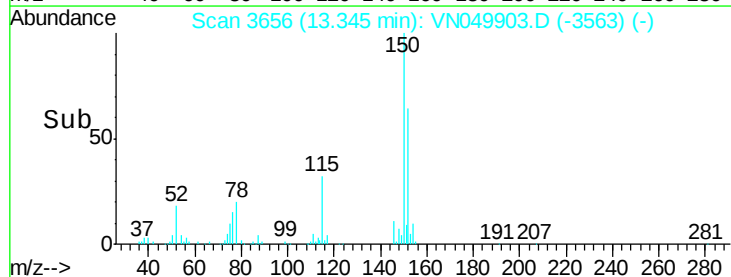
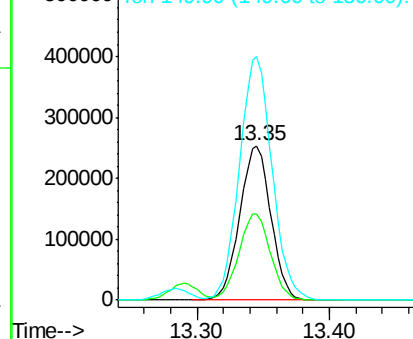
152 100

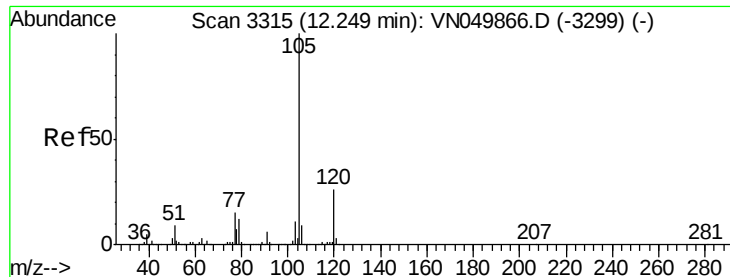
115 56.2 28.1 84.2

150 165.5 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: 21.52 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

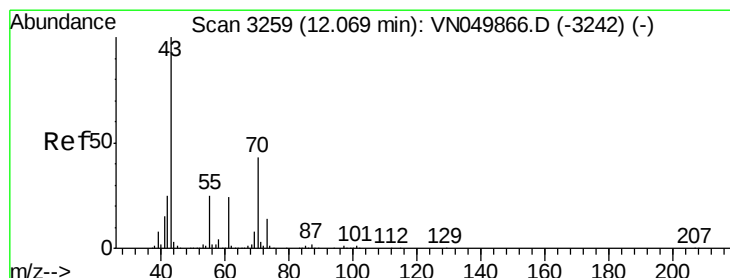
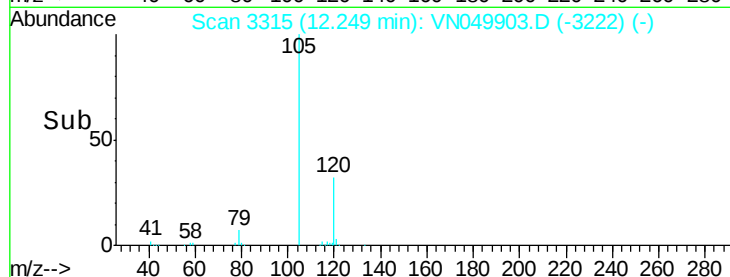
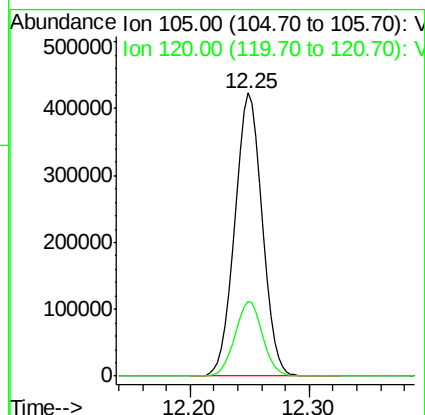
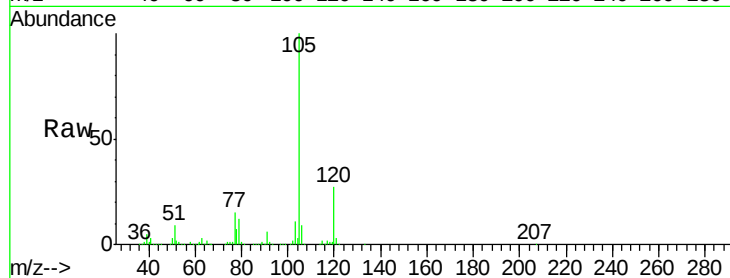
ClientSampleId :

Tot Ion:105 Resp: 674966

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 19.68 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Tgt Ion: 43 Resp: 187875

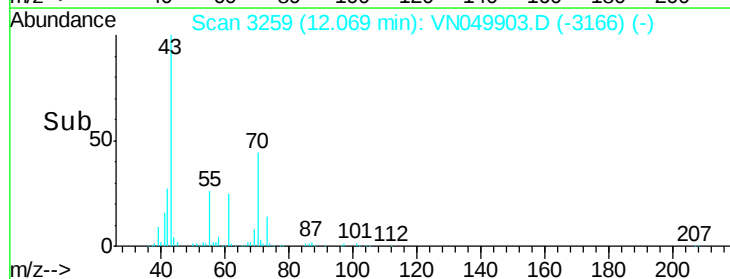
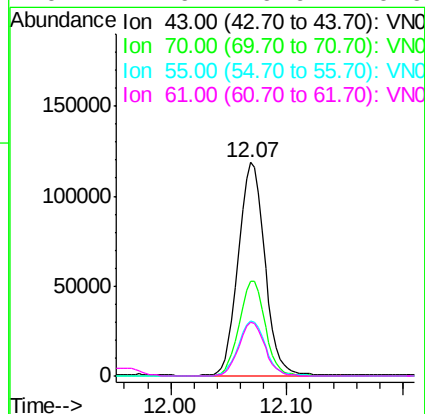
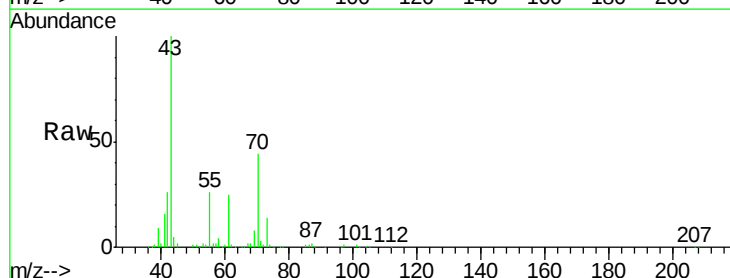
Ion Ratio Lower Upper

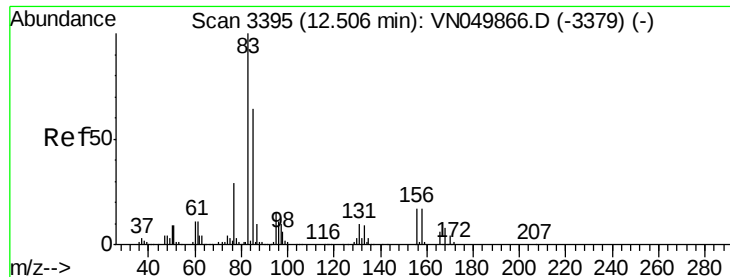
43 100

70 43.8 34.8 52.2

55 26.6 20.9 31.3

61 24.6 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.90 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

ClientSampled :

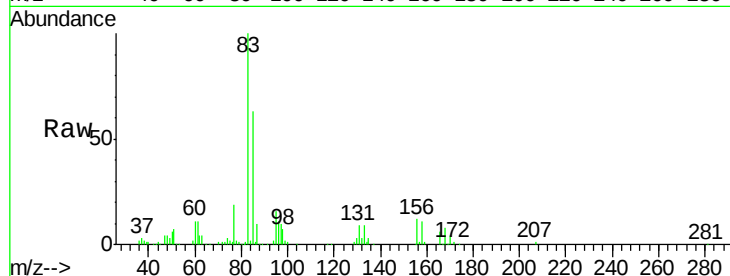
Tot Ion: 83 Resp: 177582

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

85 65.2 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN049866.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN049866.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN049866.D (-3379) (-)

12.50

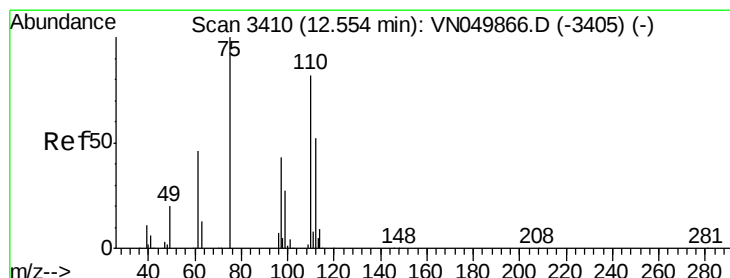
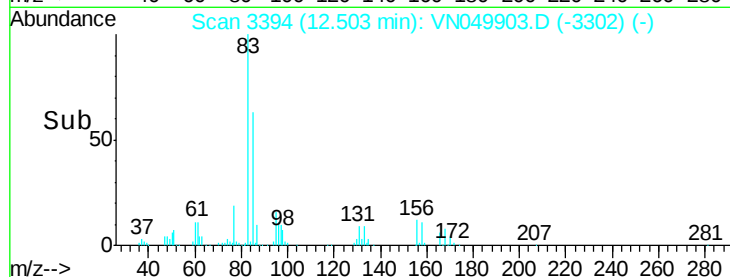
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 27.30 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049903.D

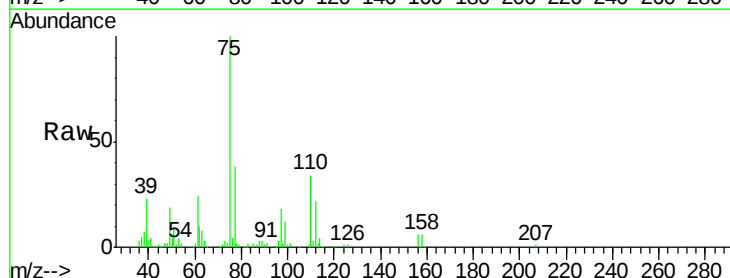
Acq: 19 Jul 2018 5:18

Tgt Ion: 75 Resp: 211385

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049866.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049866.D (-3405) (-)

12.55

150000

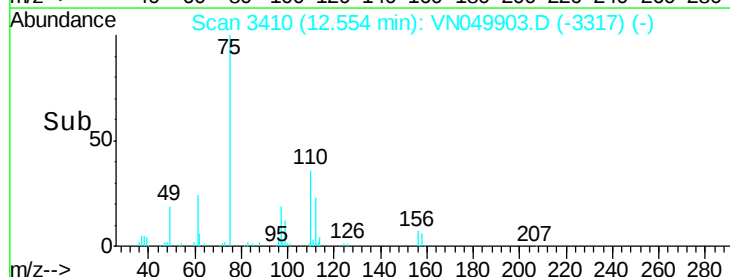
100000

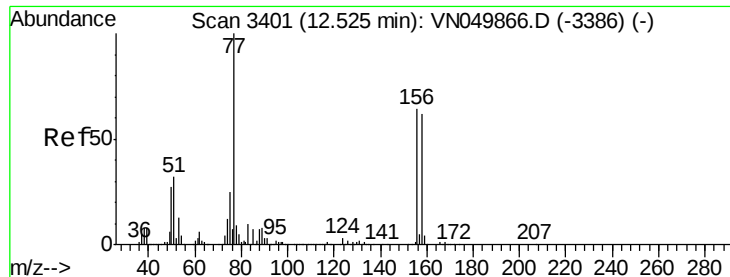
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.41 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

ClientSampled :

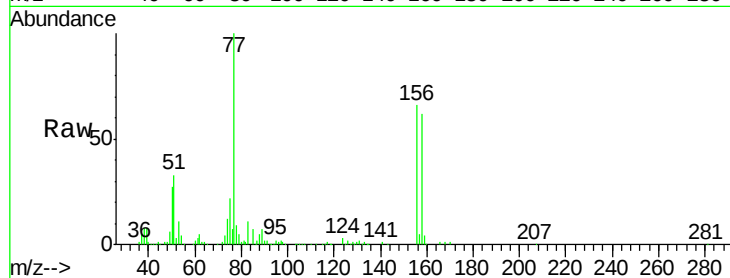
Tot Ion:156 Resp: 176714

Ion Ratio Lower Upper

156 100

77 180.8 90.2 270.6

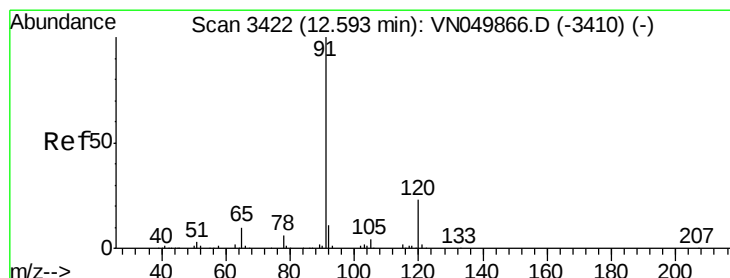
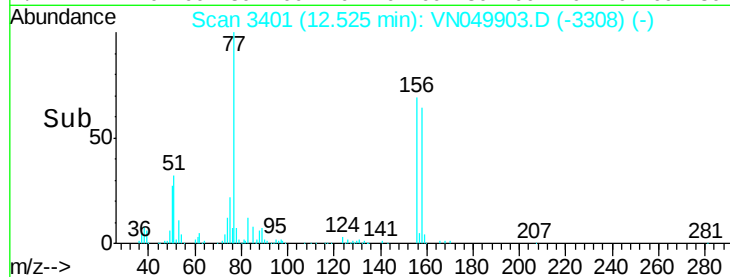
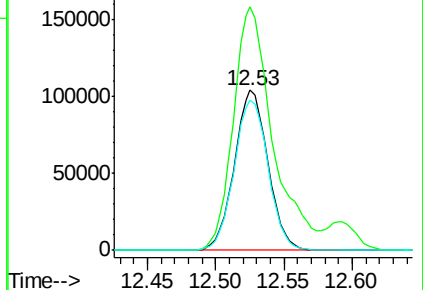
158 95.9 49.1 147.3



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: 21.59 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049903.D

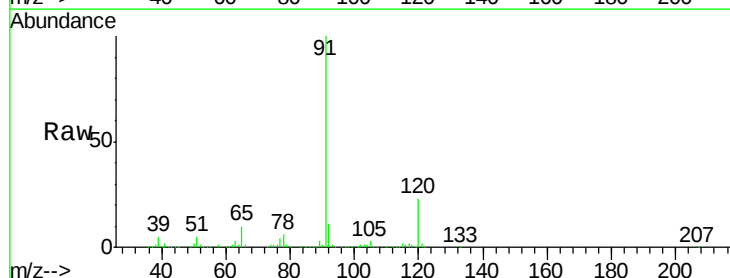
Acq: 19 Jul 2018 5:18

Tgt Ion: 91 Resp: 769747

Ion Ratio Lower Upper

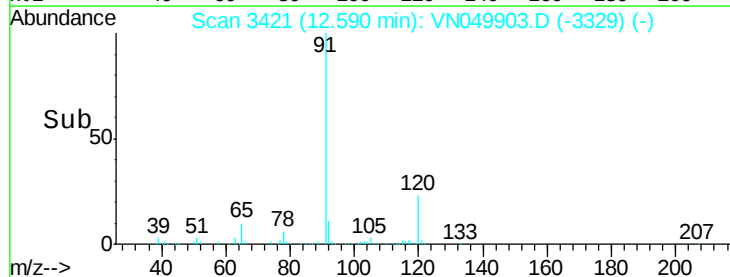
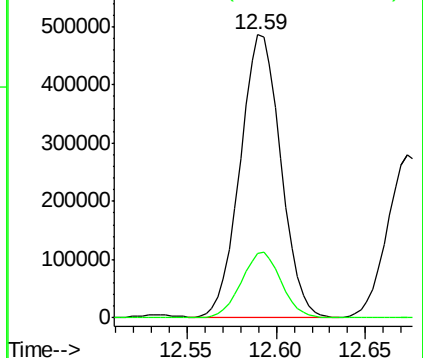
91 100

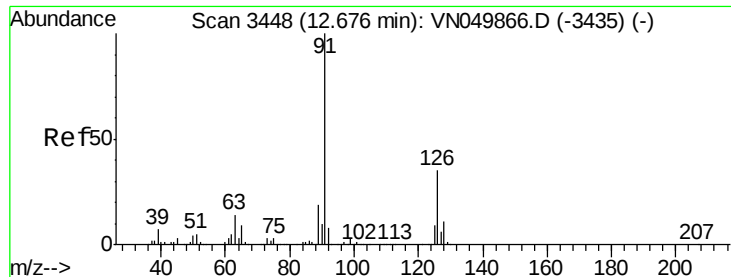
120 22.9 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.22 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

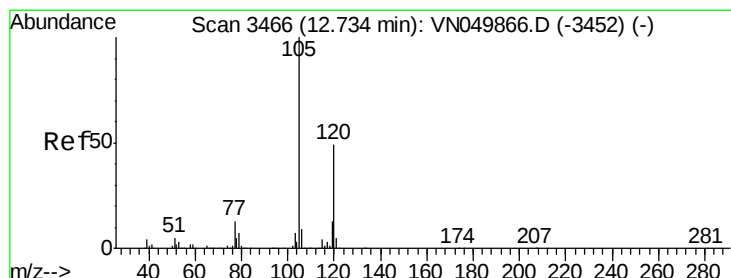
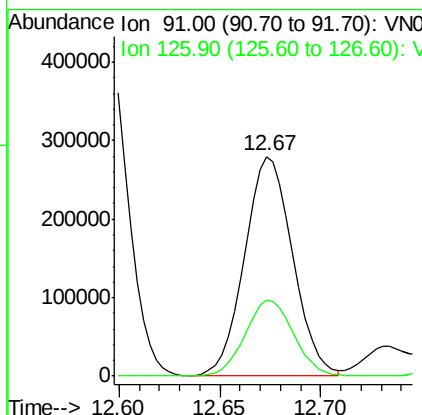
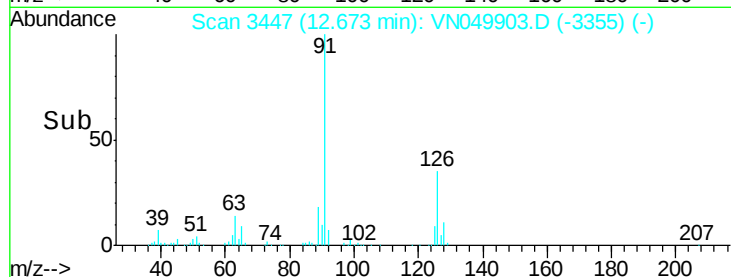
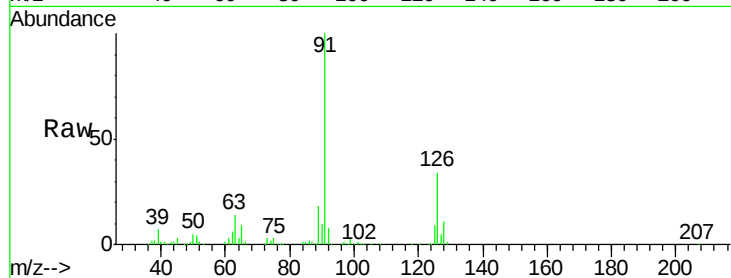
ClientSampled :

Tot Ion: 91 Resp: 464596

Ion Ratio Lower Upper

91 100

126 35.0 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 22.12 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049903.D

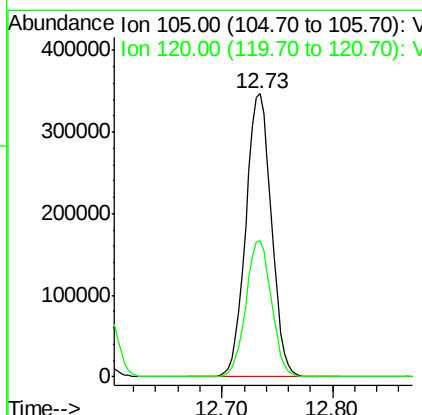
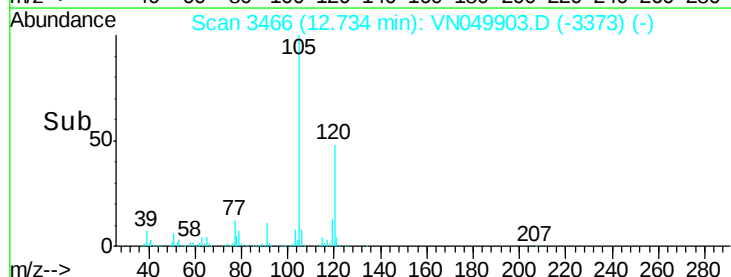
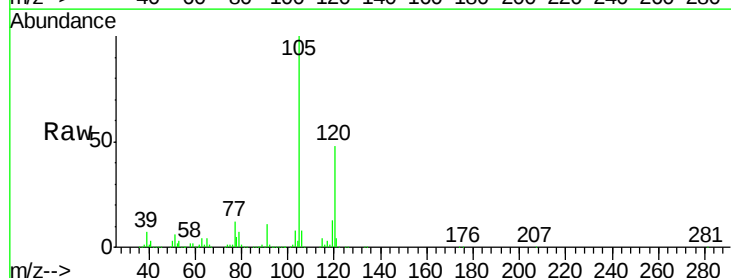
Acq: 19 Jul 2018 5:18

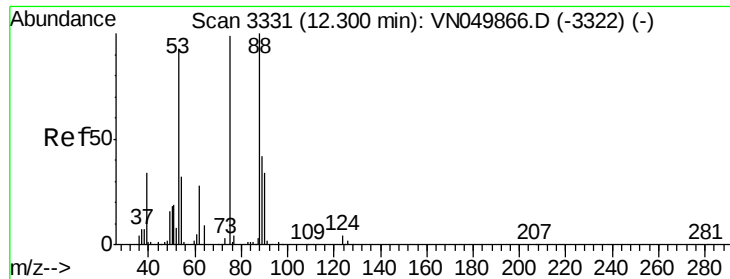
Tgt Ion: 105 Resp: 555938

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.8

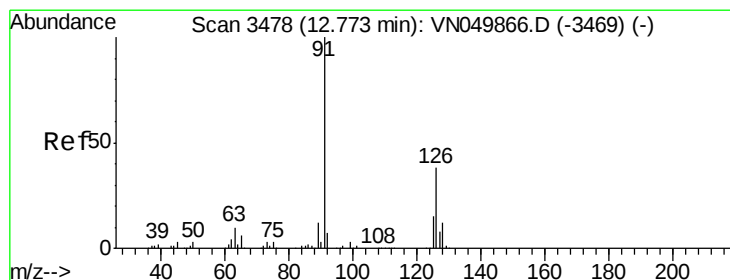
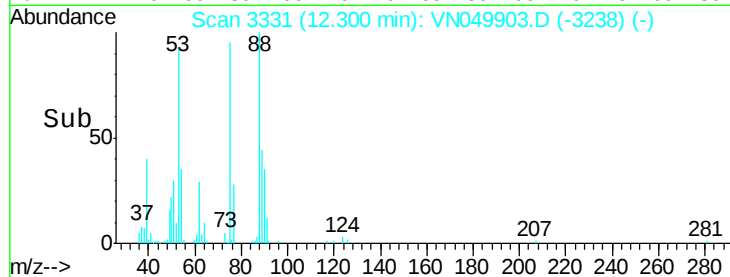
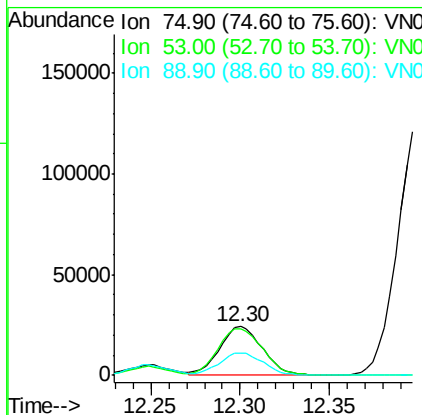
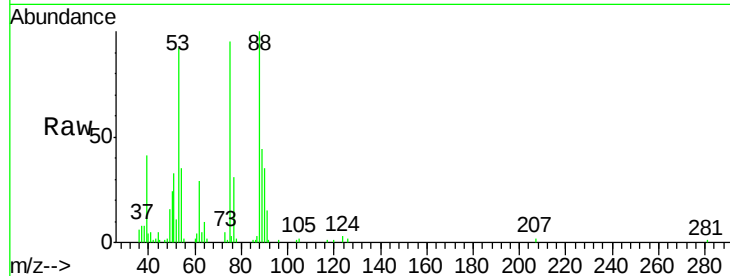




#81
trans-1,4-Dichloro-2-butene
Concen: 16.43 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

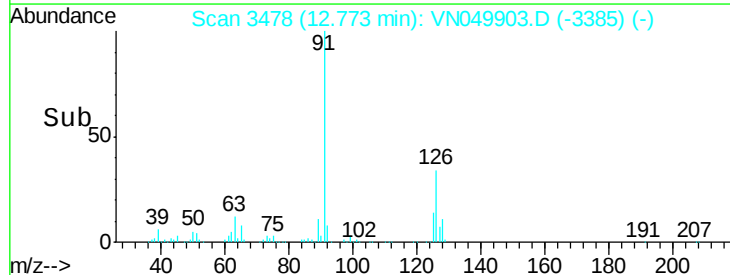
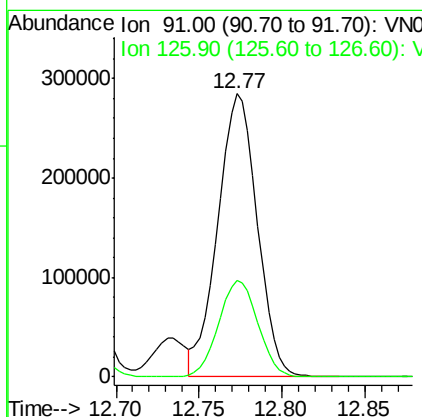
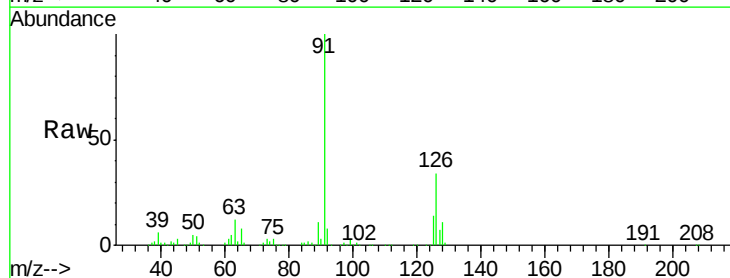
Instrument :
MSVOA_N
ClientSampleId :

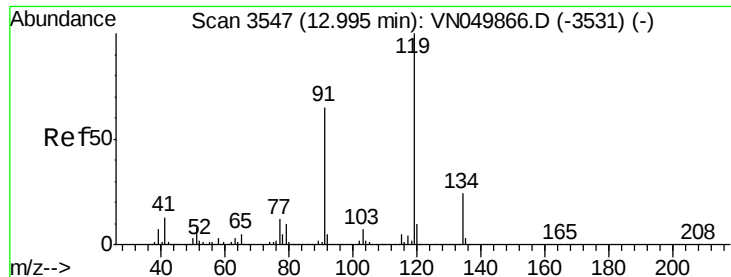
Tot Ion: 75 Resp: 40700
Ion Ratio Lower Upper
75 100
53 101.0 73.9 110.9
89 46.8 35.9 53.9



#82
4-Chlorotoluene
Concen: 21.38 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion: 91 Resp: 469565
Ion Ratio Lower Upper
91 100
126 34.1 17.2 51.6

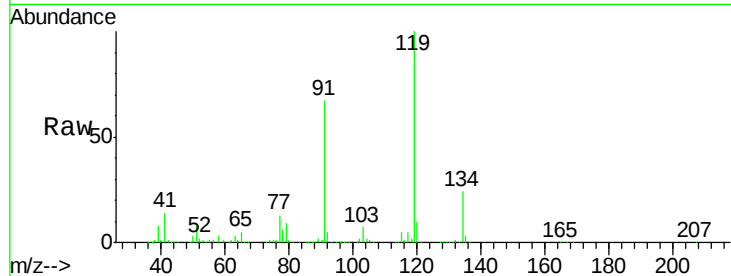




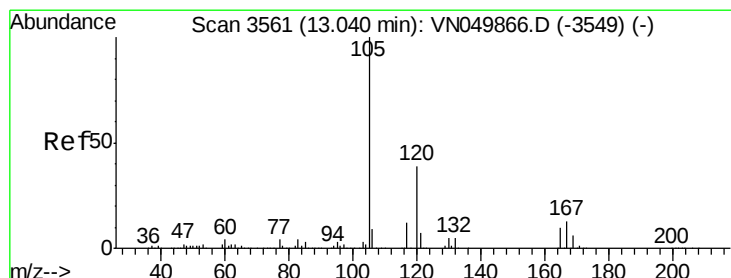
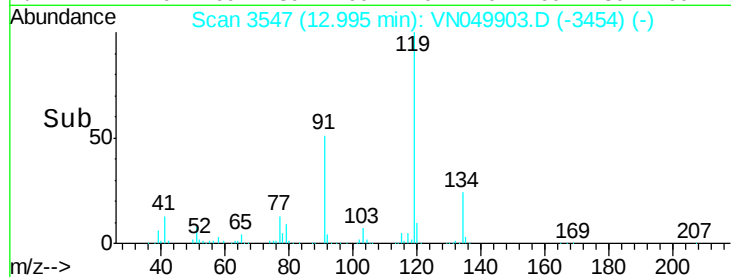
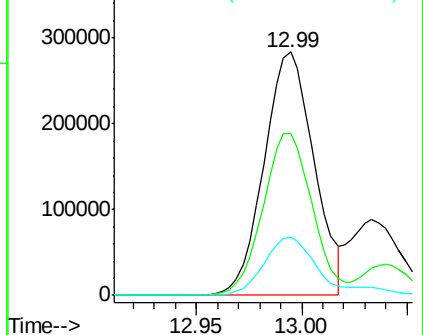
#83
 tert-Butylbenzene
 Concen: 21.17 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 467316
 Ion Ratio Lower Upper
 119 100
 91 65.6 32.0 96.2
 134 24.5 12.8 38.4

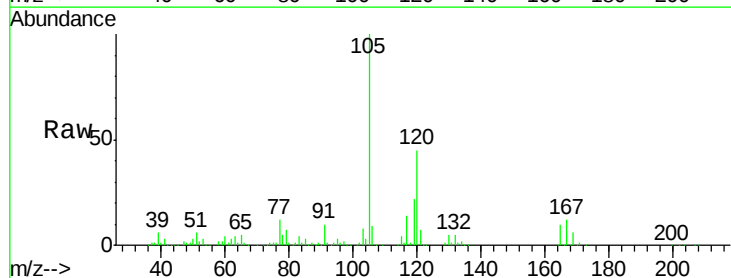


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

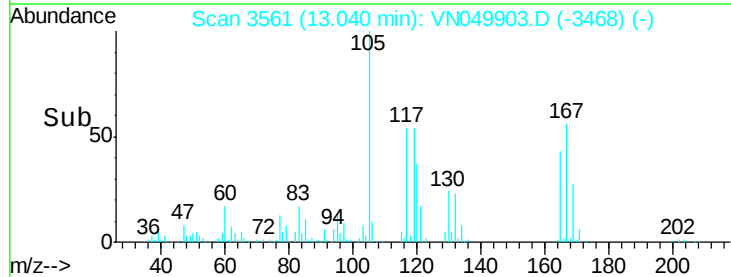
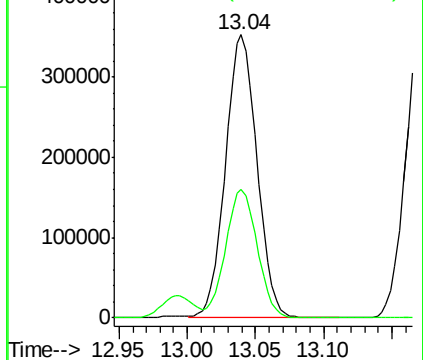


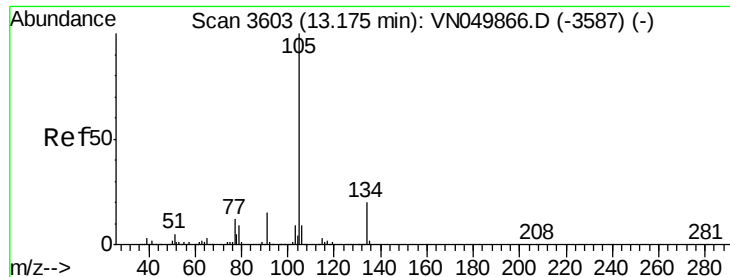
#84
 1,2,4-Trimethylbenzene
 Concen: 22.16 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion:105 Resp: 564186
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.7 68.1



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





#85

sec-Butylbenzene

Concen: 21.73 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

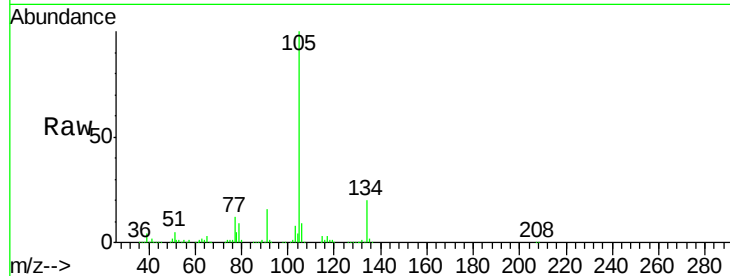
ClientSampled :

Tot Ion:105 Resp: 633869

Ion Ratio Lower Upper

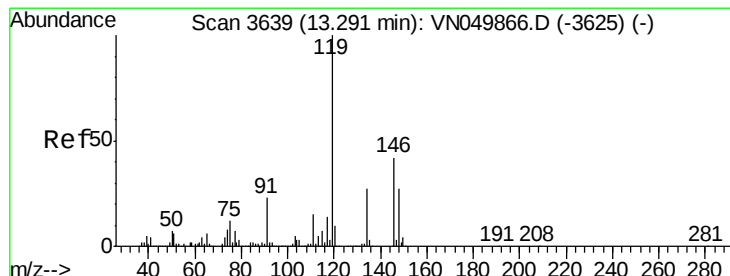
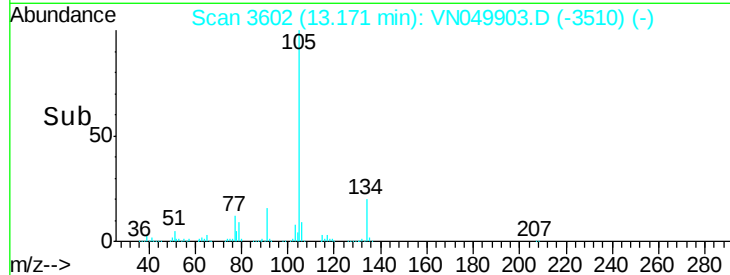
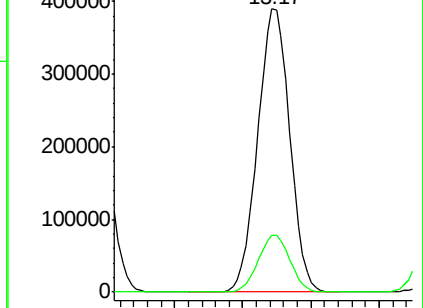
105 100

134 20.0 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: 21.65 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

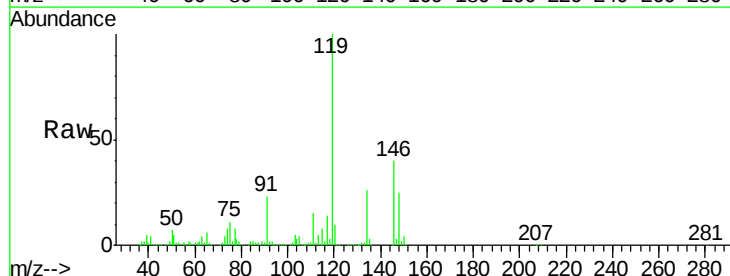
Tgt Ion:119 Resp: 538456

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.9

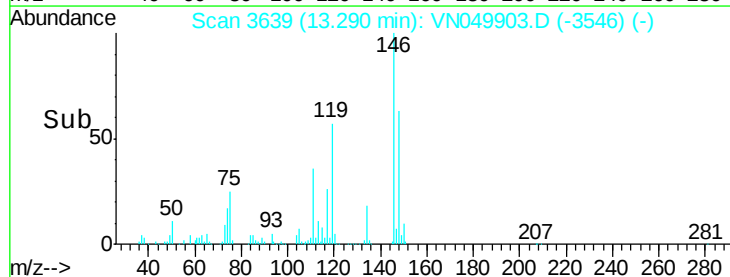
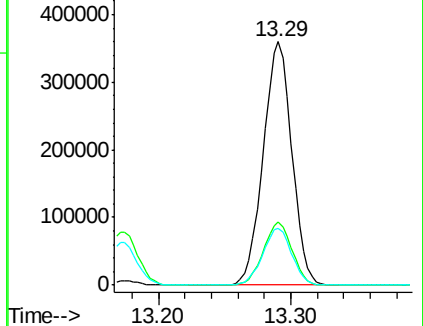
91 23.5 11.4 34.1

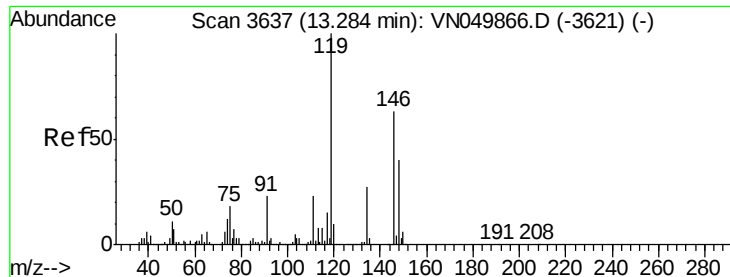


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.26 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

ClientSampleId :

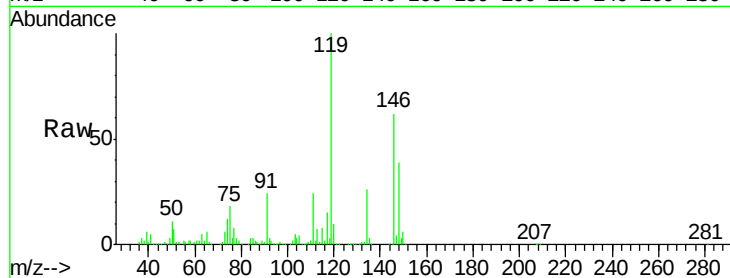
Tot Ion:146 Resp: 305614

Ion Ratio Lower Upper

146 100

111 37.8 19.0 57.0

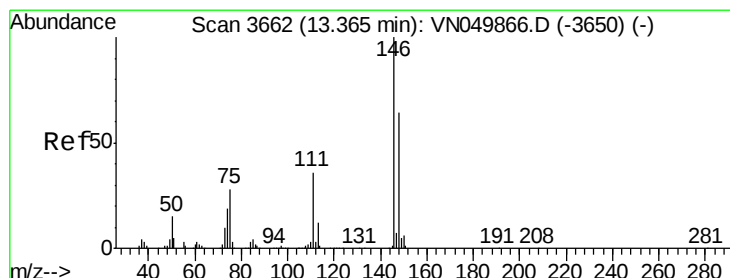
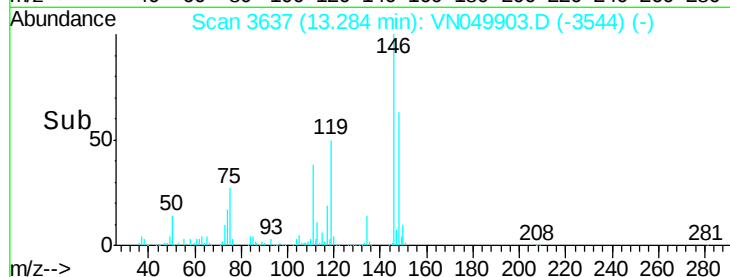
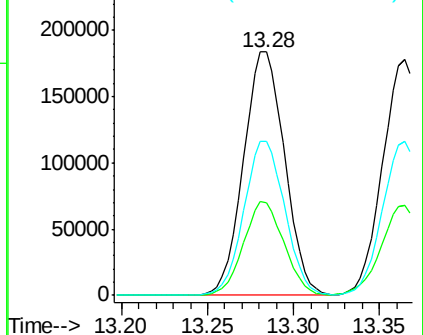
148 62.9 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.37 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

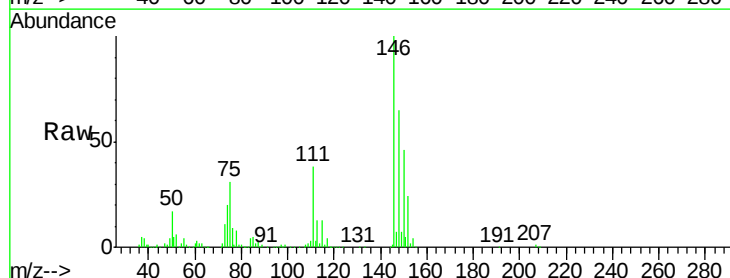
Tgt Ion:146 Resp: 293065

Ion Ratio Lower Upper

146 100

111 38.8 18.9 56.5

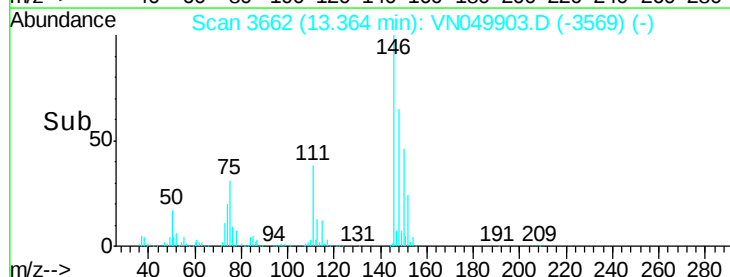
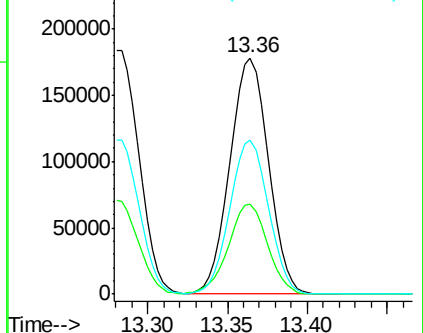
148 65.4 32.1 96.3

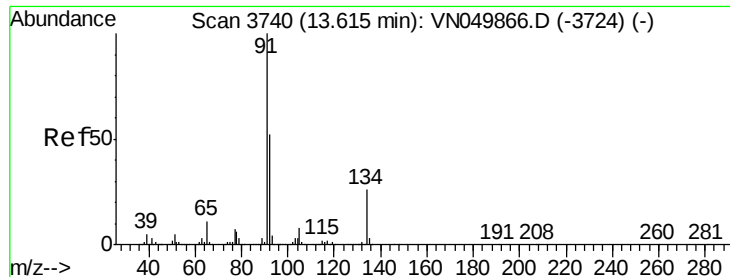


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 20.39 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

ClientSampleId :

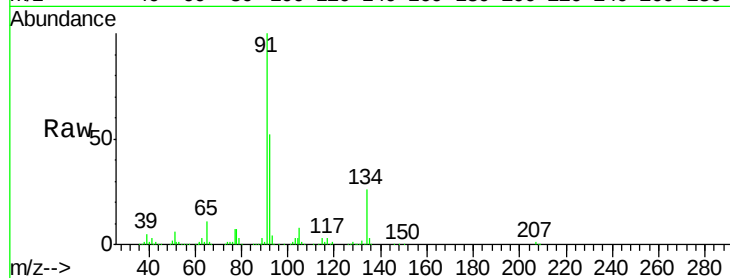
Tot Ion: 91 Resp: 418677

Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.8	77.3
134	26.0	13.0	38.9

91 100

92 50.6 25.8 77.3

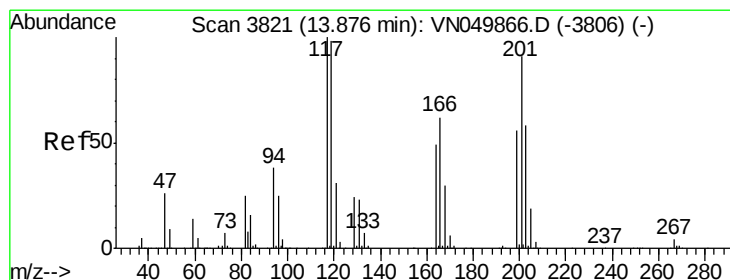
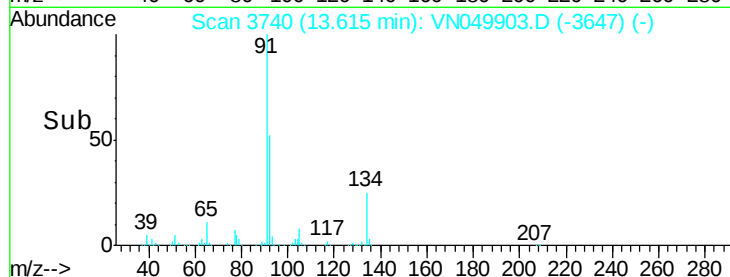
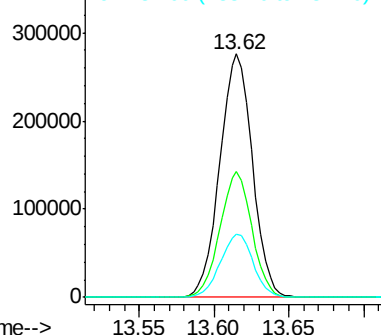
134 26.0 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3724) (-)

Ion 92.00 (91.70 to 92.70): VN049866.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN049866.D (-3724) (-)



#90

Hexachloroethane

Concen: 19.30 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN049903.D

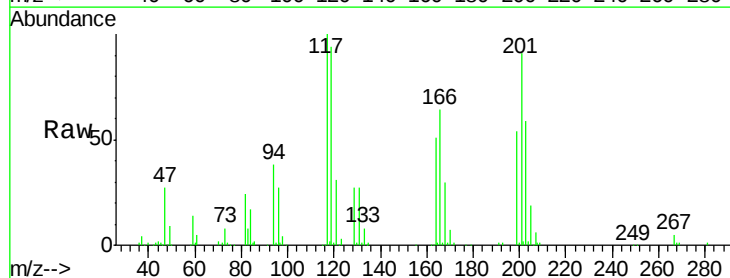
Acq: 19 Jul 2018 5:18

Tgt Ion: 117 Resp: 107696

Ion	Ratio	Lower	Upper
117	100		
201	89.4	45.3	135.8

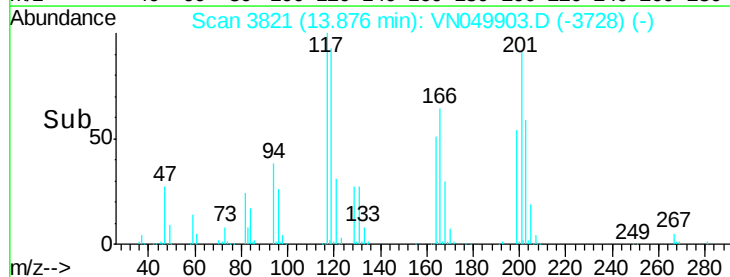
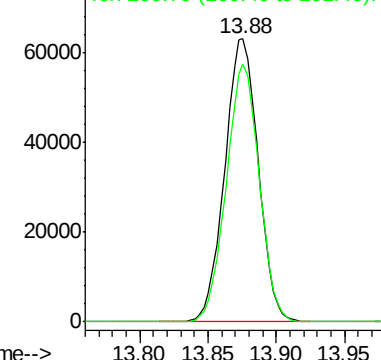
117 100

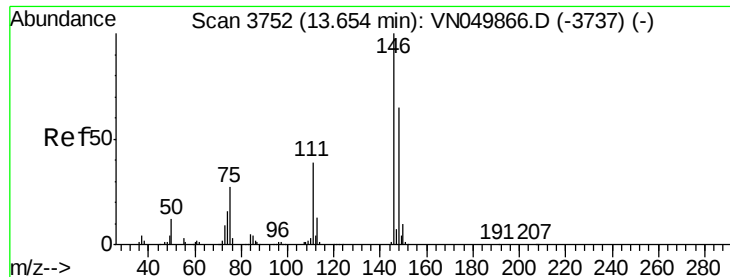
201 89.4 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): VN049866.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN049866.D (-3806) (-)





#91

1,2-Dichlorobenzene

Concen: 20.15 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

Instrument :

MSVOA_N

ClientSampled :

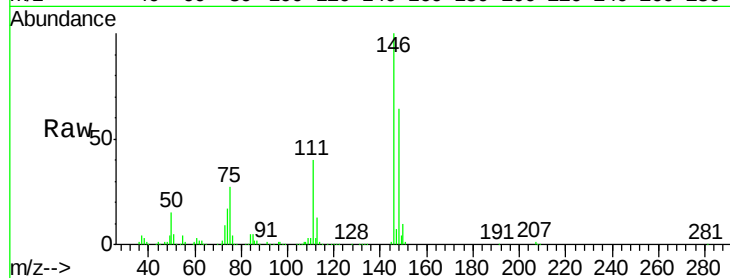
Tot Ion:146 Resp: 298852

Ion Ratio Lower Upper

146 100

111 39.9 19.7 59.1

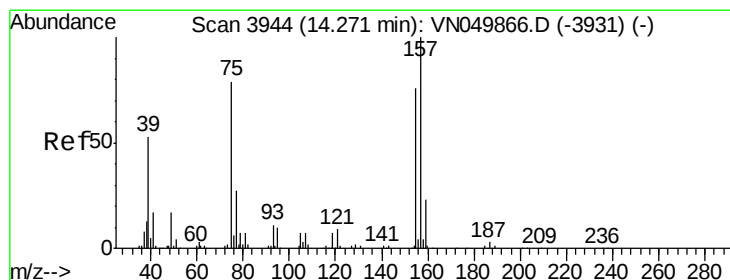
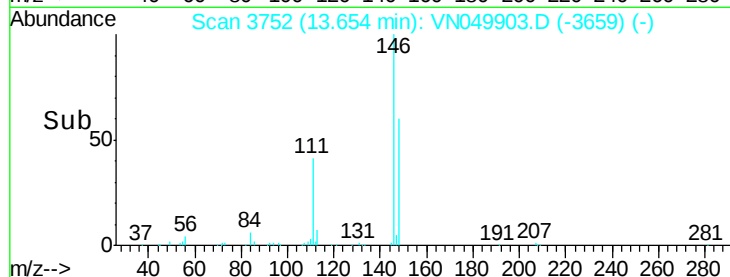
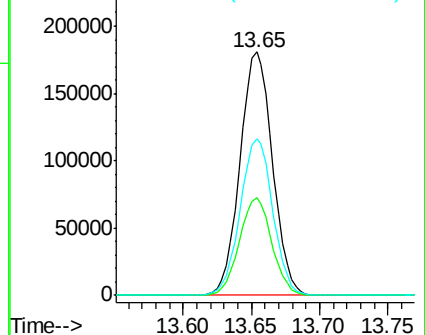
148 64.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.20 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049903.D

Acq: 19 Jul 2018 5:18

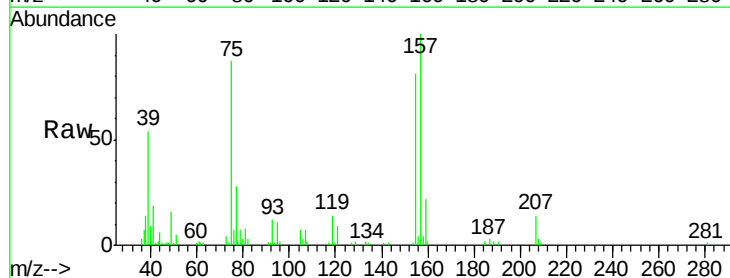
Tgt Ion: 75 Resp: 26424

Ion Ratio Lower Upper

75 100

155 89.7 45.7 137.1

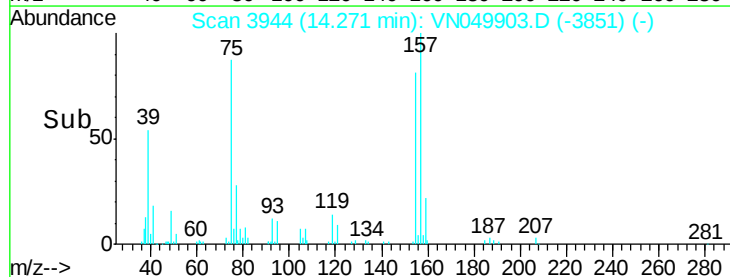
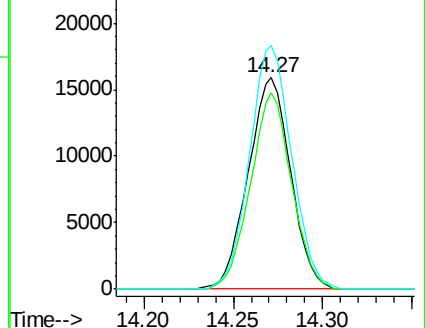
157 114.6 56.9 170.7

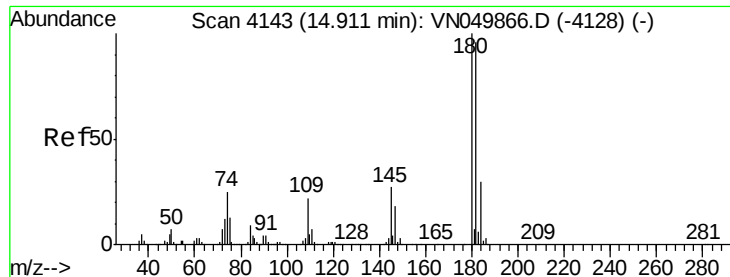


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

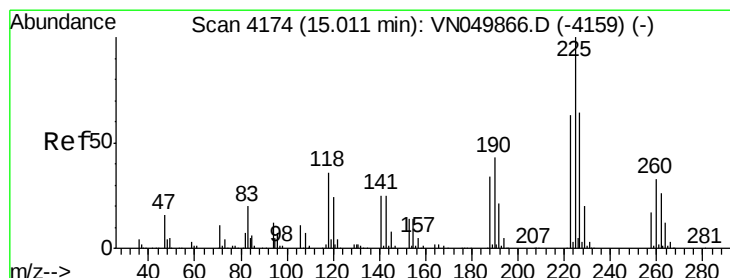
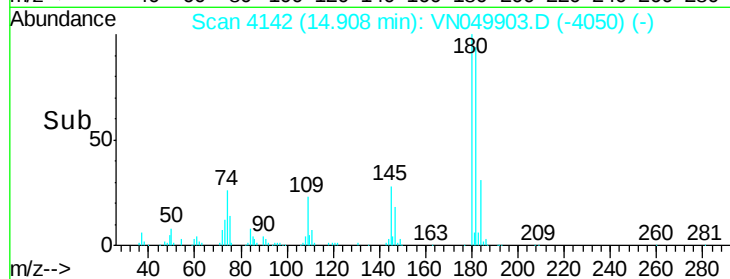
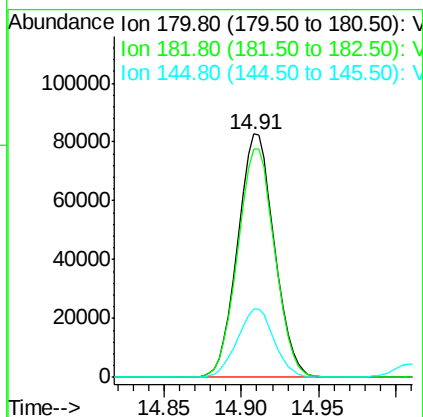
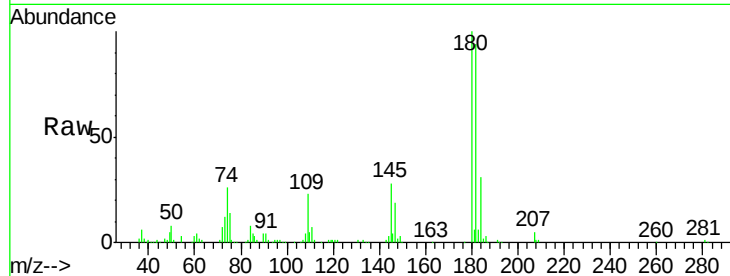




#93
 1,2,4-Trichlorobenzene
 Concen: 18.97 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

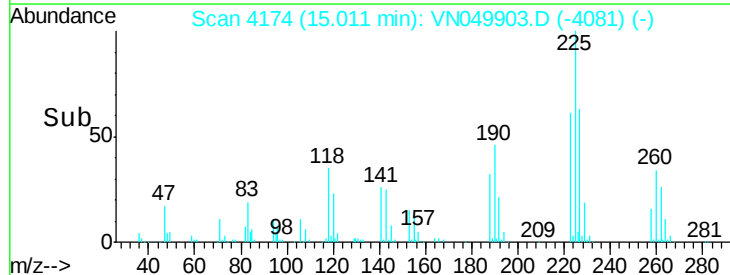
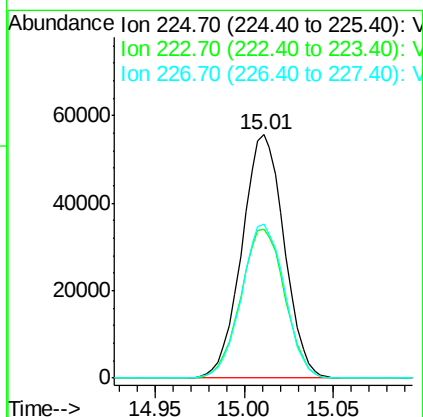
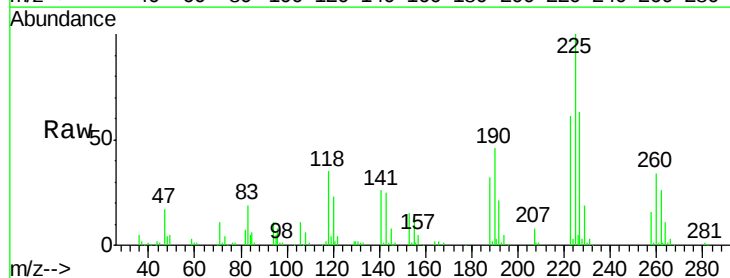
Instrument :
 MSVOA_N
 ClientSampled :

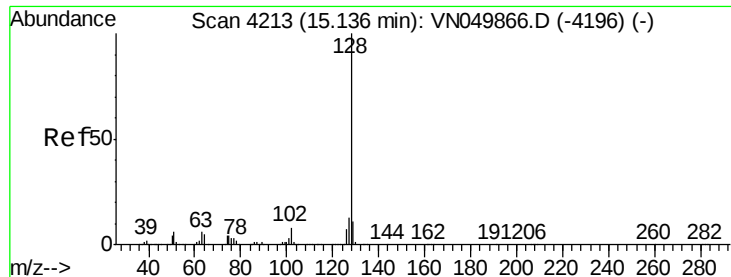
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.9
145	28.2	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 18.90 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049903.D
 Acq: 19 Jul 2018 5:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	30.9	92.7
227	64.3	31.8	95.4

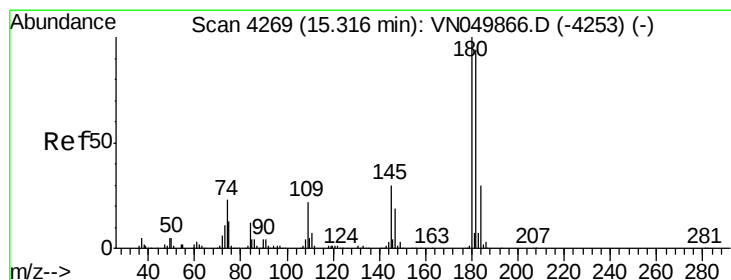
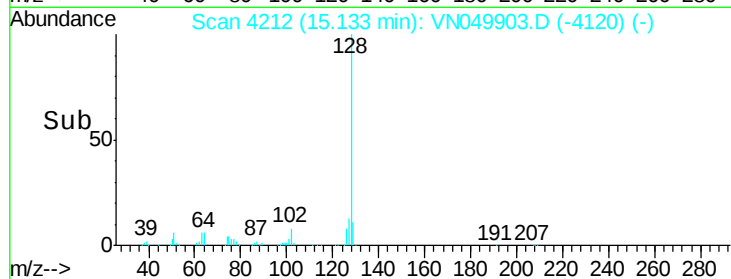
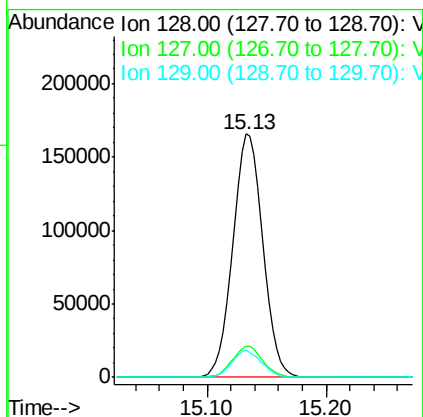
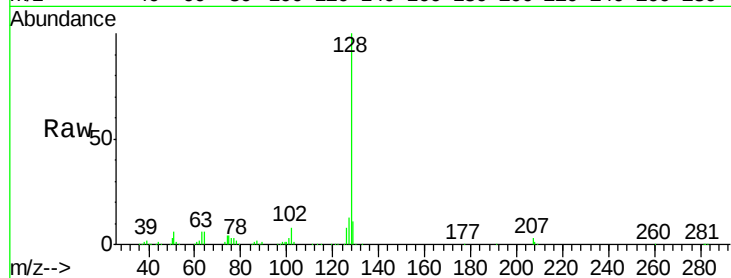




#95
Naphthalene
Concen: 17.99 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 289902
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 19.88 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049903.D
Acq: 19 Jul 2018 5:18

Tgt Ion:180 Resp: 141513
Ion Ratio Lower Upper
180 100
182 95.4 47.4 142.2
145 29.5 15.2 45.6

