

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
 Data File : VN049646.D
 Acq On : 30 Jun 2018 14:26
 Operator : MD\SY
 Sample : VN0630WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 01:21:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1311990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1921964	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1723224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	907939	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	773341	44.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.26%	
35) Dibromofluoromethane	7.59	113	672246	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
50) Toluene-d8	10.09	98	2580869	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	
62) 4-Bromofluorobenzene	12.40	95	869905	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	294572	19.92	ug/l	99
3) Chloromethane	2.06	50	334299	18.10	ug/l	99
4) Vinyl Chloride	2.18	62	372199	18.77	ug/l	100
5) Bromomethane	2.57	94	192922	18.52	ug/l	99
6) Chloroethane	2.70	64	231208	18.42	ug/l	100
7) Trichlorofluoromethane	3.02	101	448696	19.81	ug/l	98
8) Diethyl Ether	3.41	74	173002	18.84	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	316754	19.43	ug/l	100
10) Methyl Iodide	3.95	142	418801	20.53	ug/l	99
11) Tert butyl alcohol	4.79	59	97517	98.08	ug/l	98
12) 1,1-Dichloroethene	3.73	96	281890	18.29	ug/l	98
13) Acrolein	3.61	56	96778	104.21	ug/l	98
14) Allyl chloride	4.32	41	442095	20.89	ug/l	99
15) Acrylonitrile	4.99	53	490359	95.49	ug/l	98
16) Acetone	3.82	43	360678	98.83	ug/l	99
17) Carbon Disulfide	4.05	76	759532	17.68	ug/l	100
18) Methyl Acetate	4.33	43	313312	16.79	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	771425	19.42	ug/l	100
20) Methylene Chloride	4.54	84	331030	18.55	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	291571	18.38	ug/l	99
22) Diisopropyl ether	5.95	45	937860	19.58	ug/l	96
23) Vinyl Acetate	5.90	43	2899342	93.36	ug/l	99
24) 1,1-Dichloroethane	5.85	63	573039	18.99	ug/l	100
25) 2-Butanone	6.84	43	546447	95.00	ug/l	98
26) 2,2-Dichloropropane	6.82	77	488191	19.48	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	336332	18.99	ug/l	99
28) Bromochloromethane	7.19	49	221536	17.30	ug/l	98
29) Tetrahydrofuran	7.21	42	354250	96.63	ug/l	99
30) Chloroform	7.37	83	581852	18.92	ug/l	99
31) Cyclohexane	7.65	56	492637	18.58	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	504814	19.39	ug/l	98
36) 1,1-Dichloropropene	7.79	75	430648	19.92	ug/l	100
37) Ethyl Acetate	6.93	43	239845	19.02	ug/l	96
38) Carbon Tetrachloride	7.77	117	414736	19.72	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	460071	19.41	ug/l	99
40) Benzene	8.04	78	1285923	19.48	ug/l	99
41) Methacrylonitrile	7.18	41	128757	18.11	ug/l	93
42) 1,2-Dichloroethane	8.12	62	407012	19.32	ug/l	100
43) Isopropyl Acetate	8.17	43	497403	19.51	ug/l	98
44) Trichloroethene	8.83	130	374180	18.79	ug/l	98
45) 1,2-Dichloropropane	9.12	63	338536	19.85	ug/l	100
46) Dibromomethane	9.21	93	199434	19.32	ug/l	99
47) Bromodichloromethane	9.40	83	431631	19.65	ug/l	97
48) Methyl methacrylate	9.20	41	217999	19.45	ug/l	99
49) 1,4-Dioxane	9.20	88	61702	409.51	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1244660	100.66	ug/l	99
52) Toluene	10.16	92	784533	19.67	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	401081	19.07	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	480242	19.53	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	291174	19.60	ug/l	98
56) Ethyl methacrylate	10.43	69	343179	19.71	ug/l	99
57) 1,3-Dichloropropane	10.71	76	476634	19.79	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	742358	89.10	ug/l	99
59) 2-Hexanone	10.75	43	827195	101.16	ug/l	99
60) Dibromochloromethane	10.90	129	319485	19.90	ug/l	100
61) 1,2-Dibromoethane	11.01	107	273412	19.21	ug/l	99
64) Tetrachloroethene	10.63	164	421793	18.08	ug/l	100
65) Chlorobenzene	11.44	112	857698	19.08	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	317453	19.65	ug/l	99
67) Ethyl Benzene	11.51	91	1447703	19.48	ug/l	99
68) m/p-Xylenes	11.62	106	1150247	40.39	ug/l	98
69) o-Xylene	11.95	106	542871	19.91	ug/l	99
70) Styrene	11.97	104	884364	20.05	ug/l	100
71) Bromoform	12.13	173	209064	19.48	ug/l #	99
73) Isopropylbenzene	12.25	105	1447805	20.02	ug/l	99
74) N-amyl acetate	12.07	43	370826	18.77	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	318046	20.35	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	410199	28.17	ug/l #	100
77) Bromobenzene	12.53	156	372422	18.94	ug/l	98
78) n-propylbenzene	12.59	91	1670008	20.15	ug/l	100
79) 2-Chlorotoluene	12.68	91	1009857	19.25	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1241761	20.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	81021	18.90	ug/l	98
82) 4-Chlorotoluene	12.77	91	1012784	19.20	ug/l	99
83) tert-Butylbenzene	12.99	119	1031956	19.99	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1252349	20.28	ug/l	100
85) sec-Butylbenzene	13.17	105	1410493	20.62	ug/l	100
86) p-Isopropyltoluene	13.29	119	1222412	20.63	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	664132	19.60	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	655008	19.76	ug/l	100
89) n-Butylbenzene	13.62	91	988854	19.50	ug/l	100
90) Hexachloroethane	13.88	117	153861	24.72	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	659063	19.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51282	19.70	ug/l	98

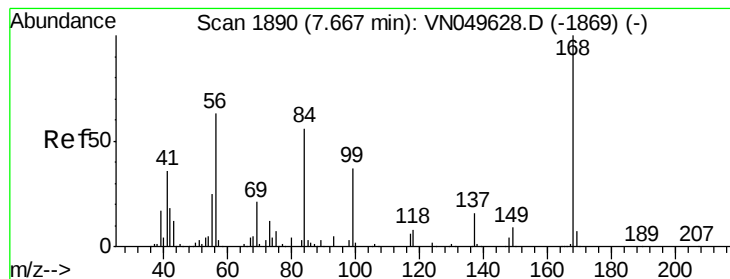
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	274539	18.03	ug/l	98
94) Hexachlorobutadiene	15.01	225	219625	21.50	ug/l	98
95) Naphthalene	15.14	128	540392	17.51	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	282255	18.83	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

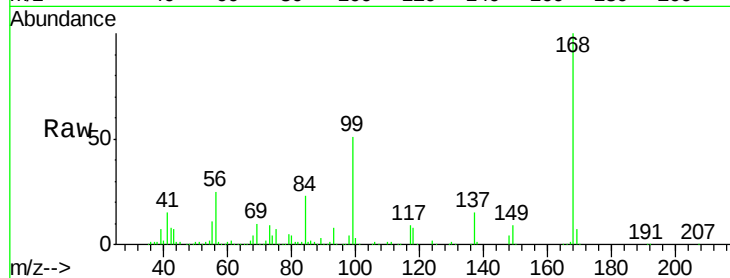
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1311990

Ion Ratio Lower Upper

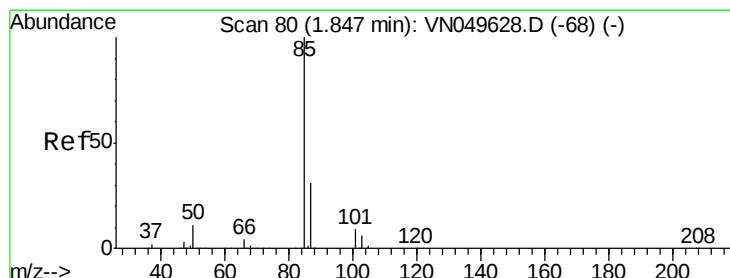
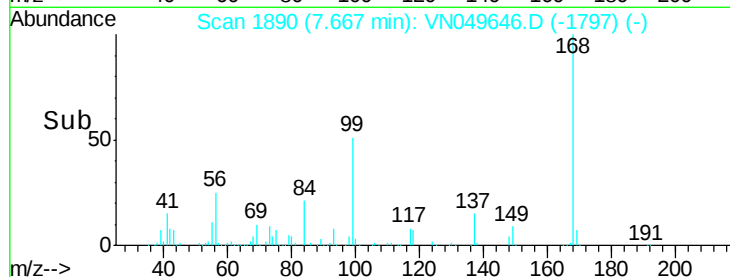
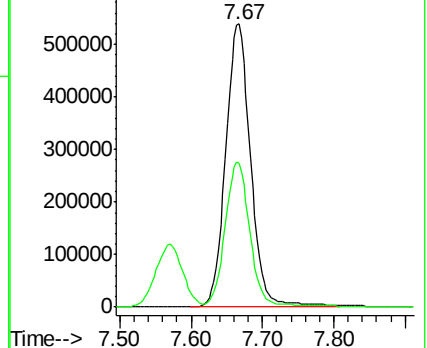
168 100

99 50.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.92 ug/l

RT: 1.85 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN049646.D

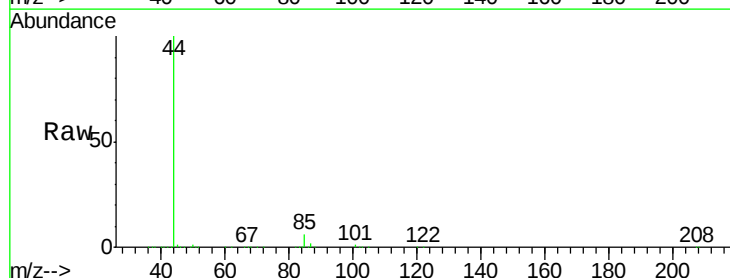
Acq: 30 Jun 2018 14:26

Tgt Ion: 85 Resp: 294572

Ion Ratio Lower Upper

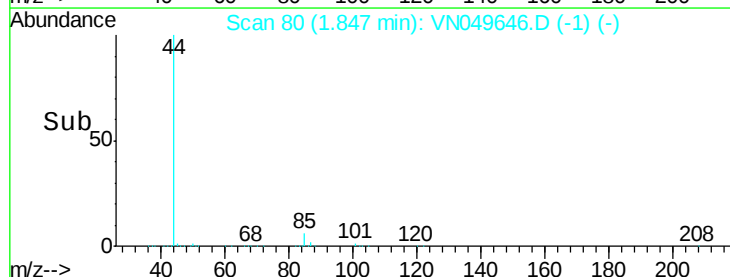
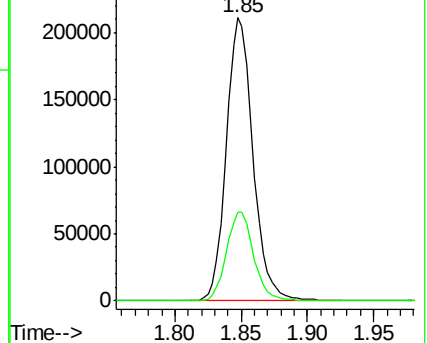
85 100

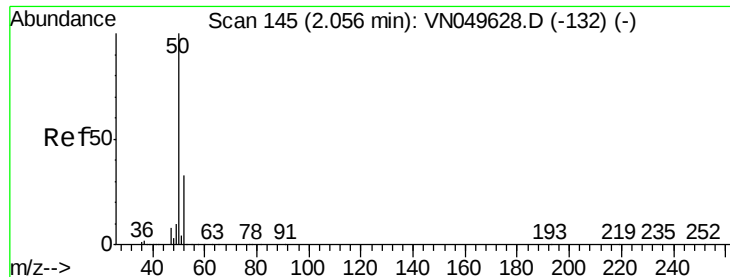
87 31.4 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.10 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

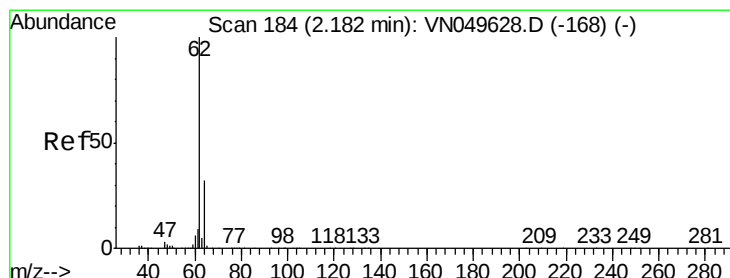
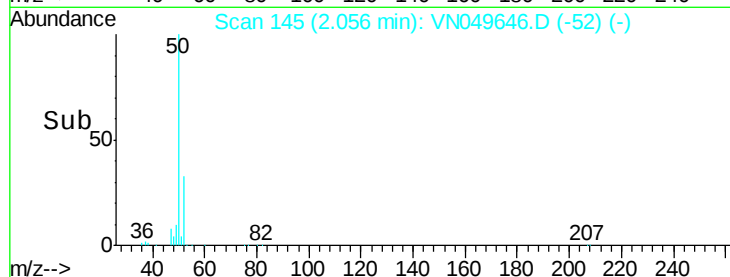
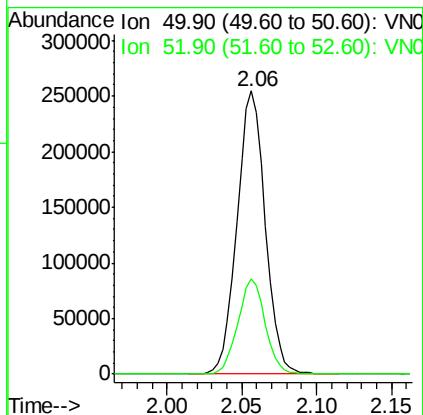
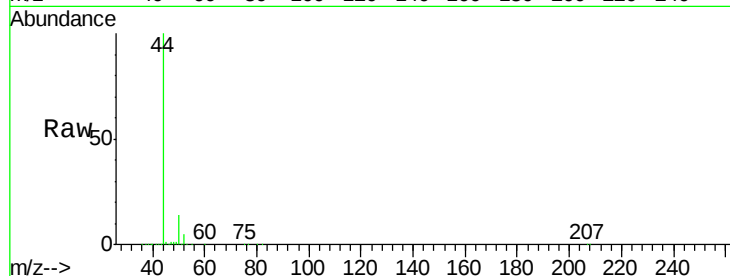
ClientSampleId :

Tot Ion: 50 Resp: 334299

Ion Ratio Lower Upper

50 100

52 33.4 26.1 39.1



#4

Vinyl Chloride

Concen: 18.77 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049646.D

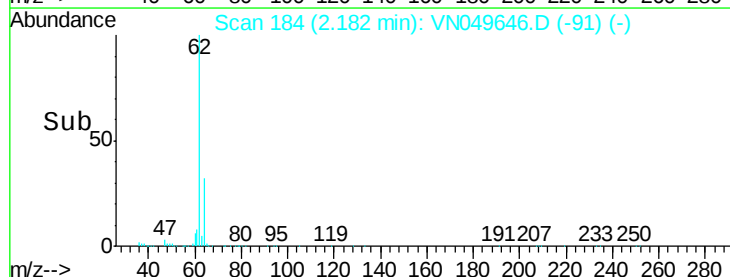
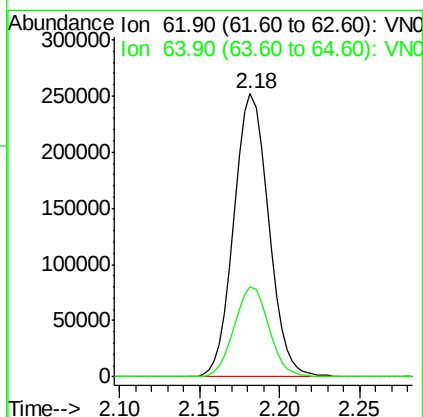
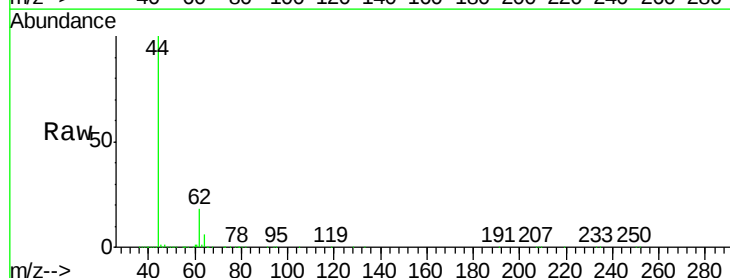
Acq: 30 Jun 2018 14:26

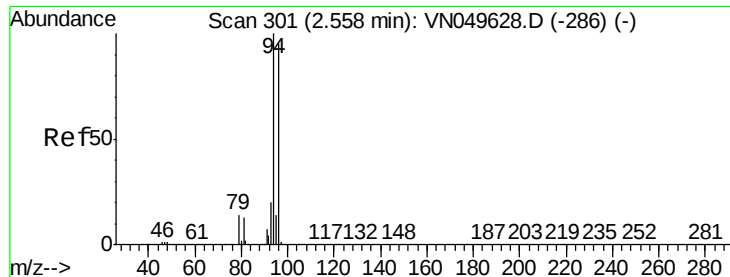
Tgt Ion: 62 Resp: 372199

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 18.52 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

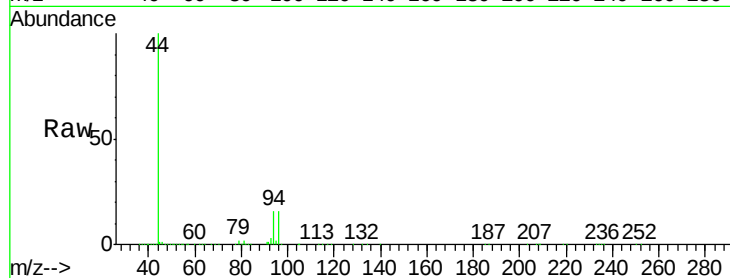
ClientSampled :

Tot Ion: 94 Resp: 192922

Ion Ratio Lower Upper

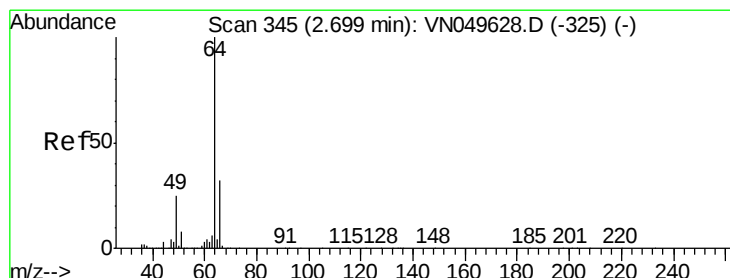
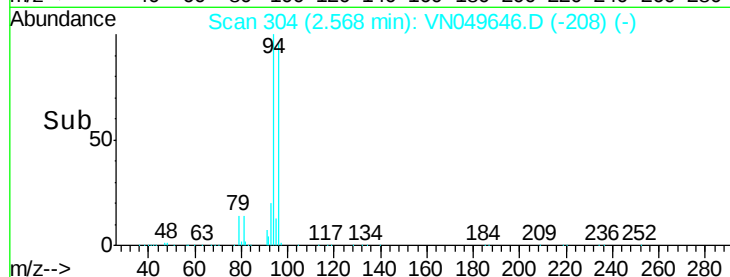
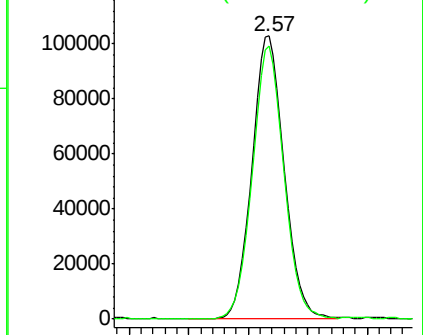
94 100

96 95.9 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.42 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049646.D

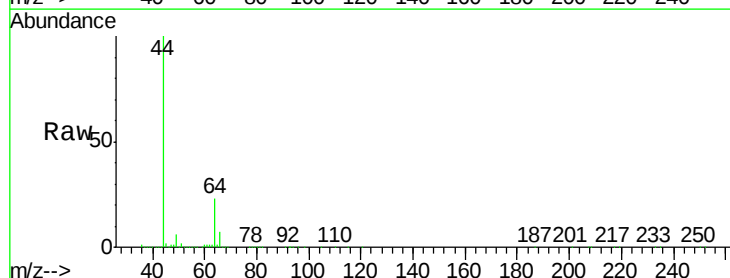
Acq: 30 Jun 2018 14:26

Tgt Ion: 64 Resp: 231208

Ion Ratio Lower Upper

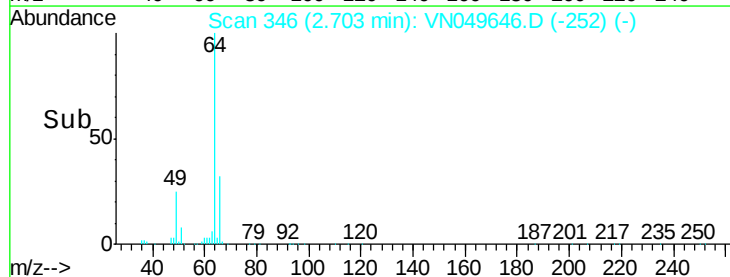
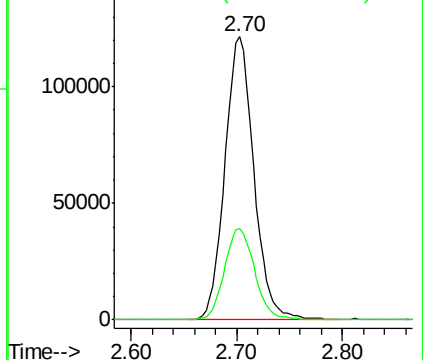
64 100

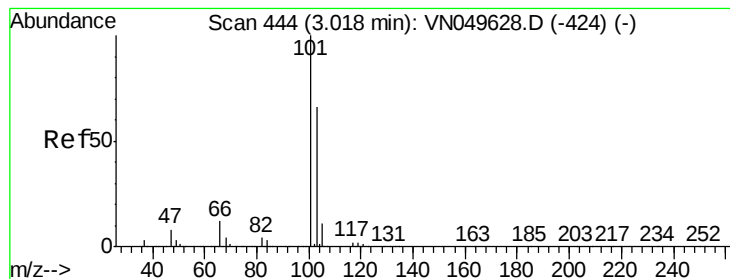
66 32.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



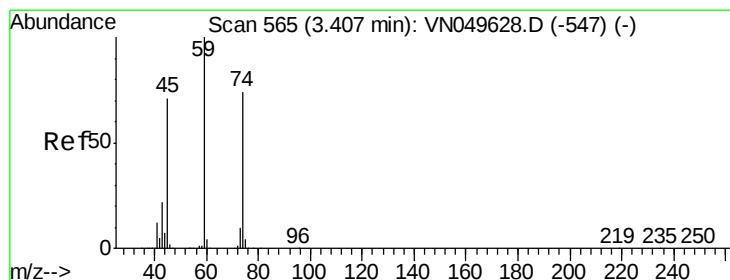
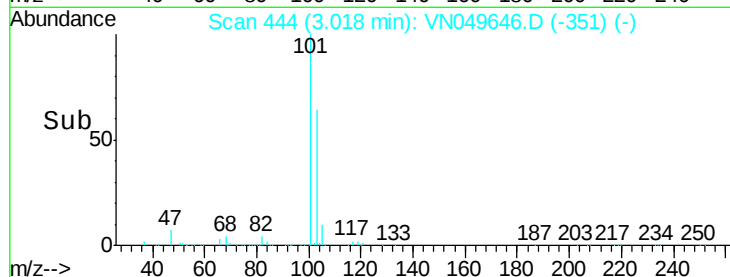
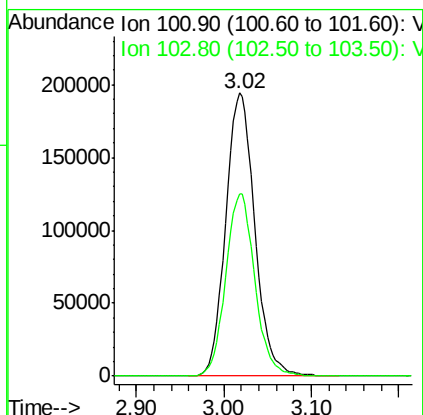
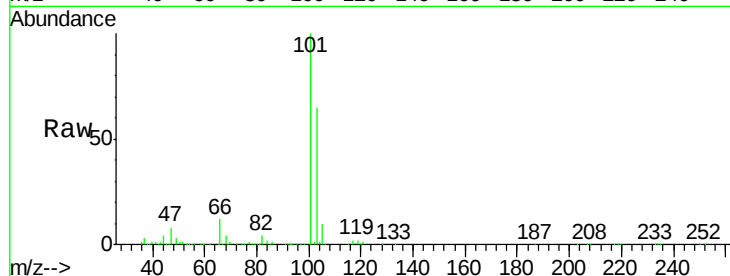


#7

Trichlorofluoromethane
Concen: 19.81 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampled :

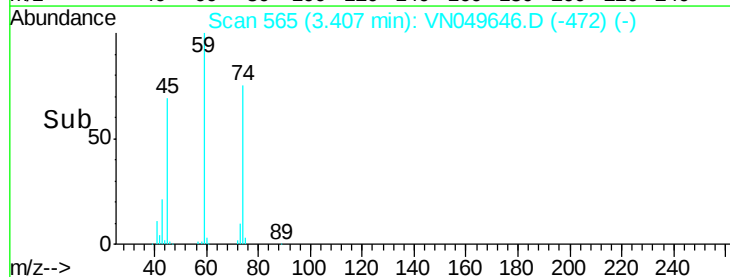
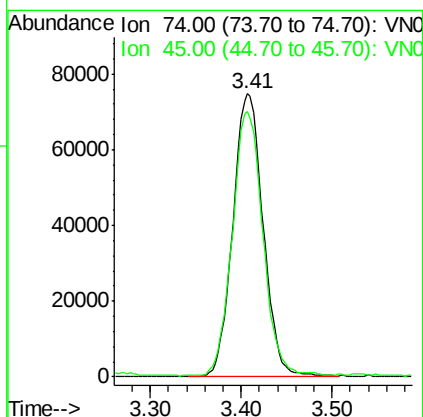
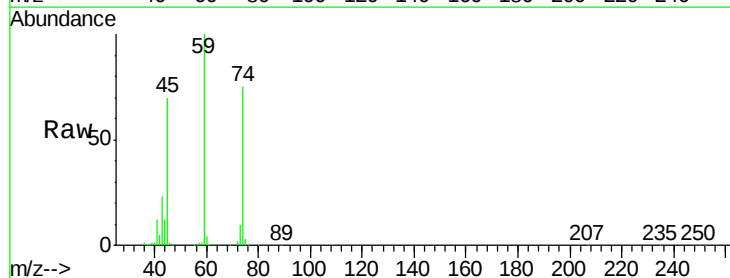
Tot Ion:101 Resp: 448696
Ion Ratio Lower Upper
101 100
103 64.4 52.8 79.2

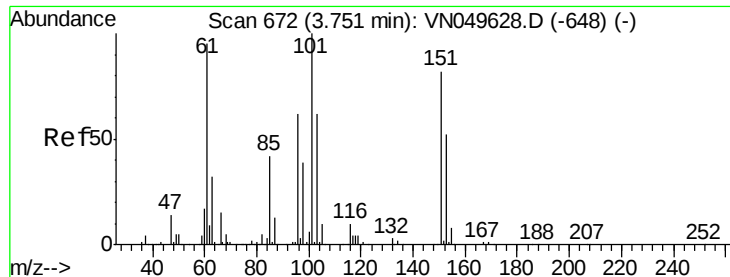


#8

Diethyl Ether
Concen: 18.84 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion: 74 Resp: 173002
Ion Ratio Lower Upper
74 100
45 94.1 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.43 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

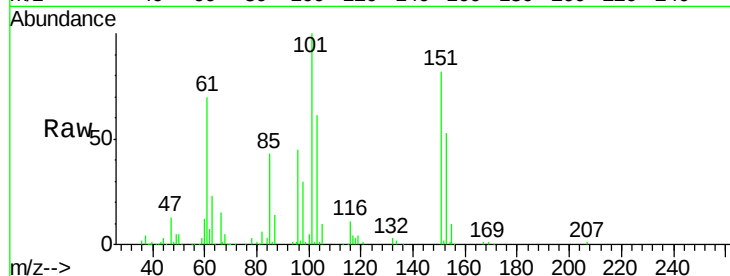
Tot Ion:101 Resp: 316754

Ion Ratio Lower Upper

101 100

85 42.9 34.4 51.6

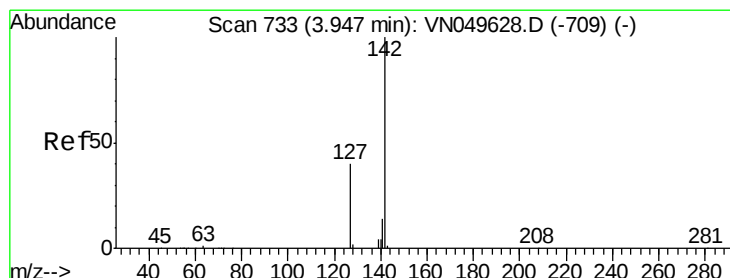
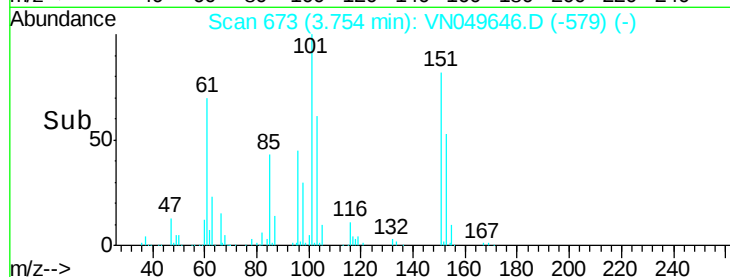
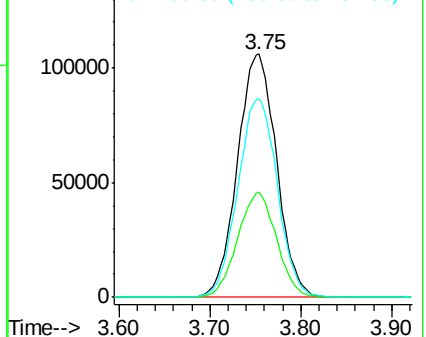
151 82.6 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.53 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

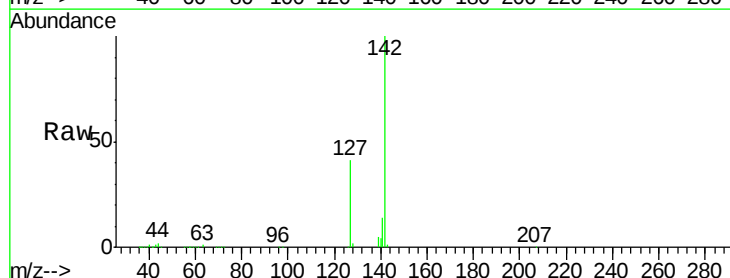
Tgt Ion:142 Resp: 418801

Ion Ratio Lower Upper

142 100

127 41.6 32.5 48.7

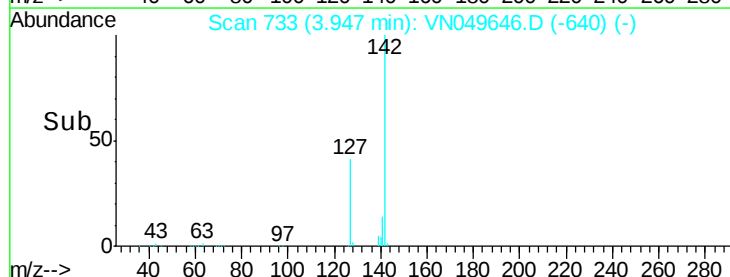
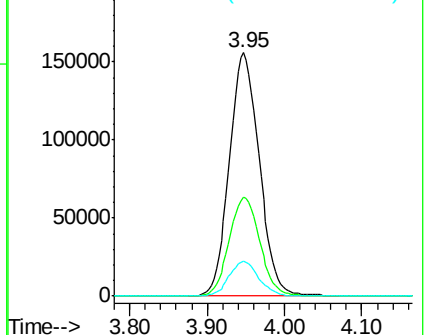
141 14.2 11.1 16.7

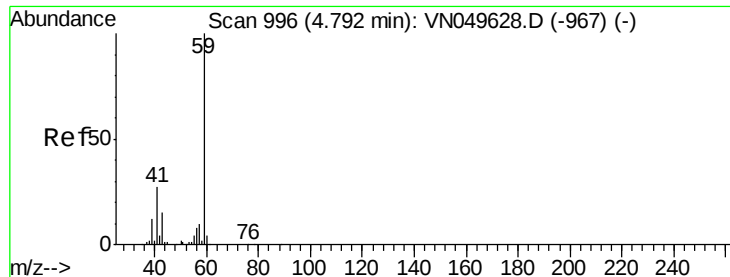


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



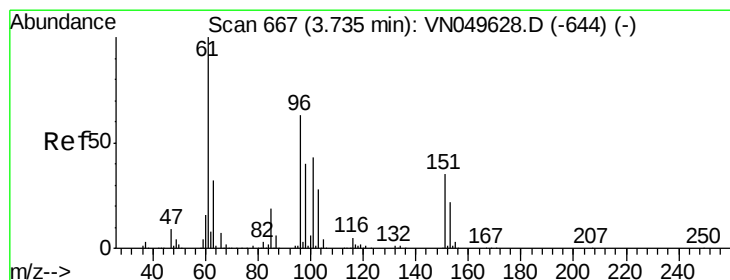
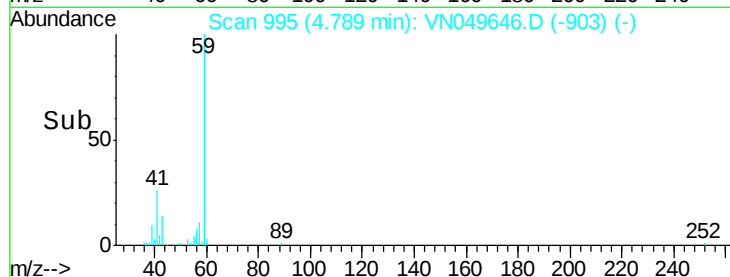
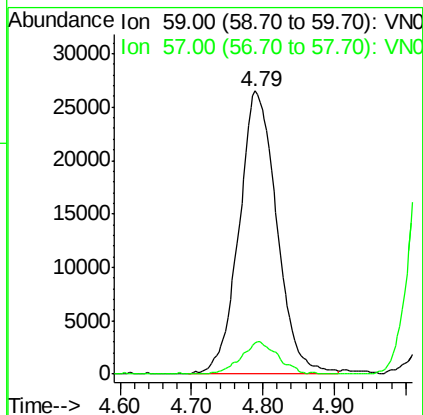
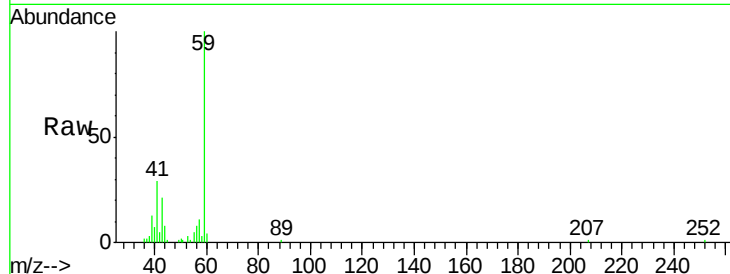


#11

Tert butyl alcohol
 Concen: 98.08 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Instrument :
 MSVOA_N
 ClientSampled :

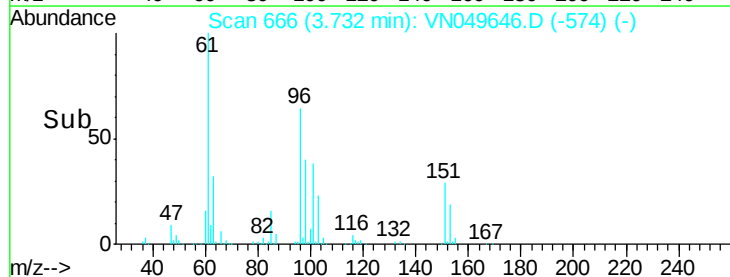
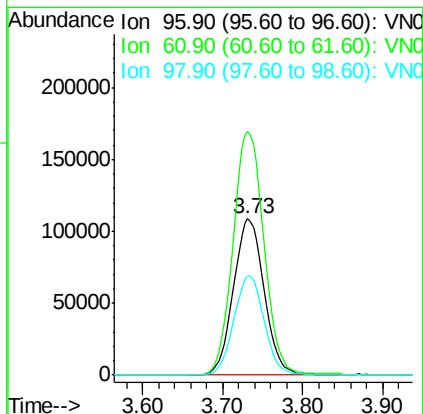
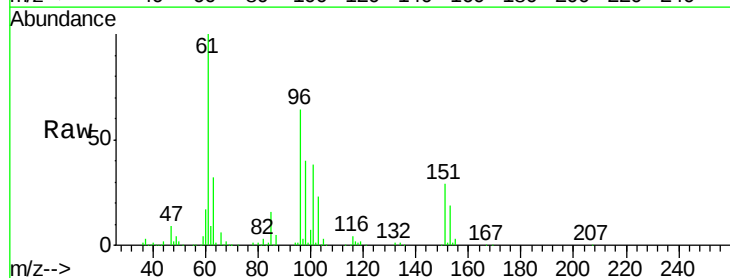
Tot Ion: 59 Resp: 97517
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.5 12.7

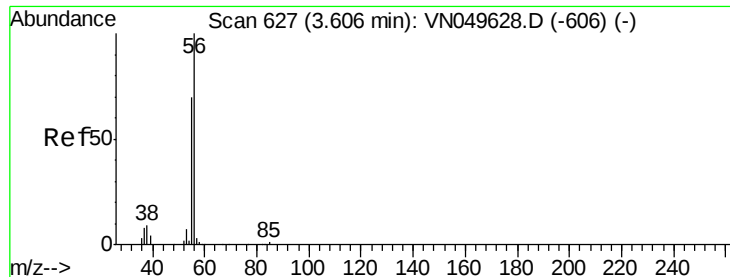


#12

1,1-Dichloroethene
 Concen: 18.29 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Tgt Ion: 96 Resp: 281890
 Ion Ratio Lower Upper
 96 100
 61 155.8 126.5 189.7
 98 63.0 51.0 76.6





#13

Acrolein

Concen: 104.21 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

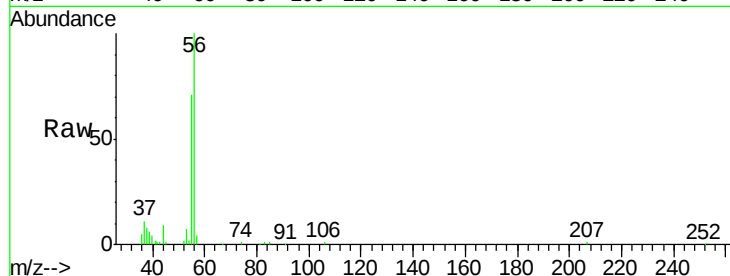
ClientSampled :

Tot Ion: 56 Resp: 96778

Ion Ratio Lower Upper

56 100

55 71.8 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VN049628.D (-606) (-)

Ion 55.00 (54.70 to 55.70): VN049628.D (-606) (-)

3.61

40000

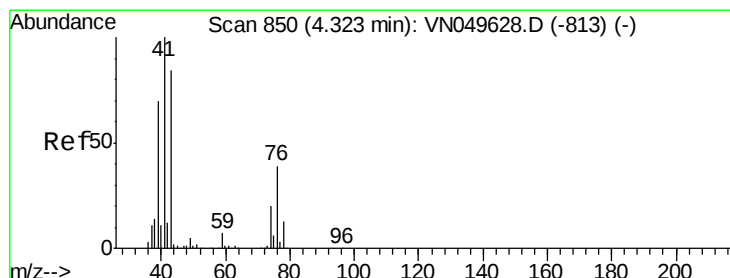
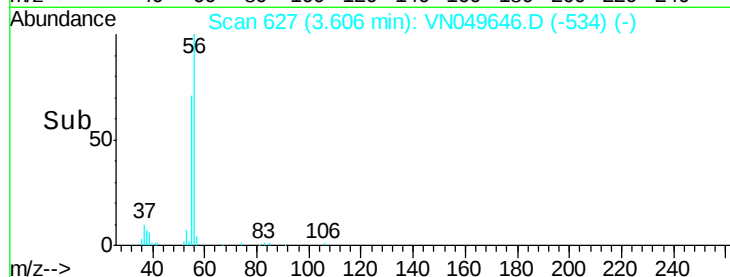
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 20.89 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

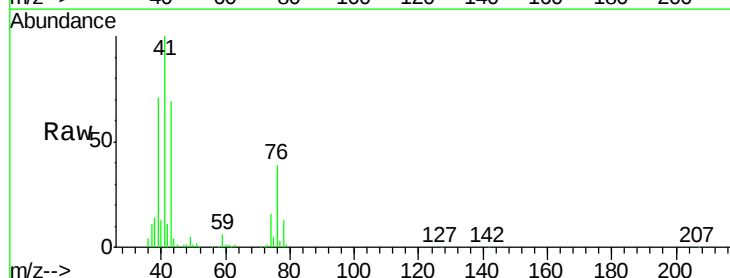
Tgt Ion: 41 Resp: 442095

Ion Ratio Lower Upper

41 100

39 67.2 53.2 79.8

76 36.7 29.0 43.6



Abundance Ion 41.00 (40.70 to 41.70): VN049628.D (-813) (-)

Ion 39.00 (38.70 to 39.70): VN049628.D (-813) (-)

Ion 75.90 (75.60 to 76.60): VN049628.D (-813) (-)

4.32

200000

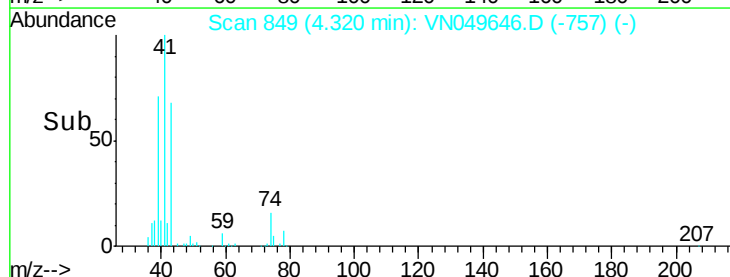
150000

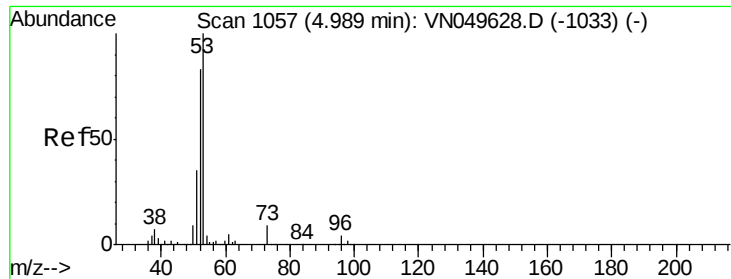
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 95.49 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

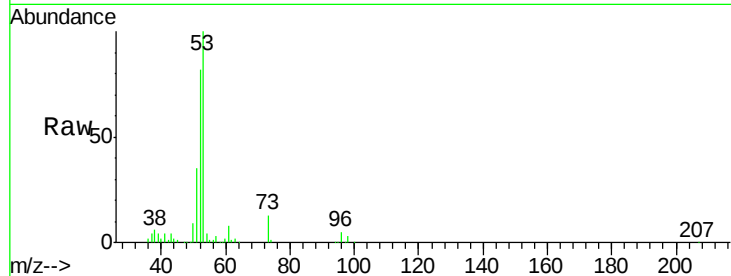
Tot Ion: 53 Resp: 490359

Ion Ratio Lower Upper

53 100

52 83.0 64.8 97.2

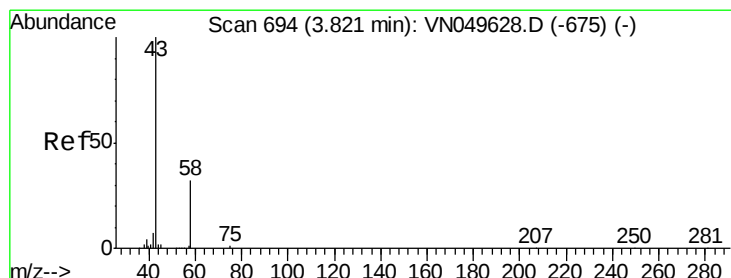
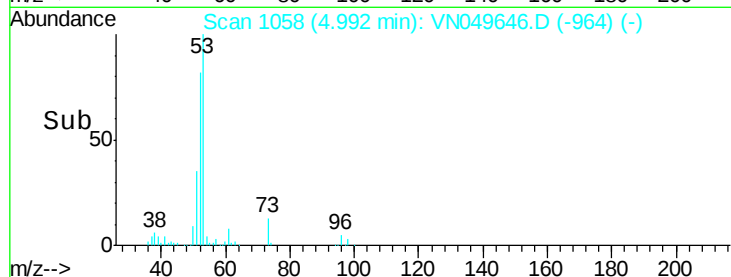
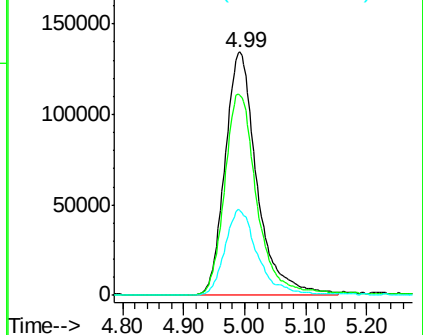
51 36.1 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049628.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN049628.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN049628.D (-1033) (-)



#16

Acetone

Concen: 98.83 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049646.D

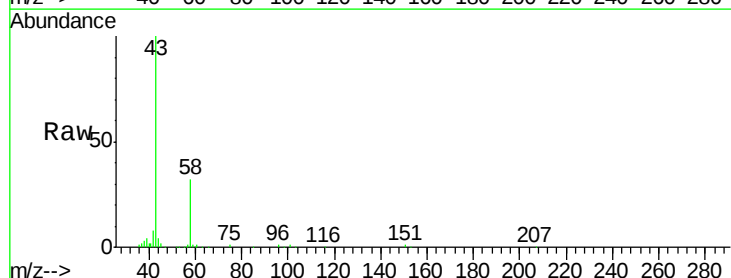
Acq: 30 Jun 2018 14:26

Tgt Ion: 43 Resp: 360678

Ion Ratio Lower Upper

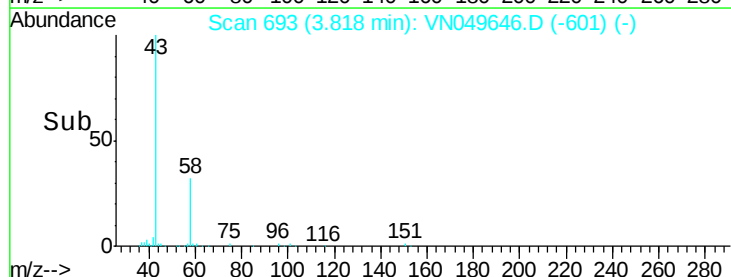
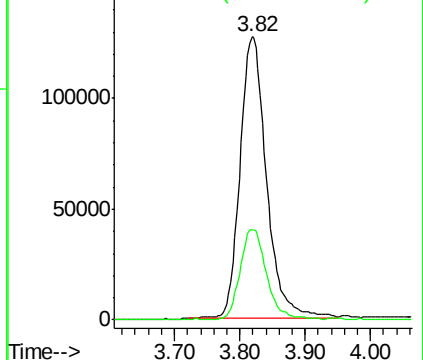
43 100

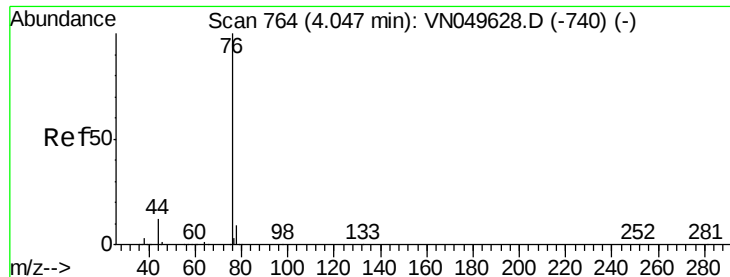
58 31.7 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-675) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-675) (-)





#17

Carbon Disulfide

Concen: 17.68 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

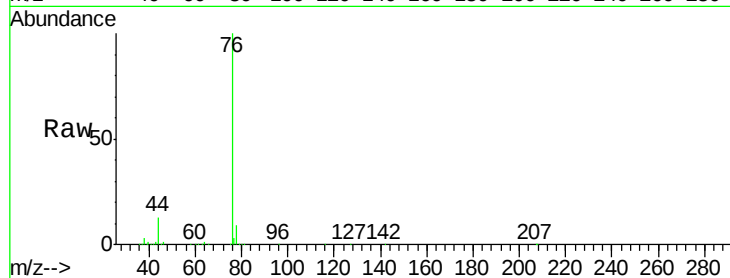
ClientSampleId :

Tot Ion: 76 Resp: 759532

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)

4.05

250000

200000

150000

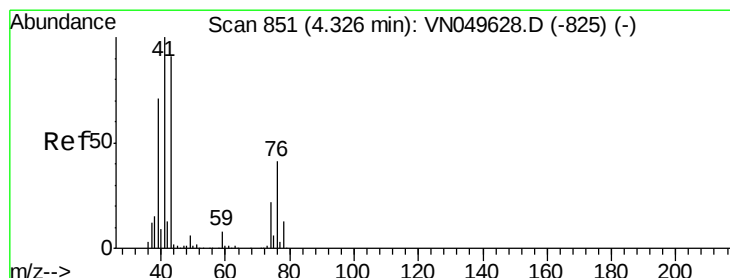
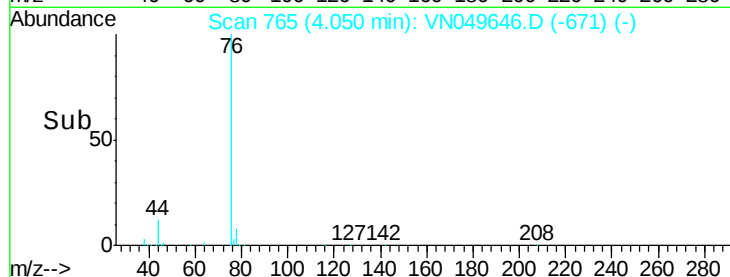
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 16.79 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049646.D

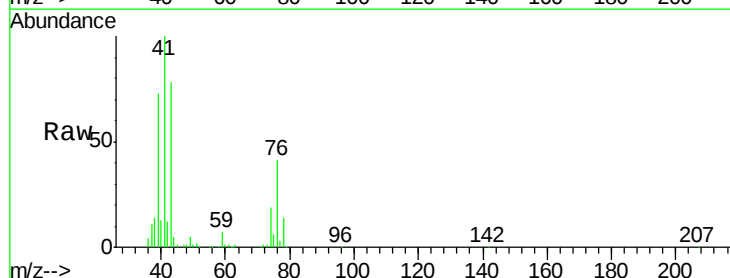
Acq: 30 Jun 2018 14:26

Tgt Ion: 43 Resp: 313312

Ion Ratio Lower Upper

43 100

74 24.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-825) (-)

Ion 74.00 (73.70 to 74.70): VN049628.D (-825) (-)

4.33

120000

100000

80000

60000

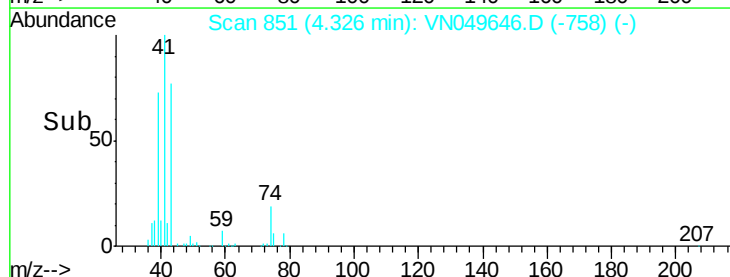
40000

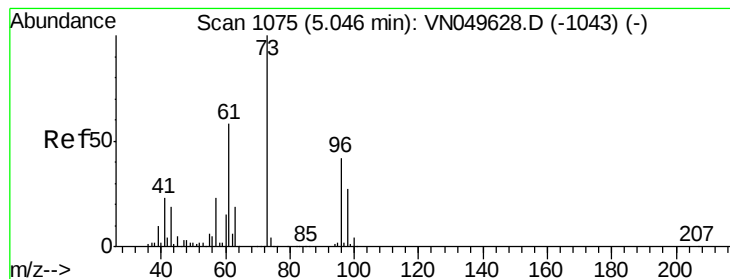
20000

0

4.20 4.30 4.40 4.50

Time-->





#19

Methyl tert-butyl Ether

Concen: 19.42 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

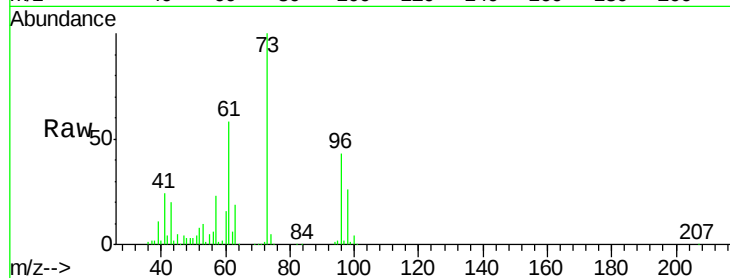
ClientSampled :

Tot Ion: 73 Resp: 771425

Ion Ratio Lower Upper

73 100

57 22.7 18.1 27.1



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.04

200000

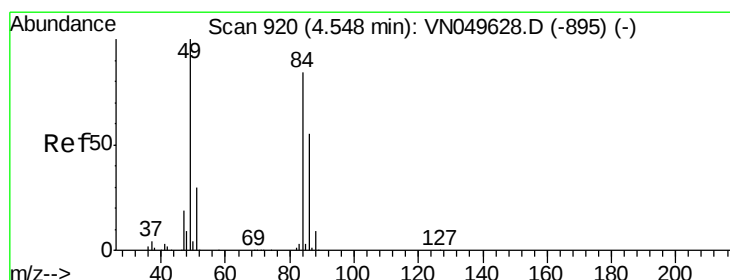
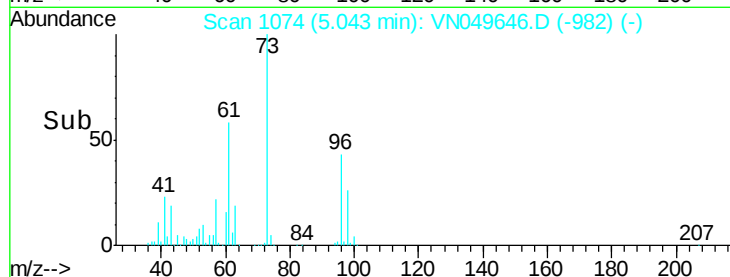
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 18.55 ug/l

RT: 4.54 min Scan# 919

Delta R.T. -0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Tgt Ion: 84 Resp: 331030

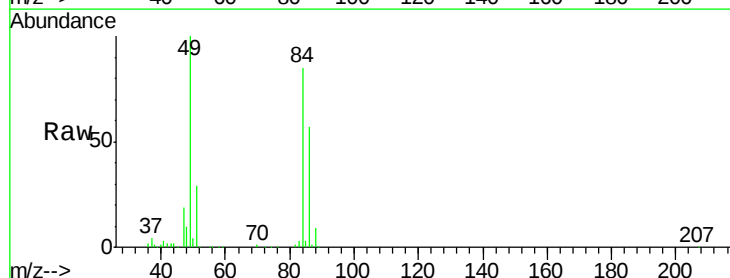
Ion Ratio Lower Upper

84 100

49 118.0 95.4 143.2

51 34.4 28.4 42.6

86 67.0 52.6 79.0



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

200000

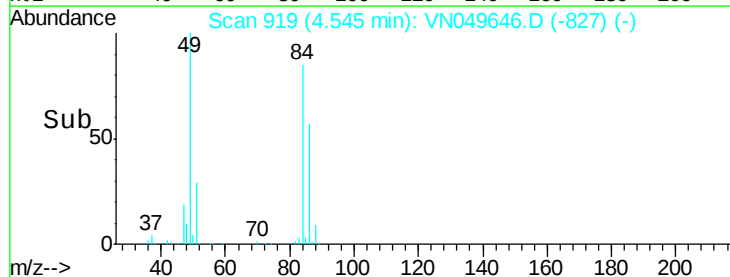
150000

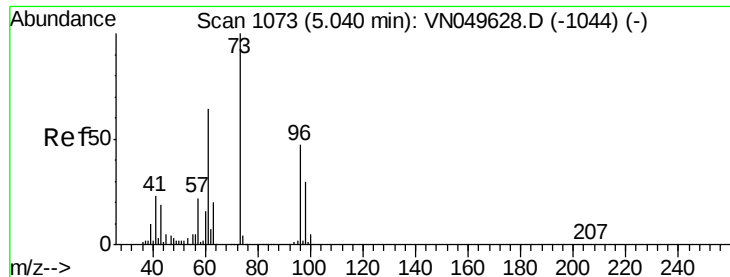
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 18.38 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :

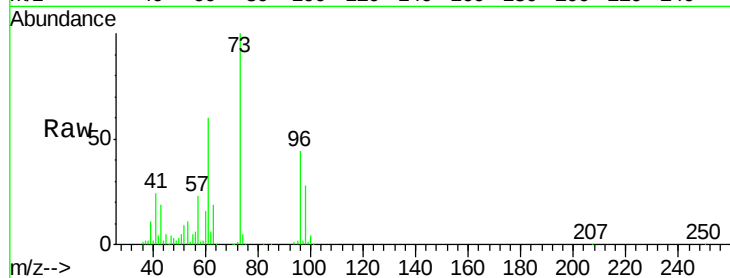
Tot Ion: 96 Resp: 291571

Ion Ratio Lower Upper

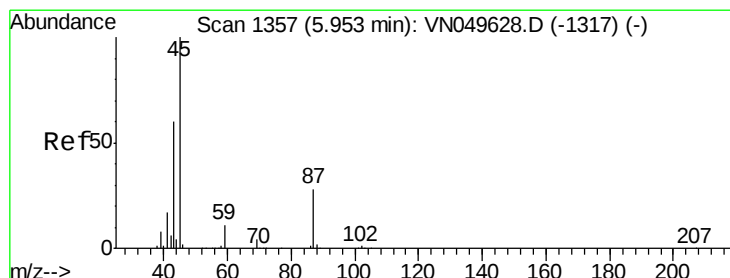
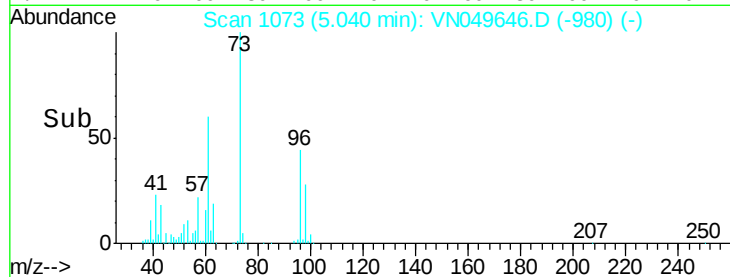
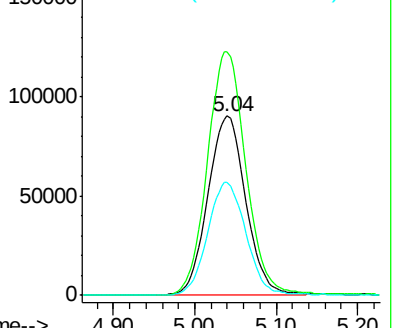
96 100

61 135.7 109.0 163.6

98 62.8 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: 19.58 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Tgt Ion: 45 Resp: 937860

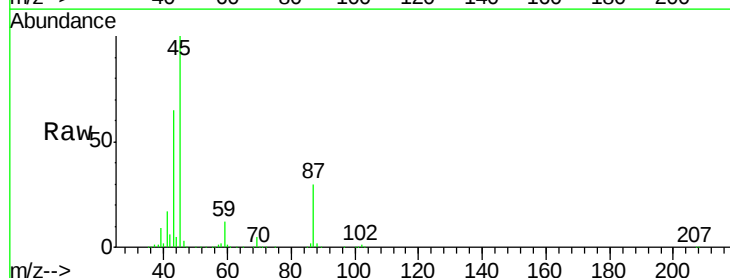
Ion Ratio Lower Upper

45 100

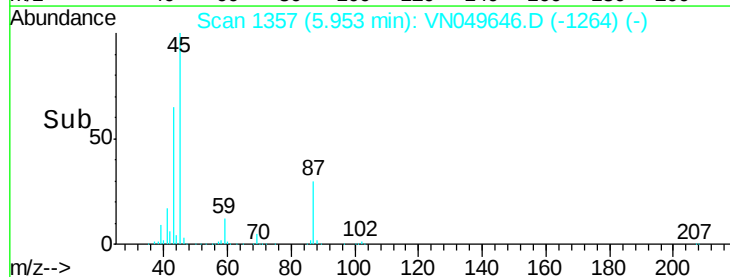
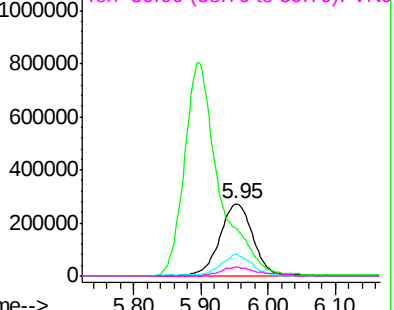
43 64.1 48.1 72.1

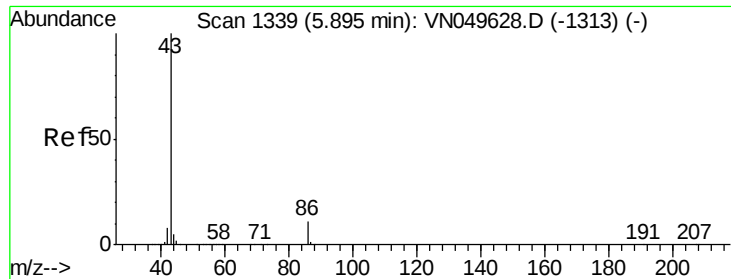
87 29.6 22.6 34.0

59 12.0 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

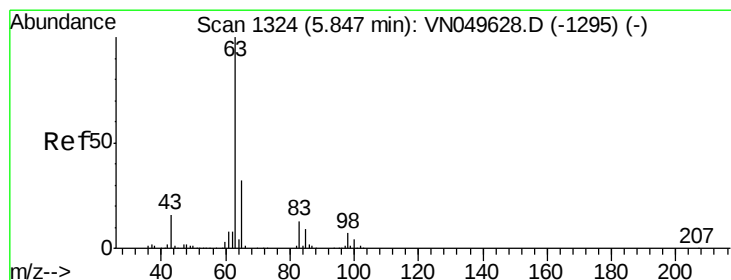
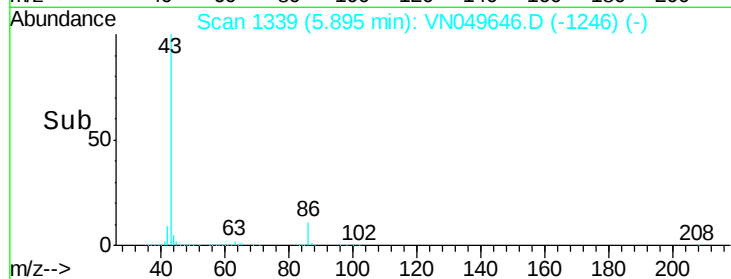
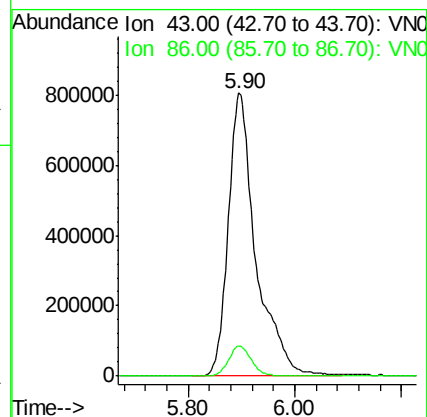
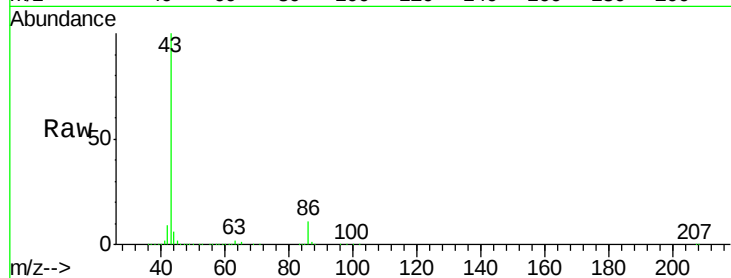




#23
 Vinyl Acetate
 Concen: 93.36 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

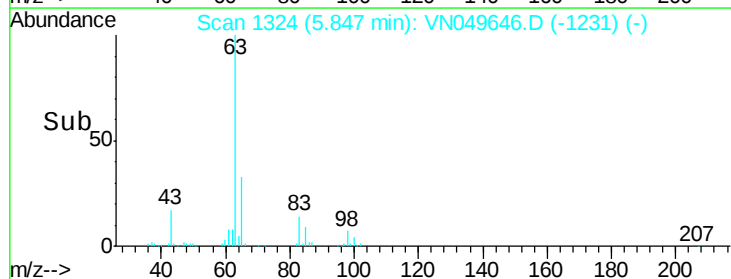
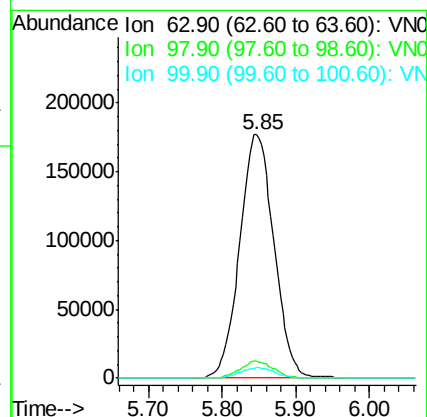
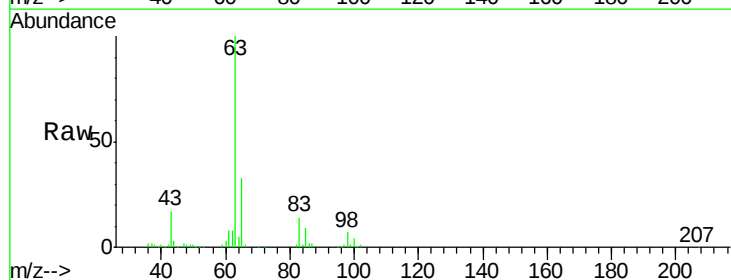
Instrument :
 MSVOA_N
 ClientSampleId :

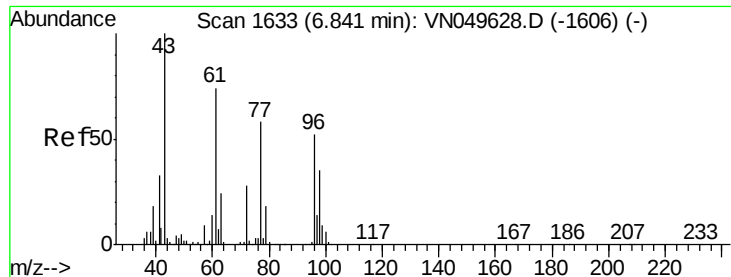
Tot Ion: 43 Resp: 2899342
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 18.99 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Tgt Ion: 63 Resp: 573039
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.4 10.2
 100 4.1 2.2 6.6





#25

2-Butanone

Concen: 95.00 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

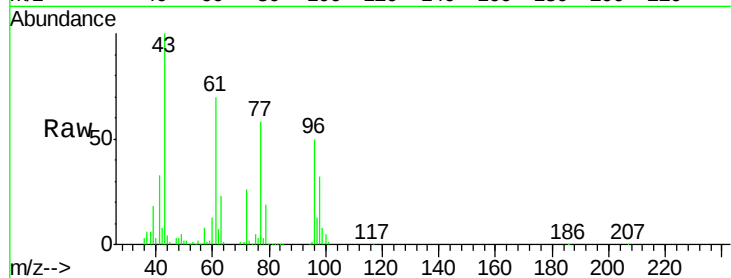
ClientSampled :

Tot Ion: 43 Resp: 546447

Ion Ratio Lower Upper

43 100

72 26.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

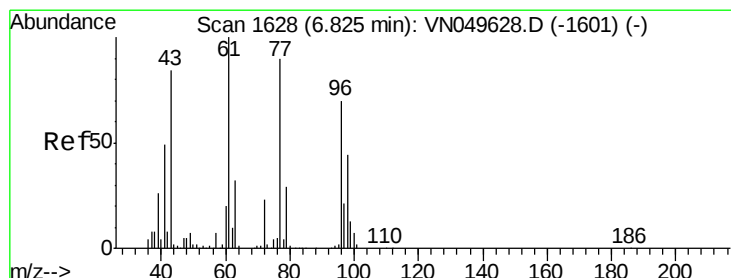
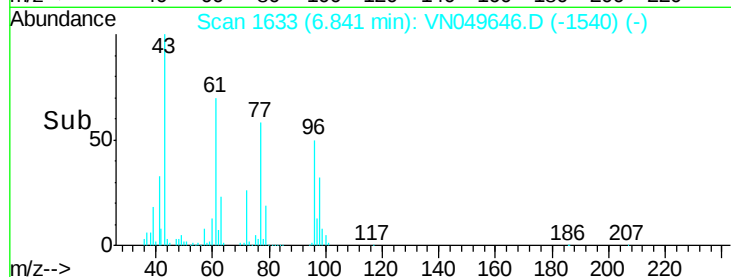
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 19.48 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN049646.D

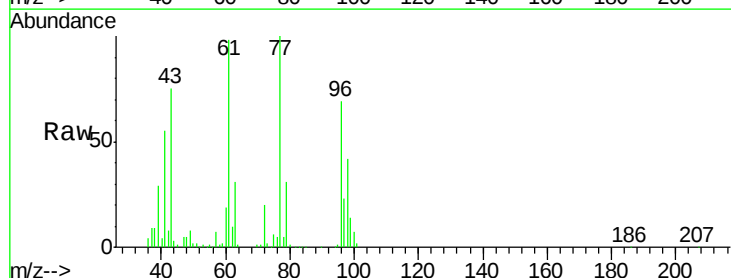
Acq: 30 Jun 2018 14:26

Tgt Ion: 77 Resp: 488191

Ion Ratio Lower Upper

77 100

97 22.8 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

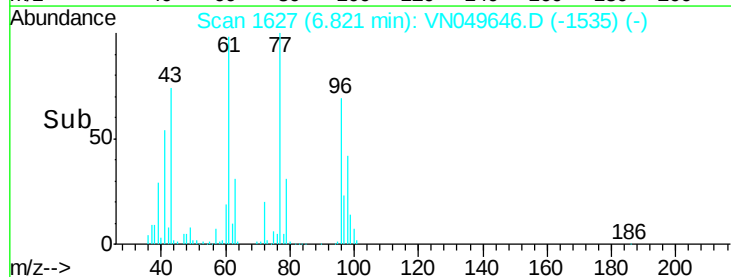
150000

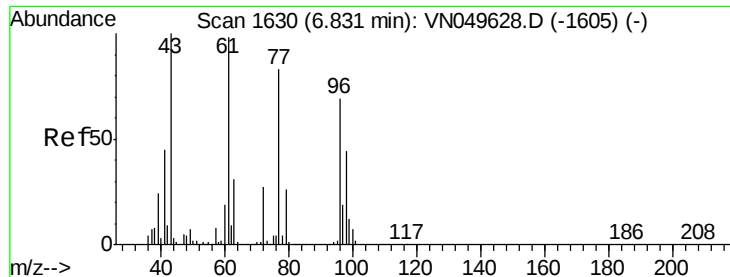
100000

50000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 18.99 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

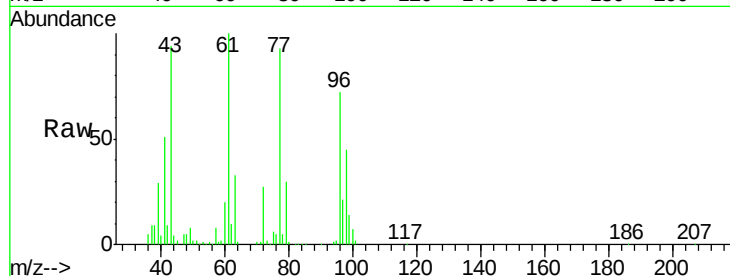
Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 336332

Ion	Ratio	Lower	Upper
96	100		
61	143.4	0.0	289.0
98	63.7	0.0	130.2

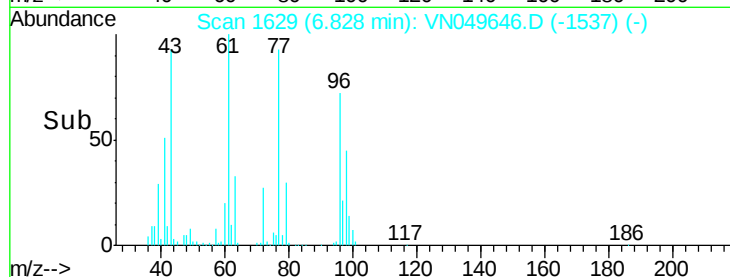
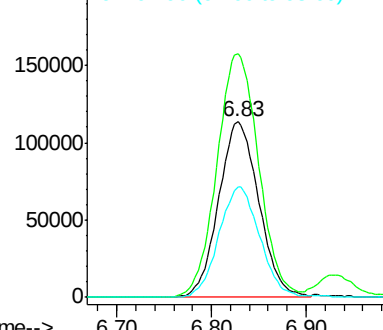


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 17.30 ug/l

RT: 7.19 min Scan# 1743

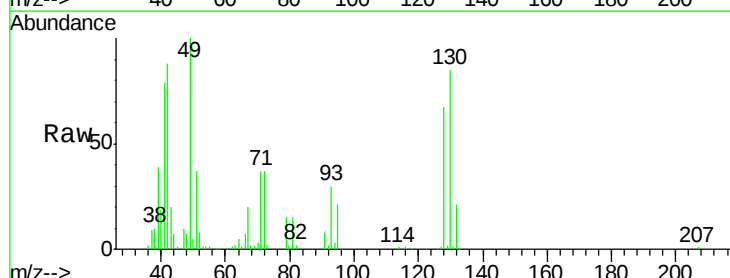
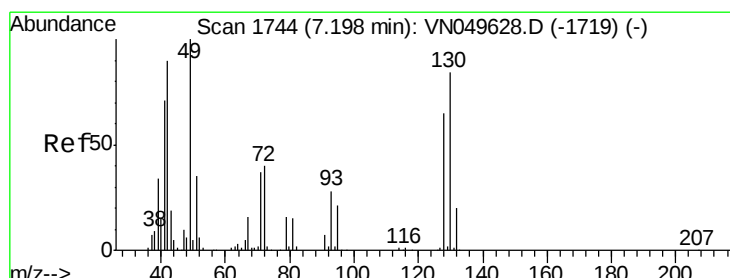
Delta R.T. -0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Tgt Ion: 49 Resp: 221536

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.0	65.5	98.3

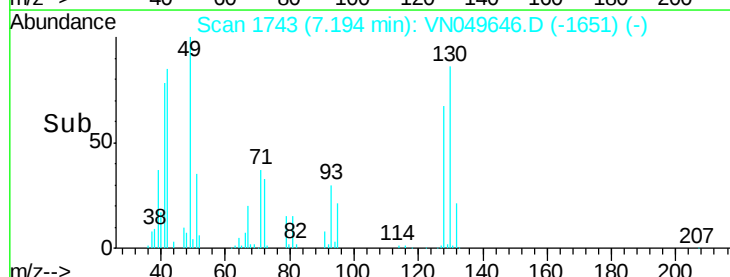
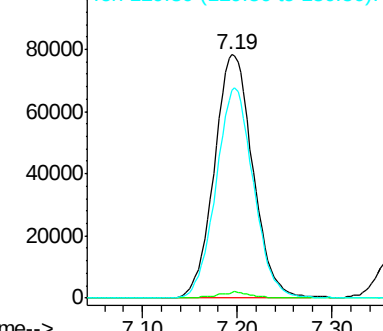


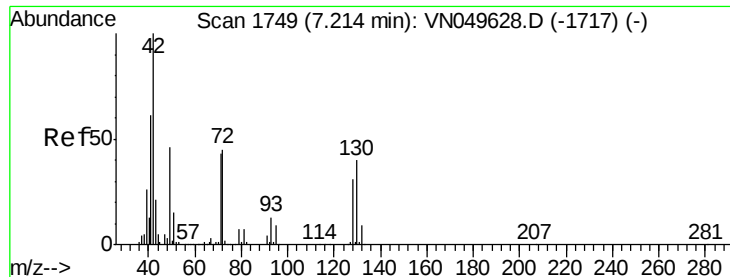
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 96.63 ug/l

RT: 7.21 min Scan# 1749

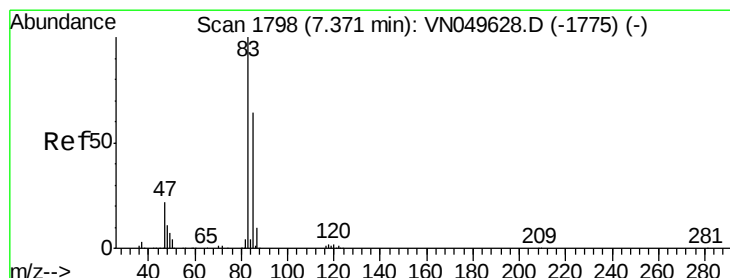
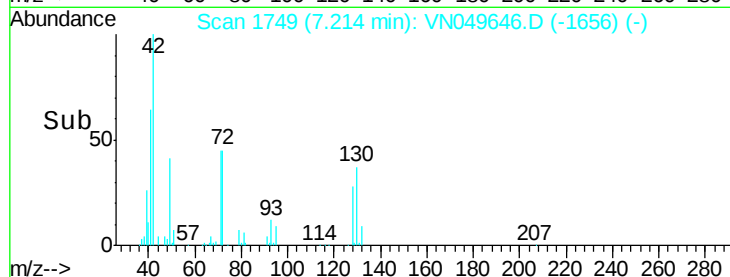
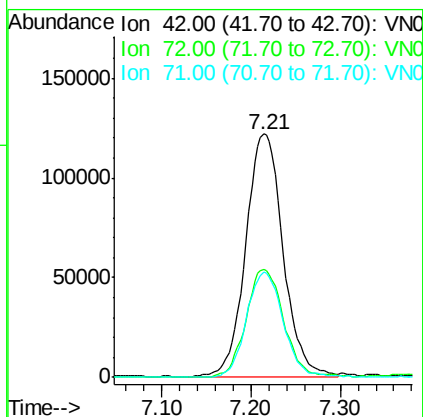
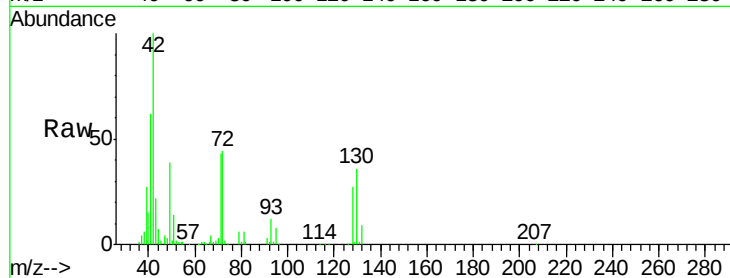
Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	42	Resp:	354250
Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.6	53.4
71	42.6	34.0	51.0



#30

Chloroform

Concen: 18.92 ug/l

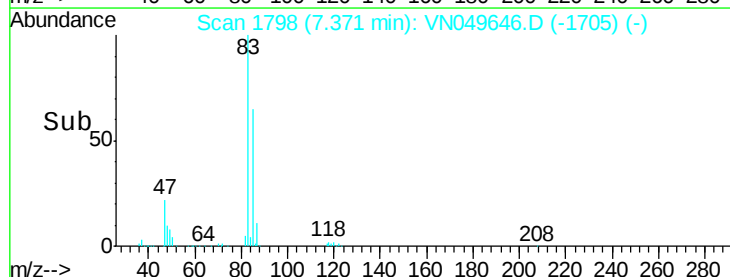
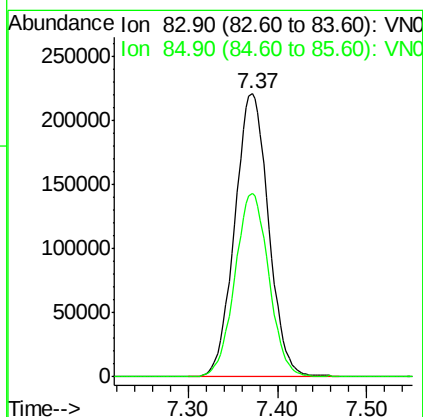
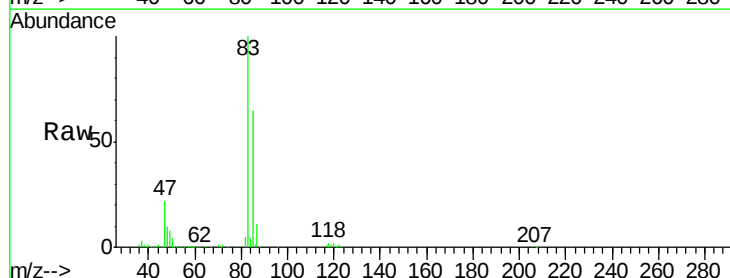
RT: 7.37 min Scan# 1798

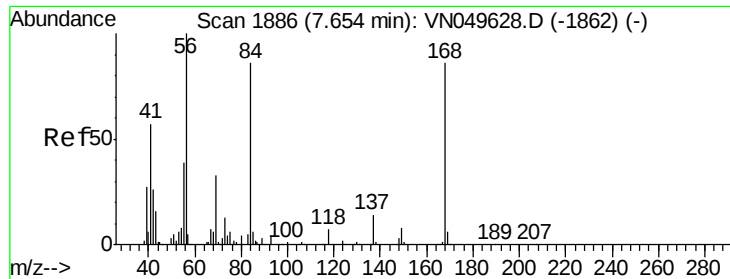
Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Tgt Ion:	83	Resp:	581852
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2

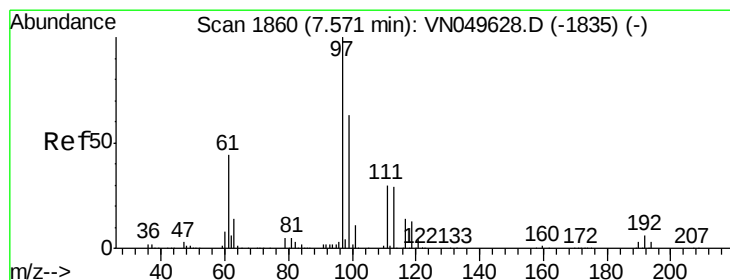
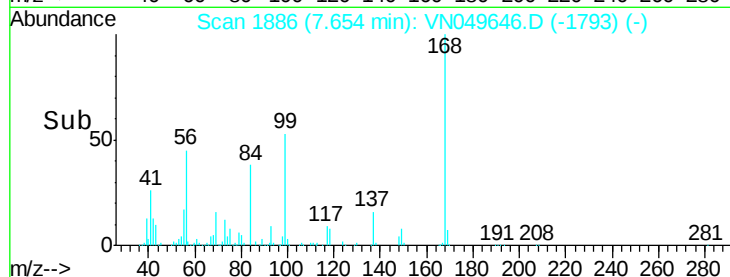
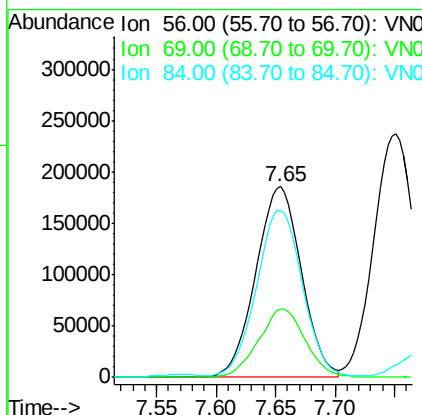
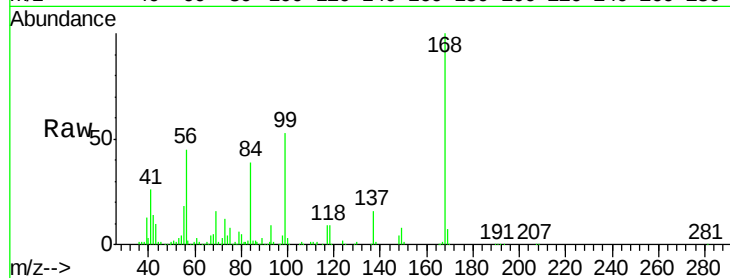




#31
Cyclohexane
Concen: 18.58 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

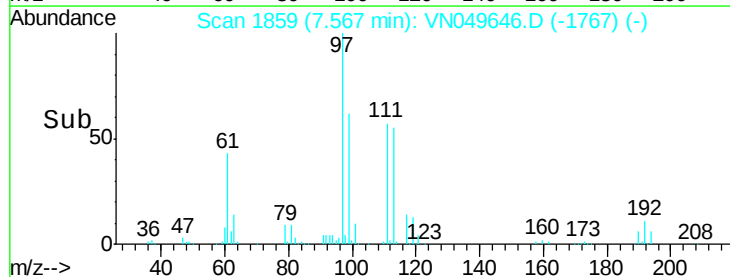
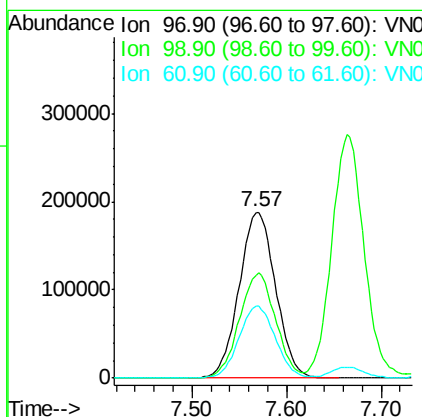
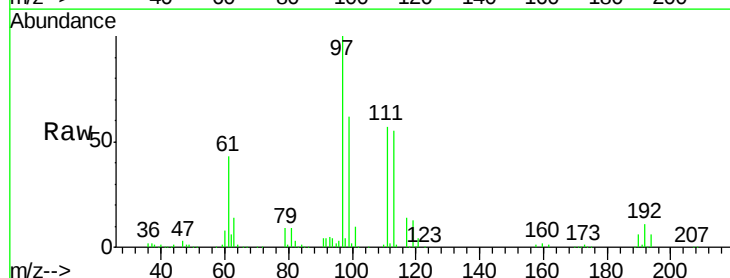
Instrument :
MSVOA_N
ClientSampled :

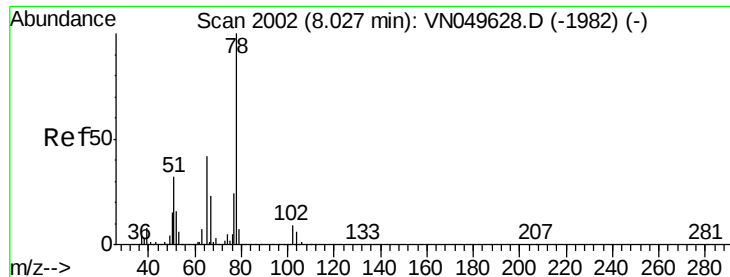
Tot Ion: 56 Resp: 492637
Ion Ratio Lower Upper
56 100
69 36.1 26.6 40.0
84 86.2 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 19.39 ug/l
RT: 7.57 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion: 97 Resp: 504814
Ion Ratio Lower Upper
97 100
99 62.5 51.0 76.4
61 43.3 35.5 53.3

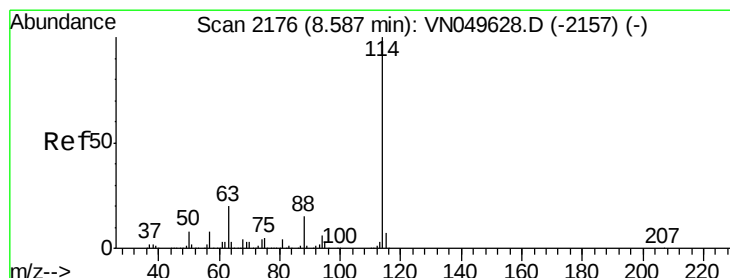
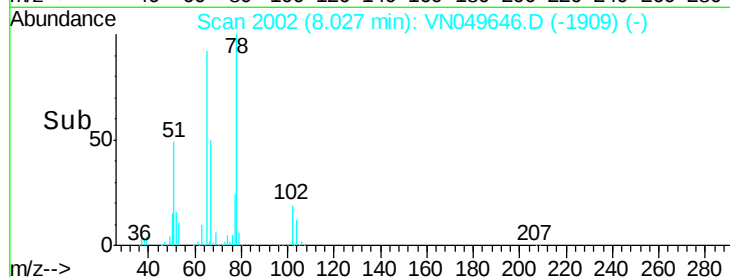
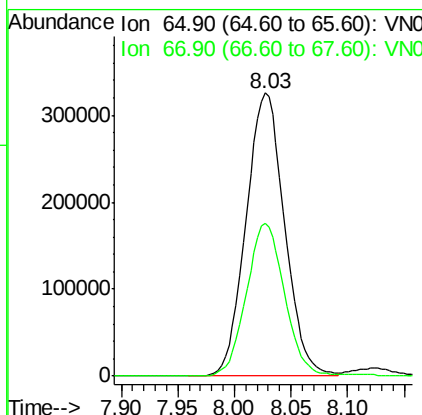
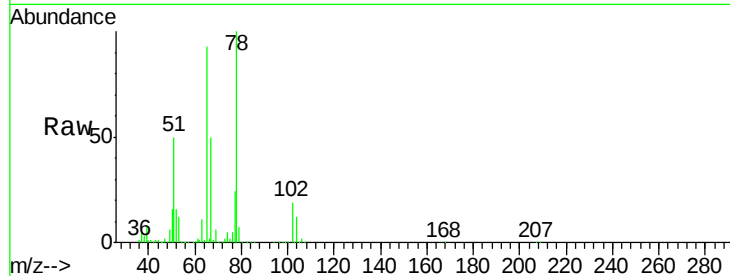




#33
 1,2-Dichloroethane-d4
 Concen: 44.63 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

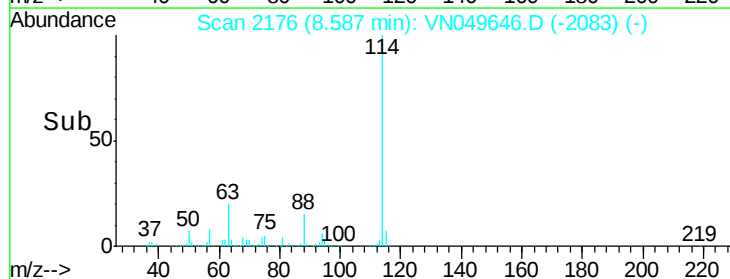
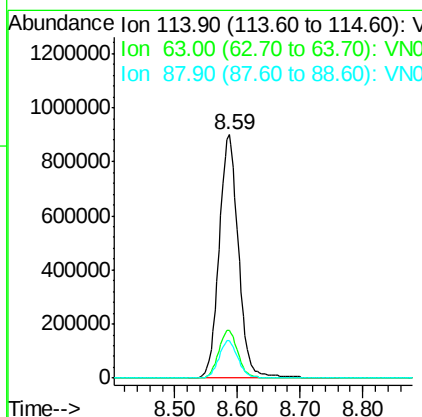
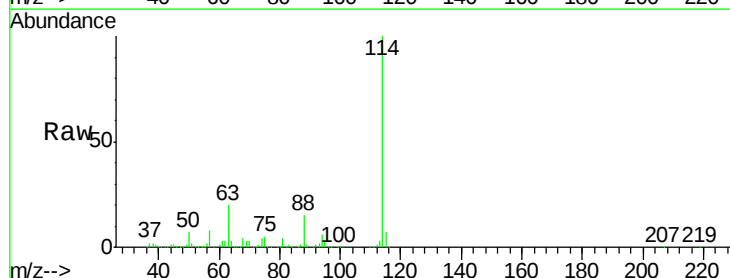
Instrument :
 MSVOA_N
 ClientSampleId :

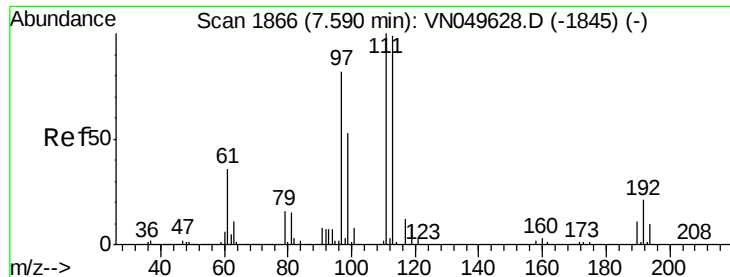
Tot Ion: 65 Resp: 773341
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Tgt Ion: 114 Resp: 1921964
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.3 0.0 30.6

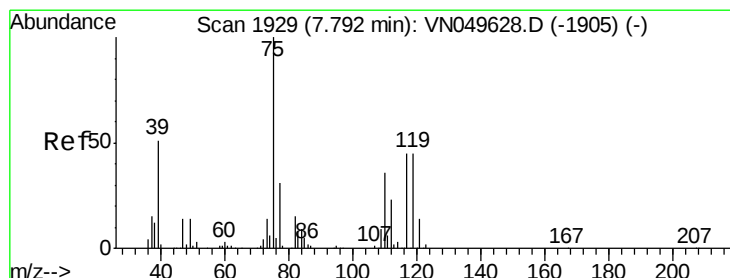
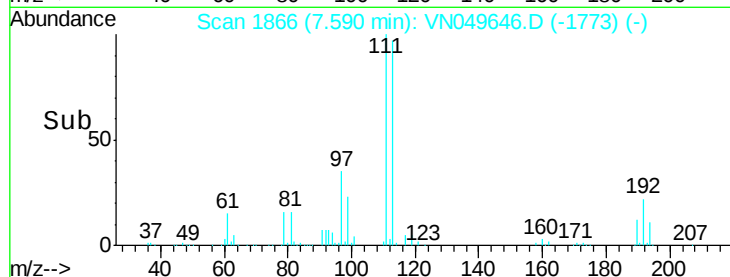
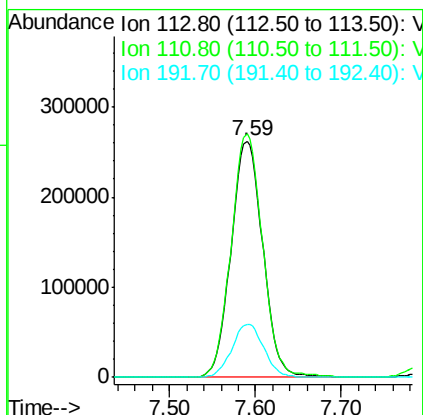
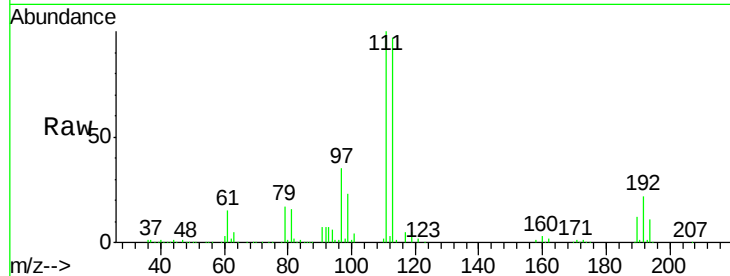




#35
 Dibromofluoromethane
 Concen: 46.79 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

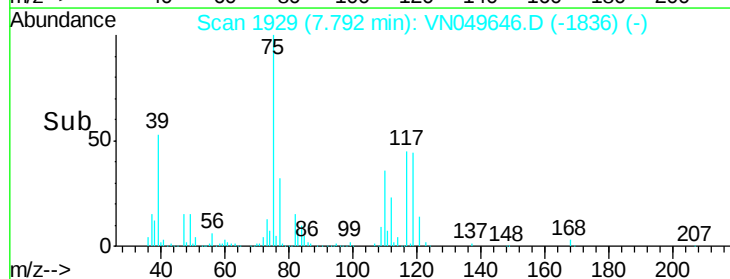
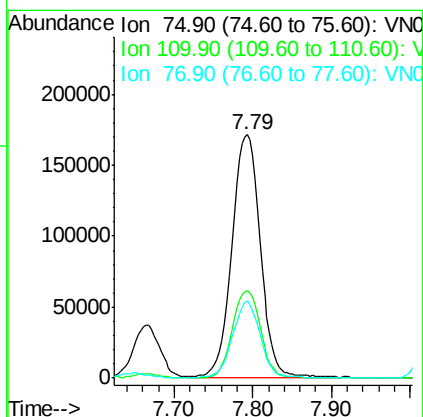
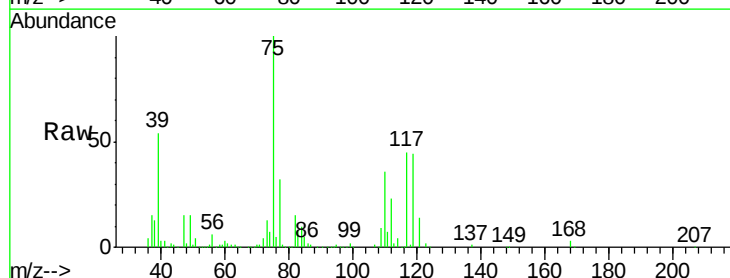
Instrument :
 MSVOA_N
 ClientSampleId :

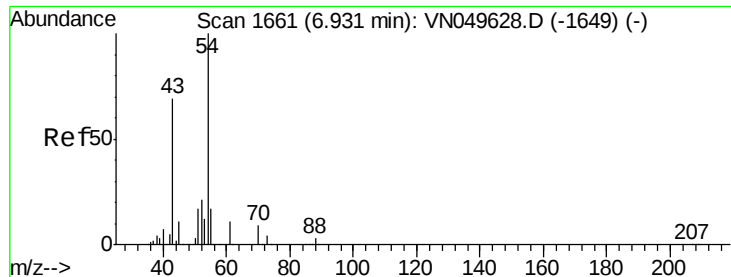
Tot Ion:113 Resp: 672246
 Ion Ratio Lower Upper
 113 100
 111 102.4 81.8 122.8
 192 22.7 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 19.92 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Tgt Ion: 75 Resp: 430648
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.1 54.4
 77 30.7 24.9 37.3

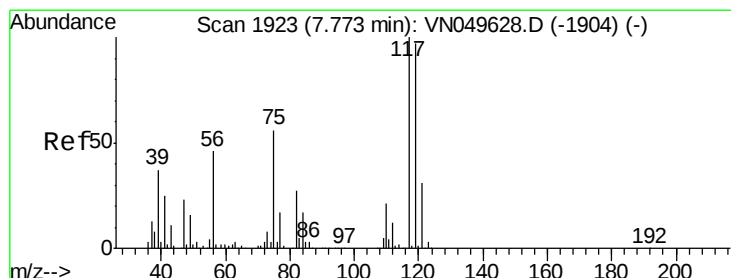
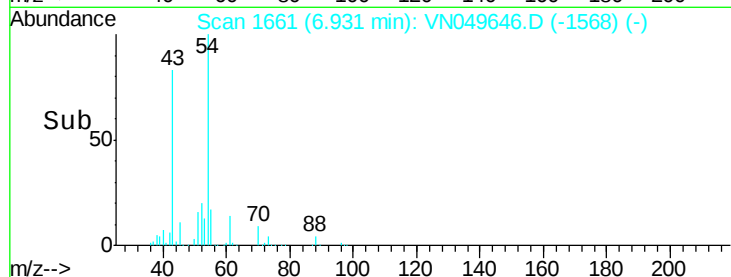
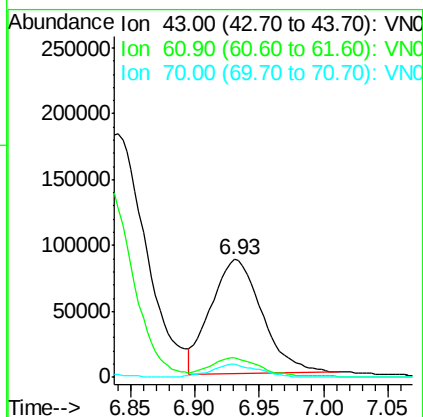
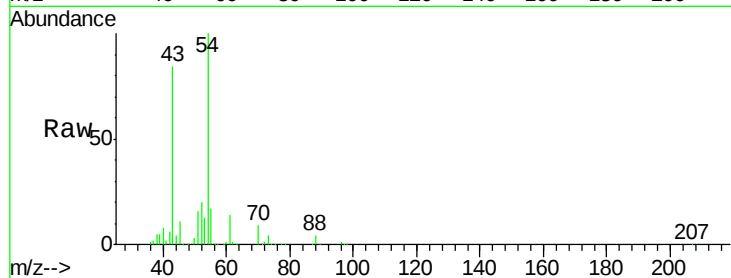




#37
Ethyl Acetate
Concen: 19.02 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

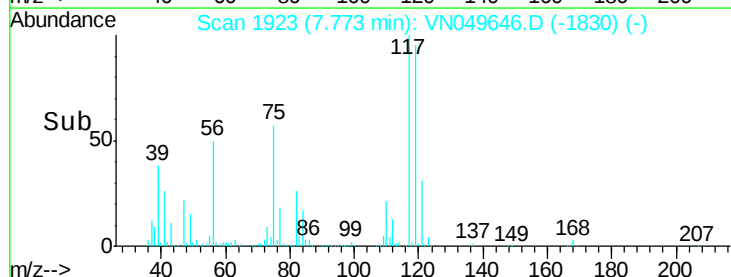
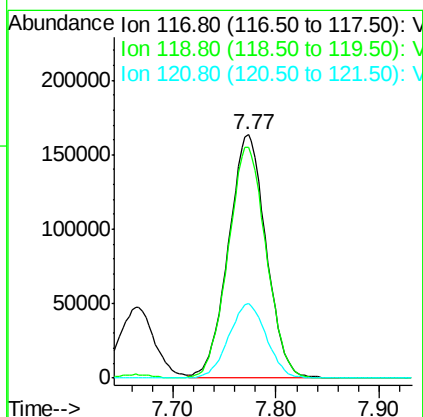
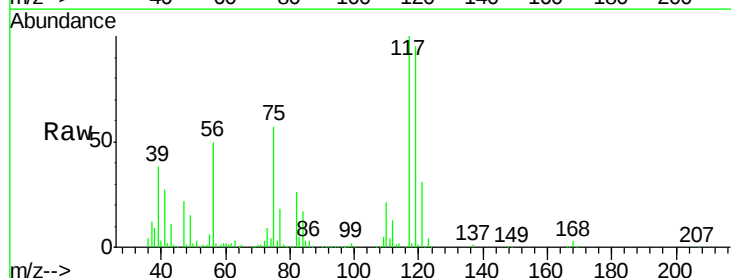
Instrument :
MSVOA_N
ClientSampled :

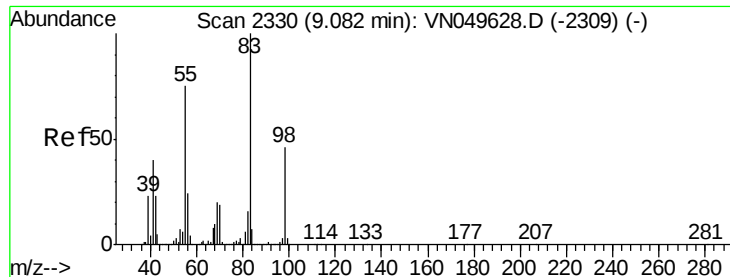
Tot Ion: 43 Resp: 239845
Ion Ratio Lower Upper
43 100
61 16.8 11.7 17.5
70 9.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.72 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion: 117 Resp: 414736
Ion Ratio Lower Upper
117 100
119 94.7 77.2 115.8
121 30.8 25.0 37.6

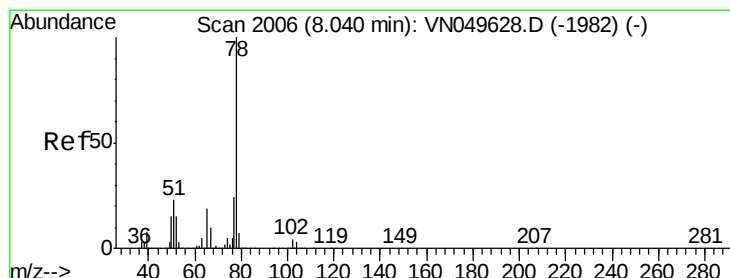
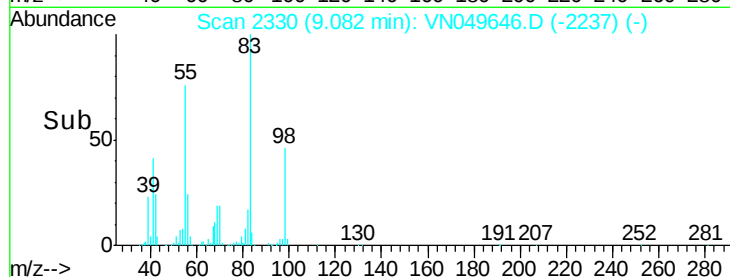
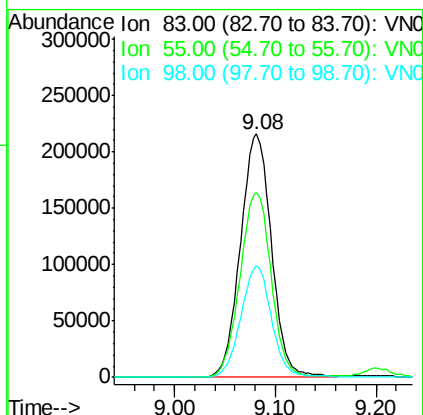
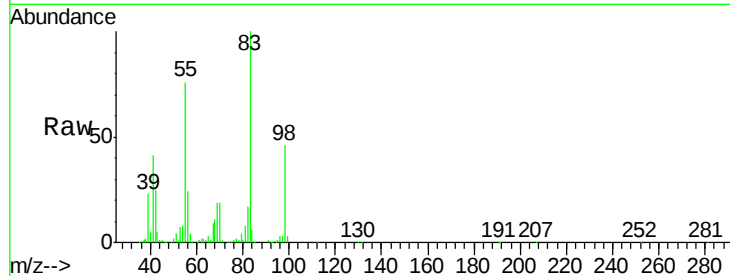




#39
Methvlcvclohexane
Concen: 19.41 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

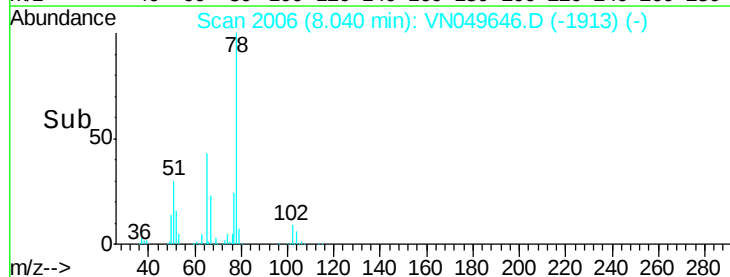
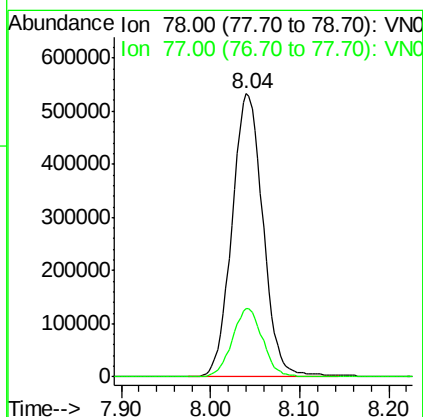
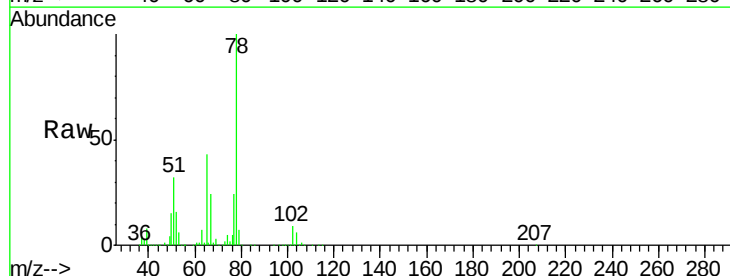
Instrument :
MSVOA_N
ClientSampleId :

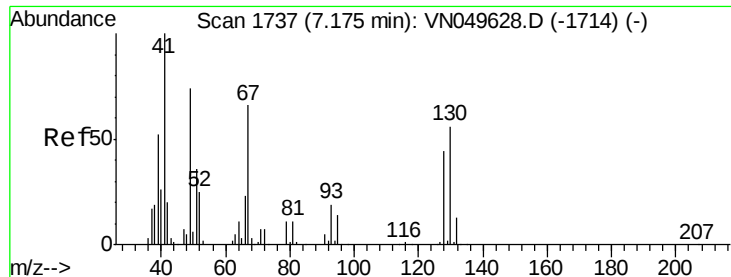
Tot Ion: 83 Resp: 460071
Ion Ratio Lower Upper
83 100
55 76.1 59.7 89.5
98 45.9 36.5 54.7



#40
Benzene
Concen: 19.48 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion: 78 Resp: 1285923
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4

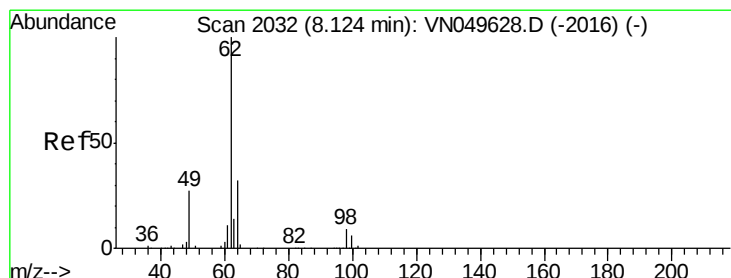
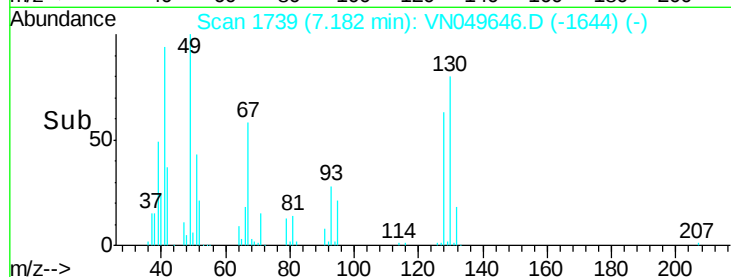
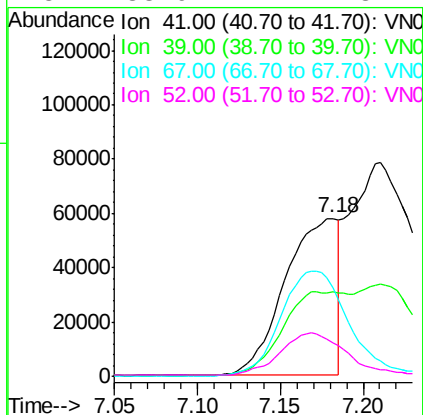
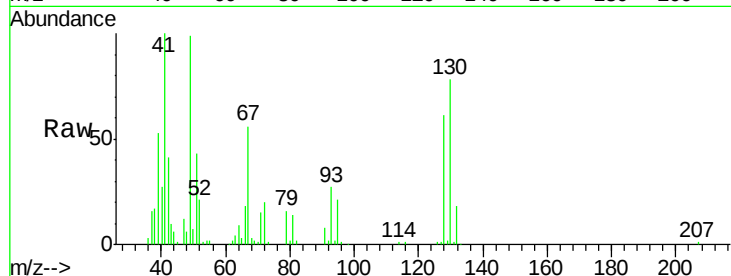




#41
Methacrylonitrile
Concen: 18.11 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

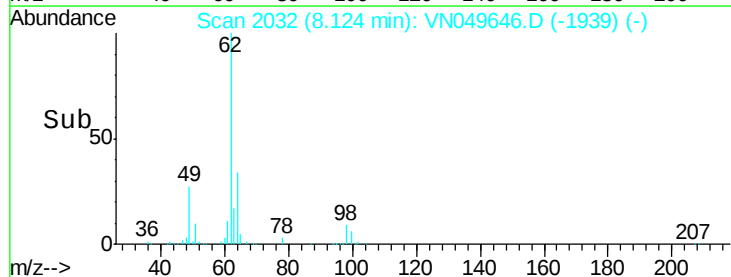
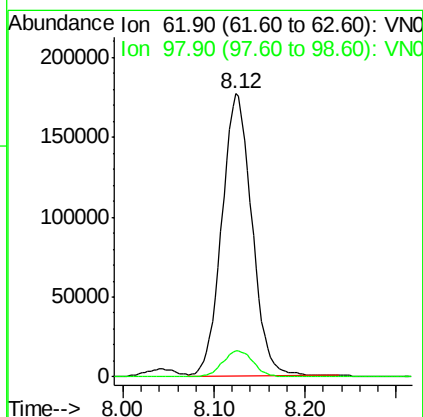
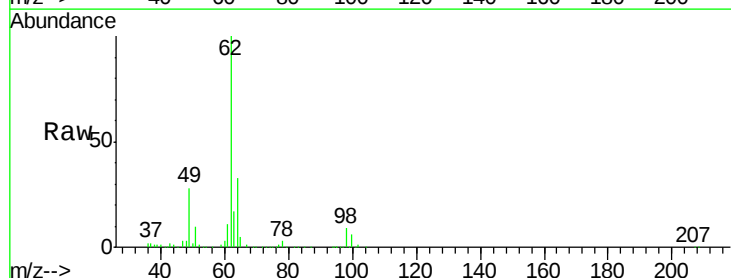
Instrument :
MSVOA_N
ClientSampled :

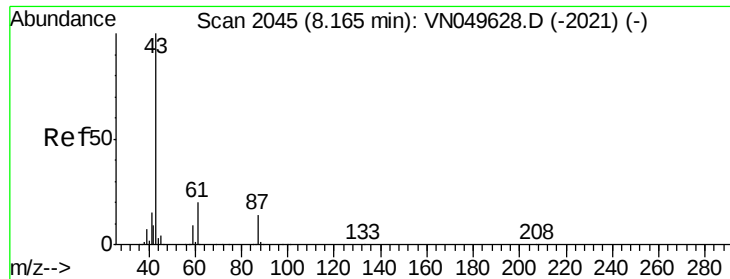
Tot Ion:	41	Resp:	128757
Ion	Ratio	Lower	Upper
41	100		
39	63.8	45.4	68.2
67	86.8	65.4	98.0
52	33.9	24.7	37.1



#42
1,2-Dichloroethane
Concen: 19.32 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion:	62	Resp:	407012
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.0



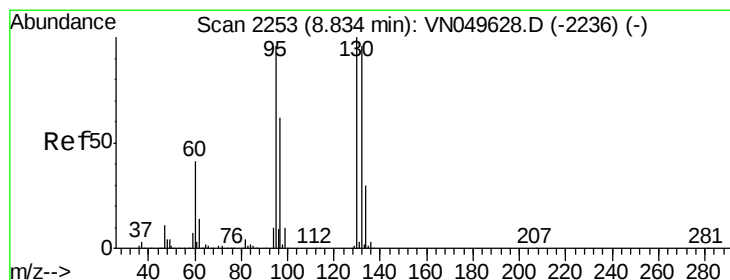
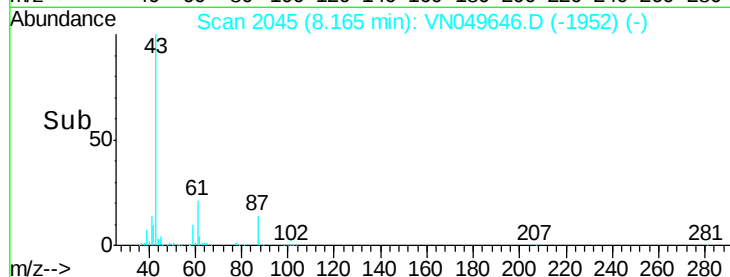
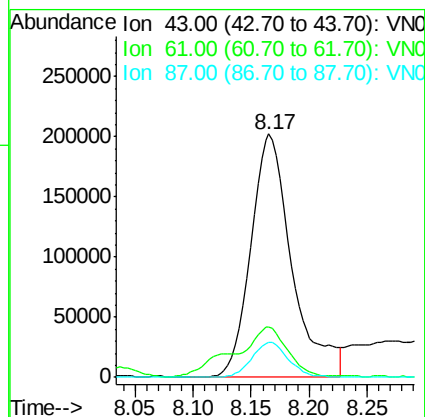
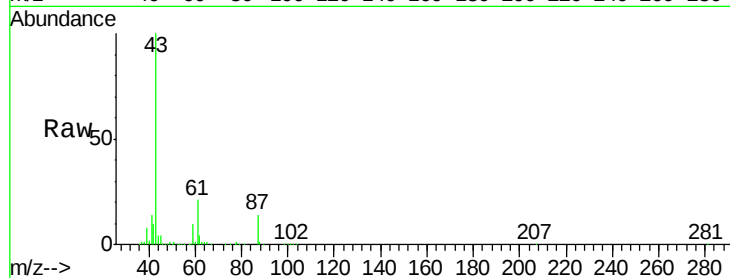


#43

Isopropyl Acetate
 Concen: 19.51 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Instrument :
 MSVOA_N
 ClientSampleId :

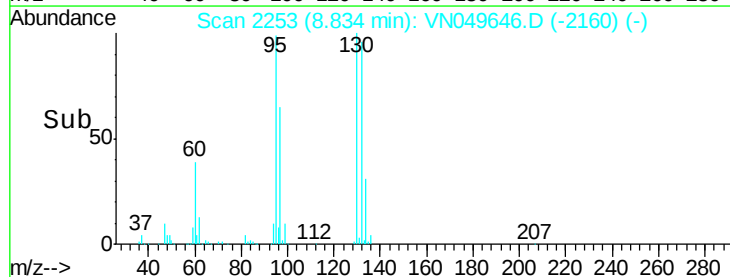
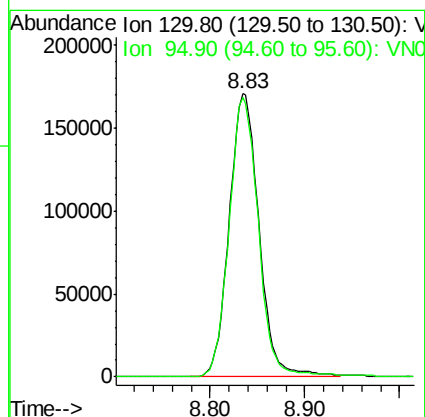
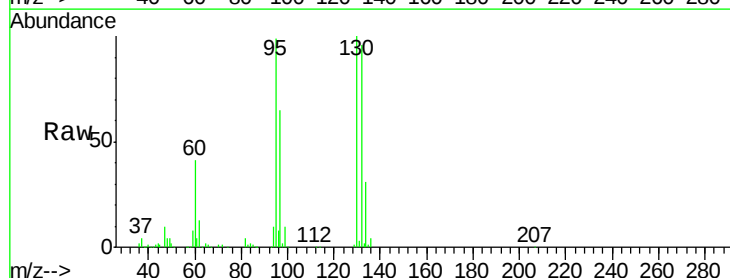
Tot Ion: 43 Resp: 497403
 Ion Ratio Lower Upper
 43 100
 61 17.1 14.9 22.3
 87 12.8 10.0 15.0

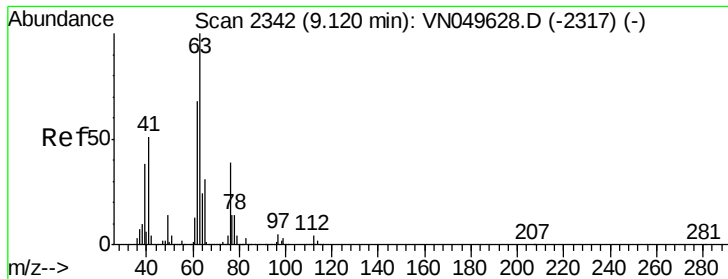


#44

Trichloroethene
 Concen: 18.79 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Tgt Ion: 130 Resp: 374180
 Ion Ratio Lower Upper
 130 100
 95 98.8 0.0 192.8





#45

1,2-Dichloropropane

Concen: 19.85 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

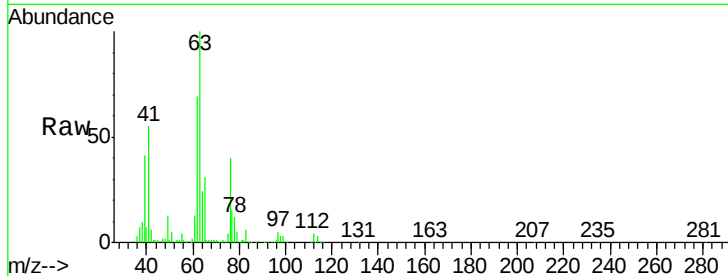
ClientSampleId :

Tot Ion: 63 Resp: 338536

Ion Ratio Lower Upper

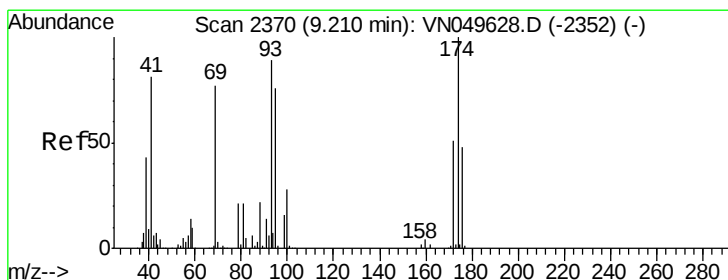
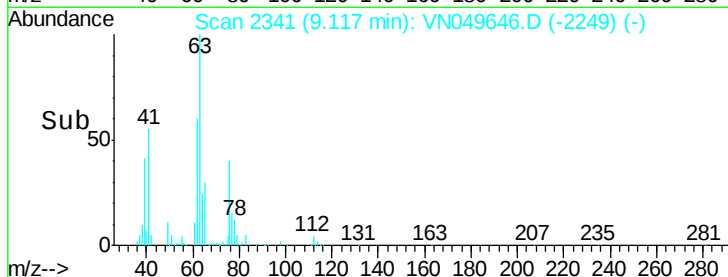
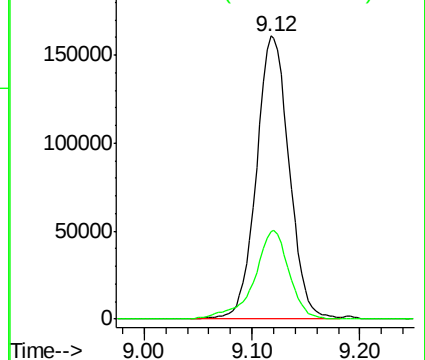
63 100

65 30.9 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.32 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

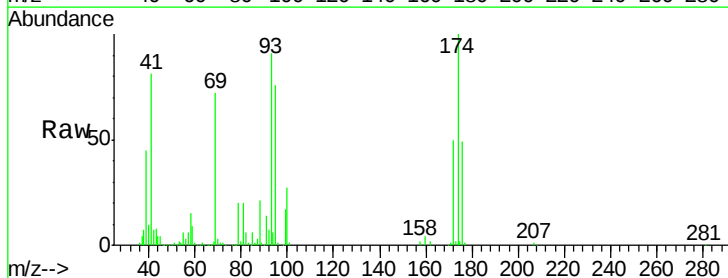
Tgt Ion: 93 Resp: 199434

Ion Ratio Lower Upper

93 100

95 84.1 67.9 101.9

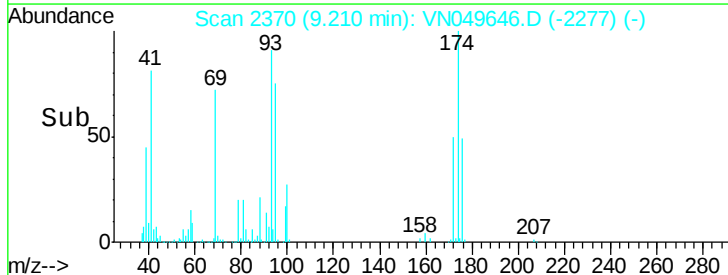
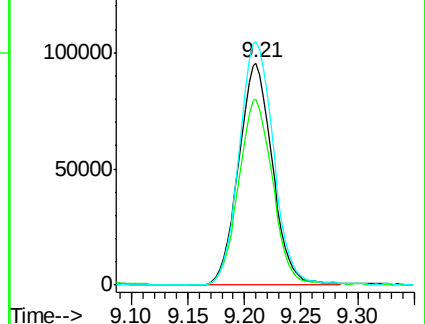
174 110.7 89.4 134.0

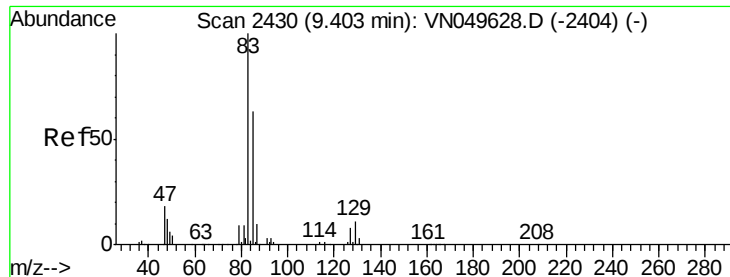


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.65 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :

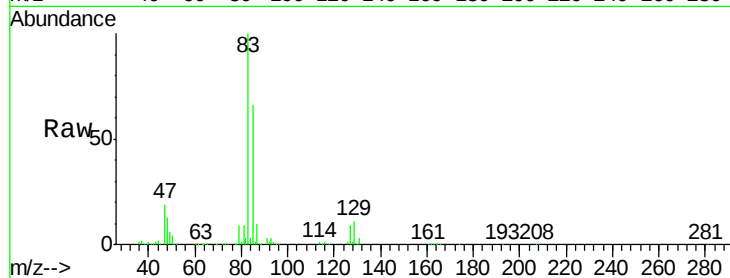
Tot Ion: 83 Resp: 431631

Ion Ratio Lower Upper

83 100

85 65.7 50.5 75.7

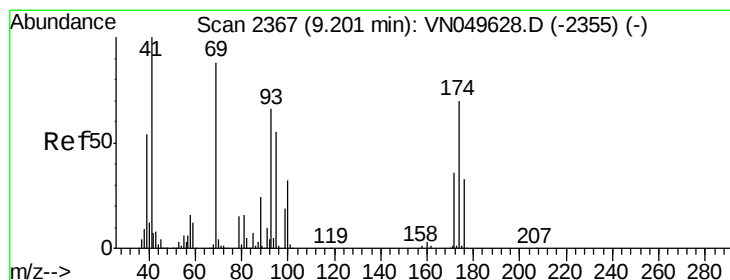
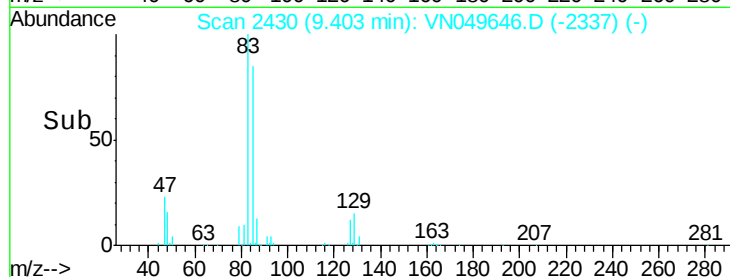
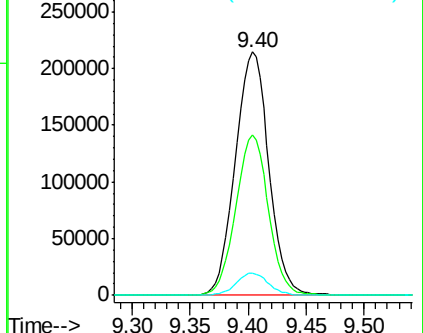
127 9.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049646.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049646.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049646.D (-2337) (-)



#48

Methyl methacrylate

Concen: 19.45 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

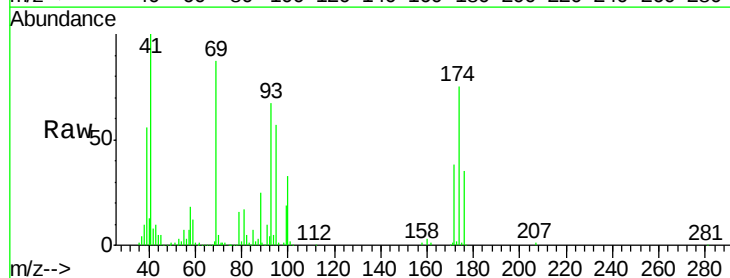
Tgt Ion: 41 Resp: 217999

Ion Ratio Lower Upper

41 100

69 88.3 71.5 107.3

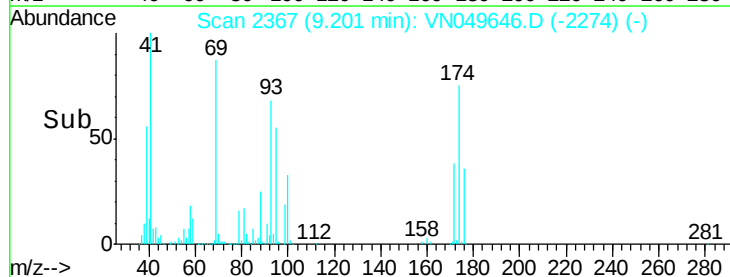
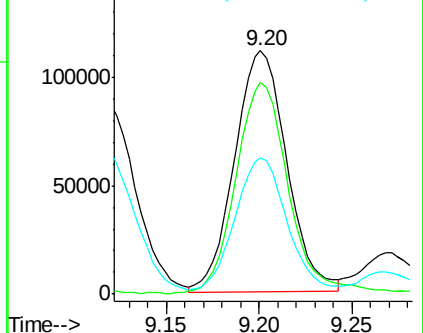
39 56.8 44.7 67.1

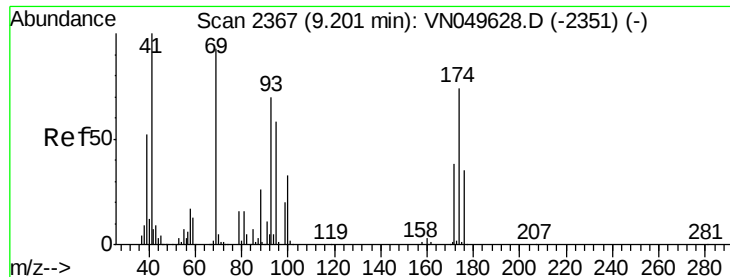


Abundance Ion 41.00 (40.70 to 41.70): VN049646.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049646.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049646.D (-2274) (-)

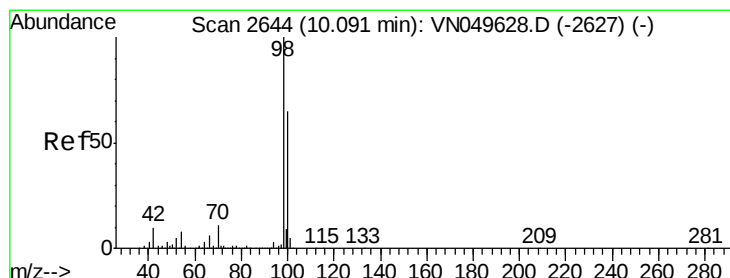
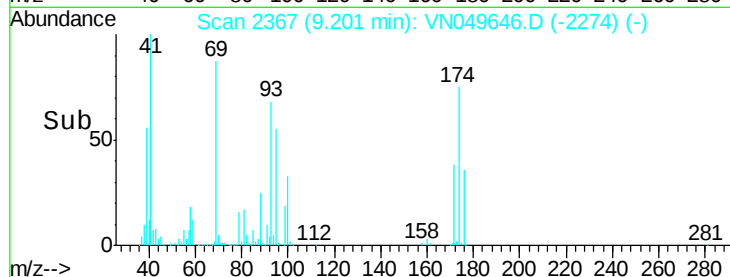
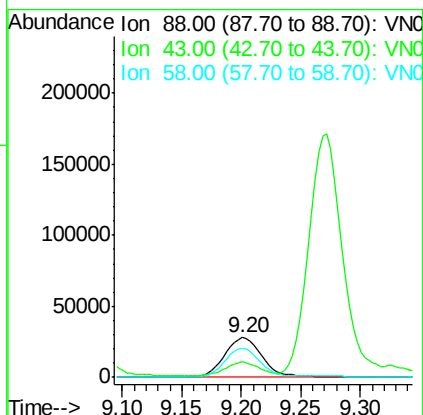
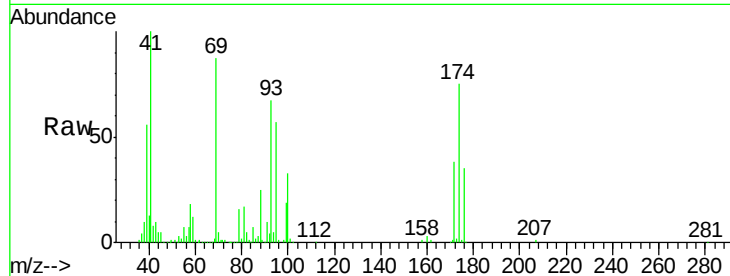




#49
1,4-Dioxane
Concen: 409.51 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

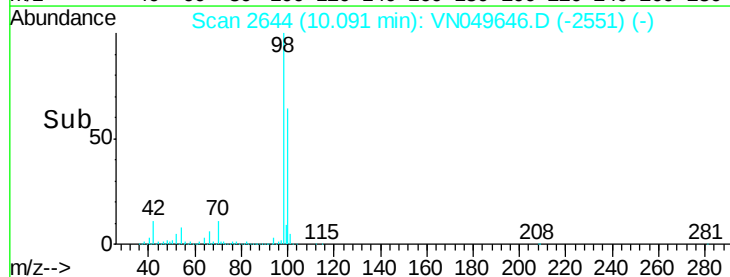
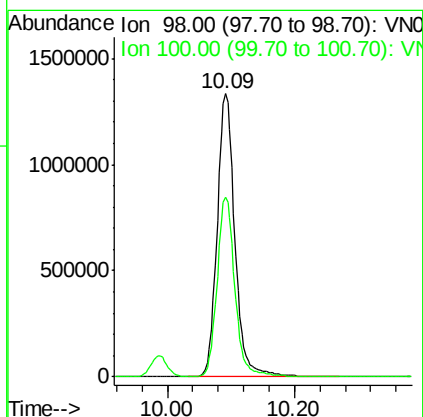
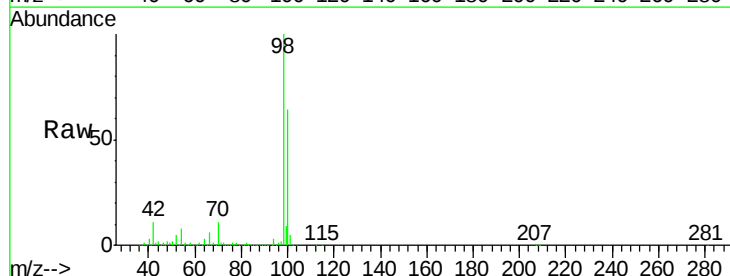
Instrument :
MSVOA_N
ClientSampleId :

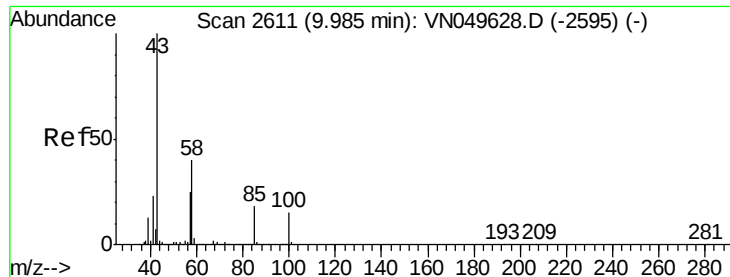
Tot Ion: 88 Resp: 61702
Ion Ratio Lower Upper
88 100
43 32.5 25.1 37.7
58 68.7 52.5 78.7



#50
Toluene-d8
Concen: 45.89 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion: 98 Resp: 2580869
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5

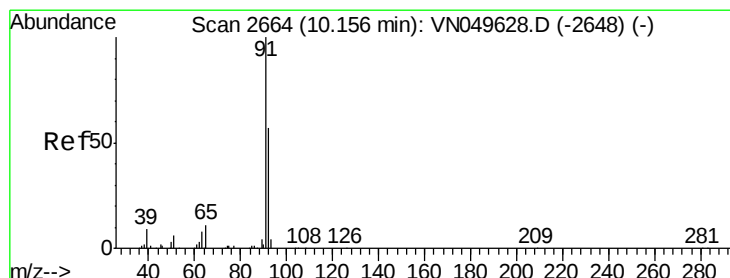
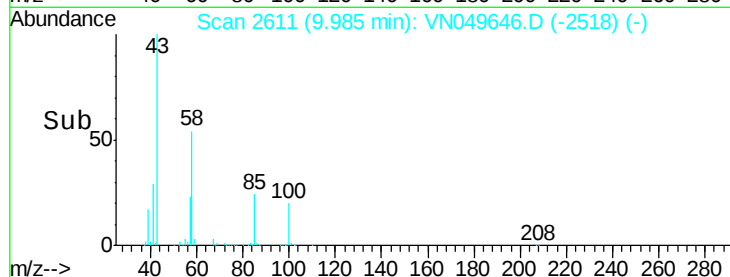
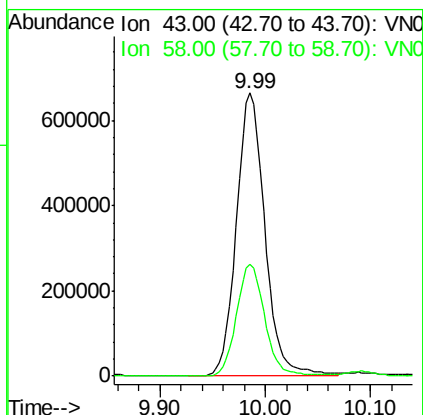
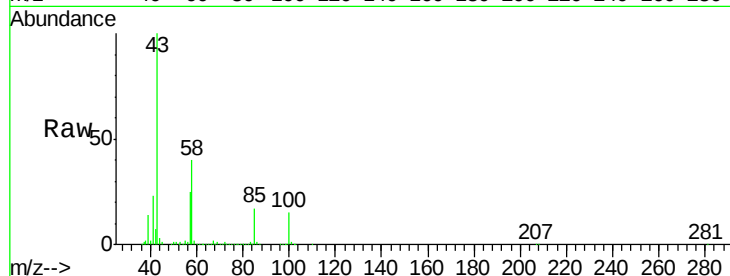




#51
4-Methyl-2-Pentanone
Concen: 100.66 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

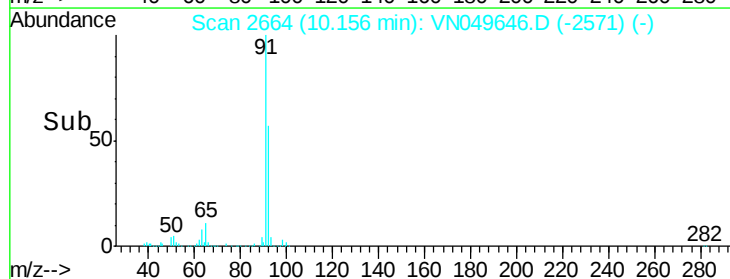
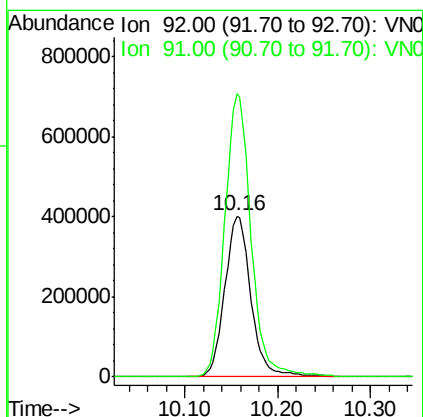
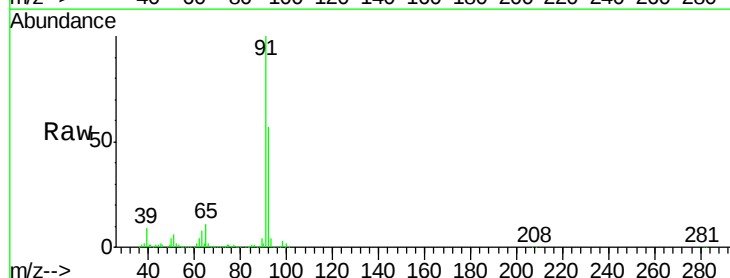
Instrument :
MSVOA_N
ClientSampled :

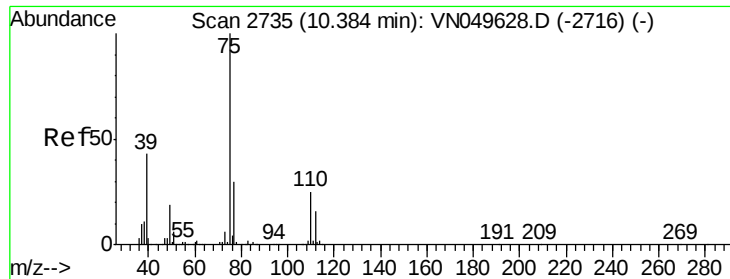
Tot Ion: 43 Resp: 1244660
Ion Ratio Lower Upper
43 100
58 39.4 31.8 47.8



#52
Toluene
Concen: 19.67 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion: 92 Resp: 784533
Ion Ratio Lower Upper
92 100
91 177.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 19.07 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

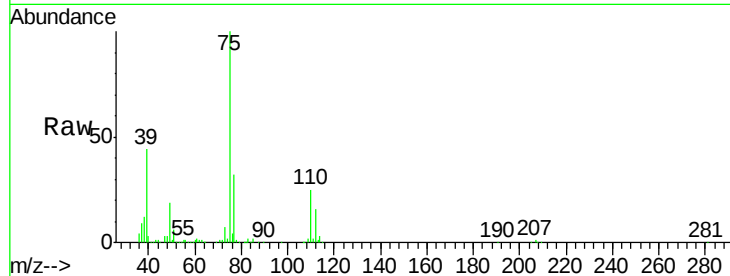
ClientSampleId :

Tot Ion: 75 Resp: 401081

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

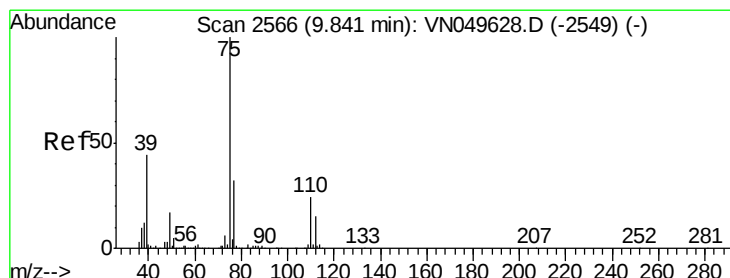
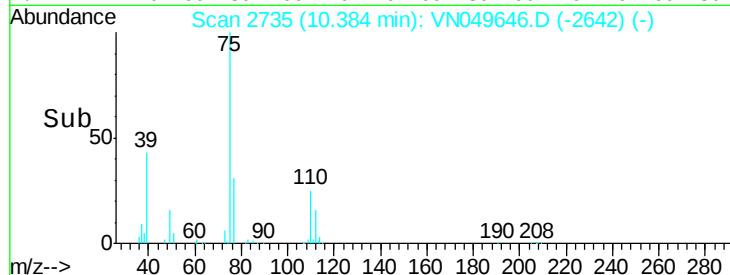
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.53 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

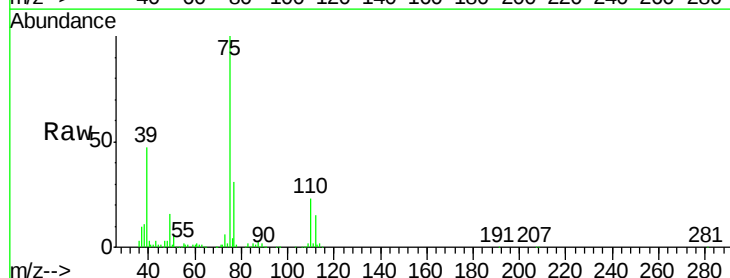
Tgt Ion: 75 Resp: 480242

Ion Ratio Lower Upper

75 100

77 30.8 25.3 37.9

39 46.7 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

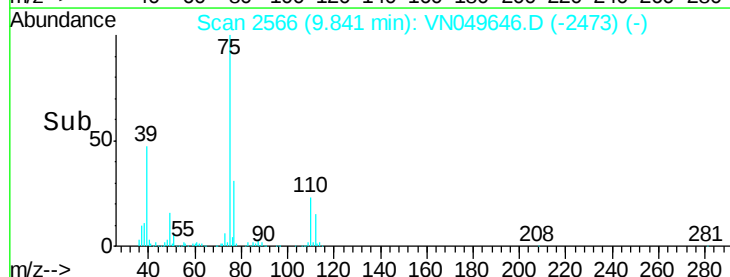
300000

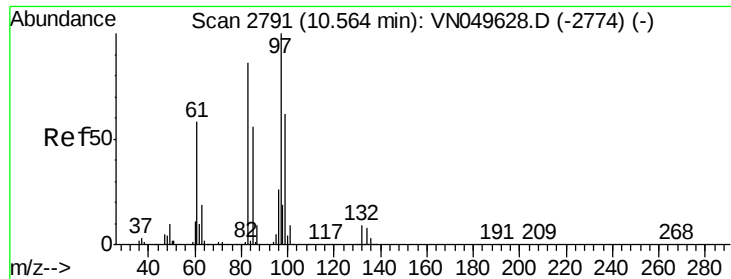
200000

100000

0

Time-->

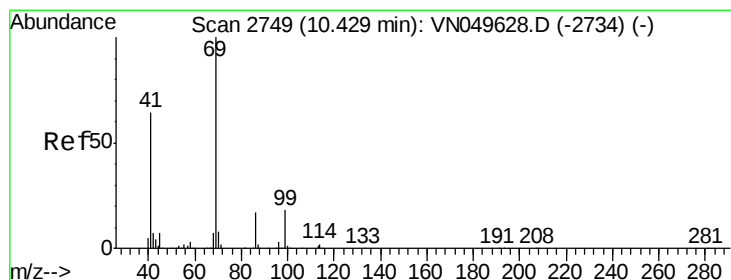
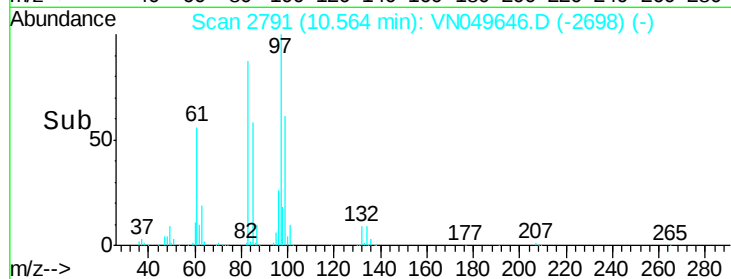
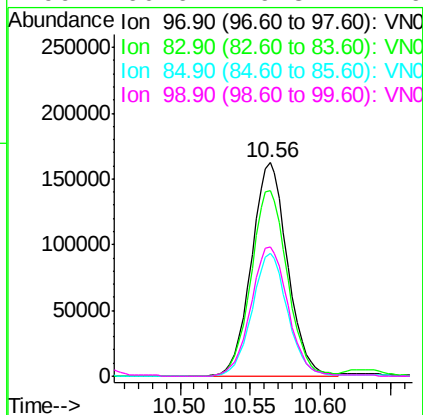
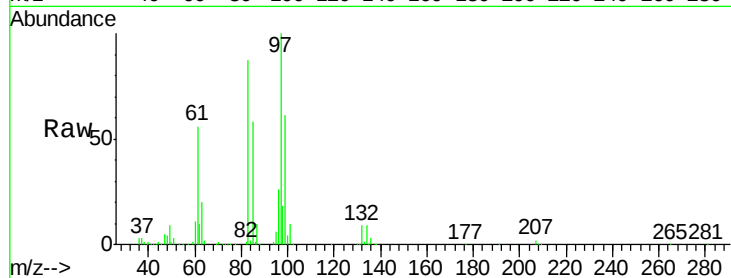




#55
 1,1,2-Trichloroethane
 Concen: 19.60 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

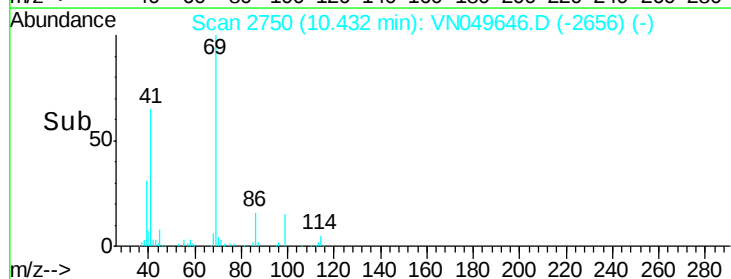
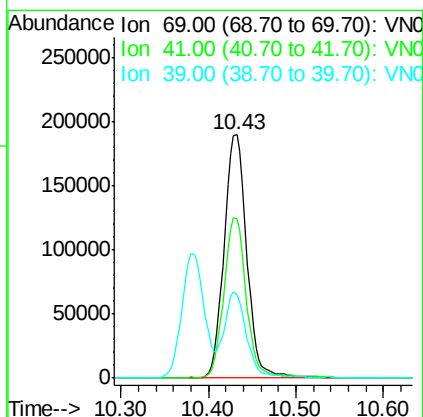
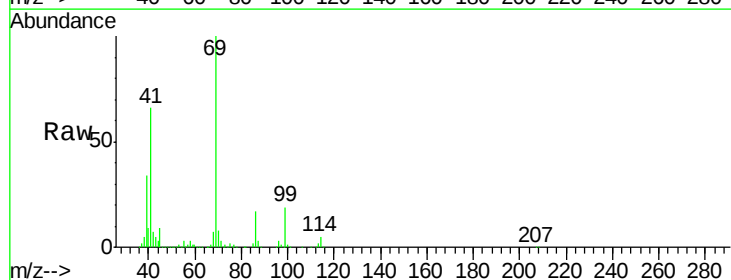
Instrument :
 MSVOA_N
 ClientSampled :

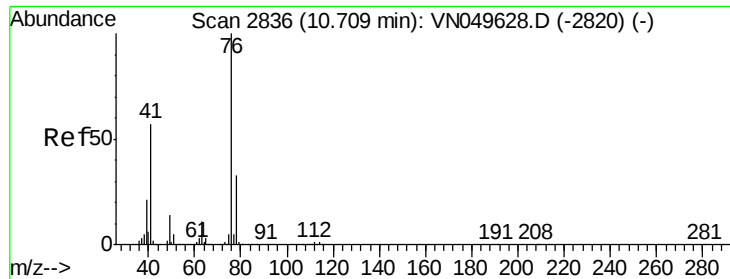
Tot Ion:	97	Resp:	291174
Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.0	103.6
85	57.7	44.9	67.3
99	60.6	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 19.71 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Tgt Ion:	69	Resp:	343179
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.6	77.4
39	34.1	25.8	38.8





#57

1,3-Dichloropropane

Concen: 19.79 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

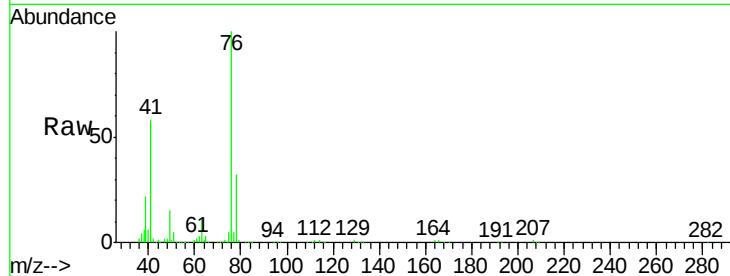
ClientSampleId :

Tot Ion: 76 Resp: 476634

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-2820) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-2820) (-)

10.71

250000

200000

150000

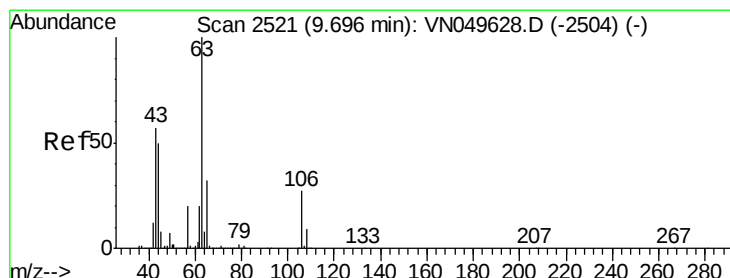
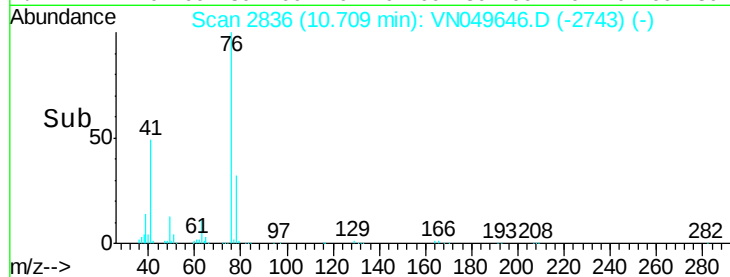
100000

50000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 89.10 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049646.D

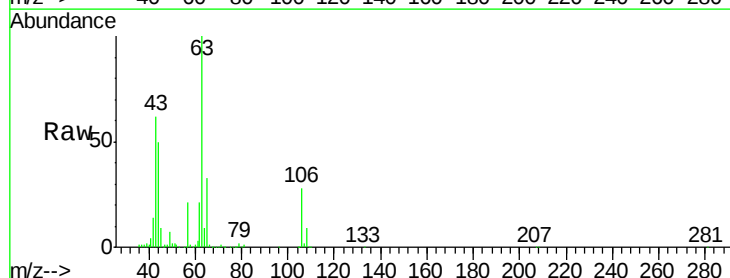
Acq: 30 Jun 2018 14:26

Tgt Ion: 63 Resp: 742358

Ion Ratio Lower Upper

63 100

106 27.8 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-2504) (-)

Ion 105.90 (105.60 to 106.60): VN049628.D (-2504) (-)

9.70

400000

300000

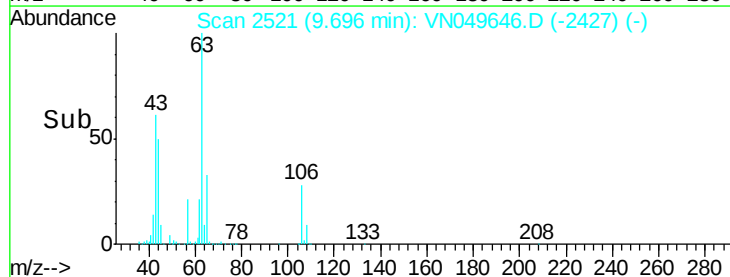
200000

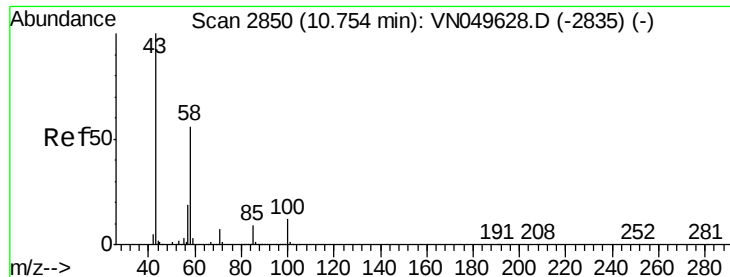
100000

0

Time-->

9.60 9.70 9.80





#59

2-Hexanone

Concen: 101.16 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

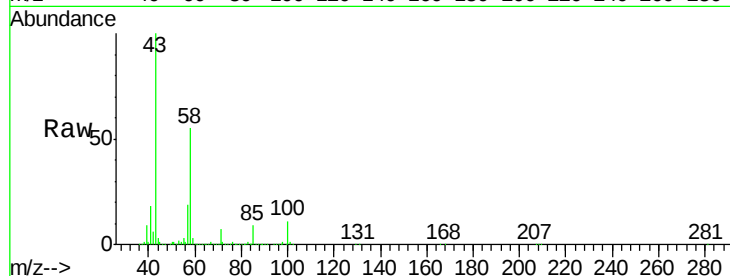
ClientSampled :

Tot Ion: 43 Resp: 827195

Ion Ratio Lower Upper

43 100

58 55.0 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN049646.D (-2757) (-)

Ion 58.00 (57.70 to 58.70): VN049646.D (-2757) (-)

10.75

400000

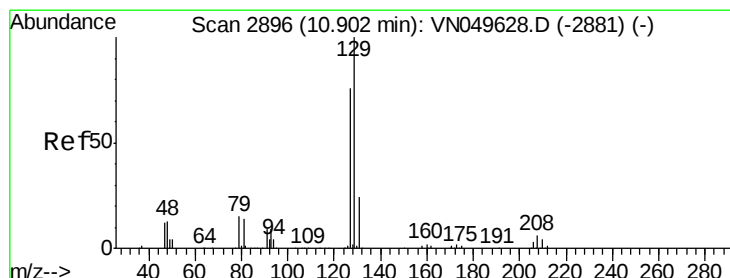
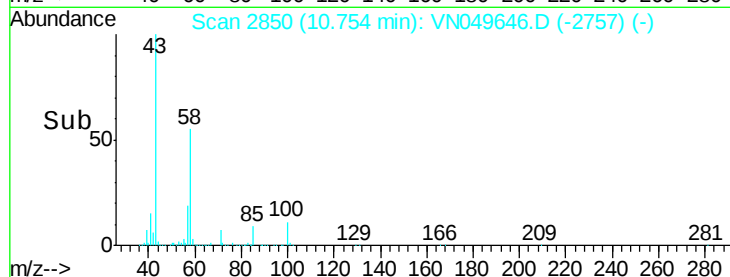
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 19.90 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN049646.D

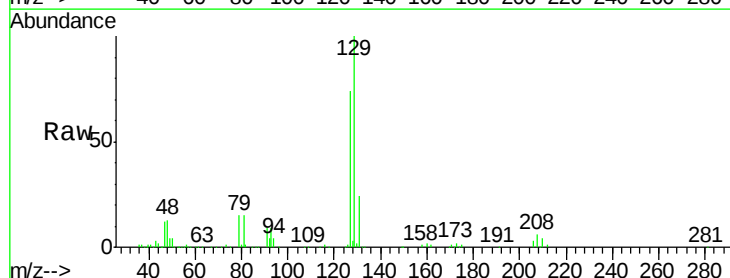
Acq: 30 Jun 2018 14:26

Tgt Ion: 129 Resp: 319485

Ion Ratio Lower Upper

129 100

127 76.2 38.3 114.9



Abundance Ion 128.80 (128.50 to 129.50): VN049646.D (-2803) (-)

Ion 126.80 (126.50 to 127.50): VN049646.D (-2803) (-)

10.90

200000

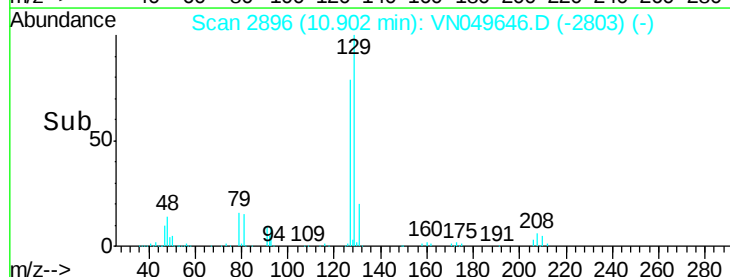
150000

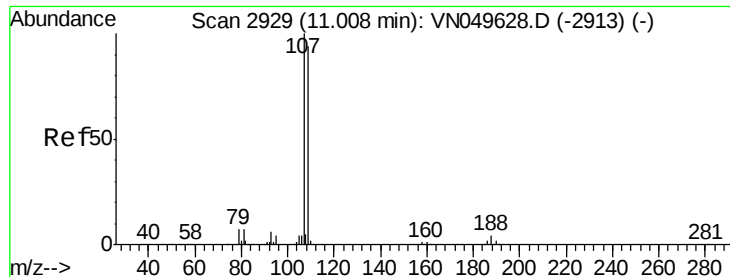
100000

50000

0

Time-->





#61

1,2-Dibromoethane

Concen: 19.21 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

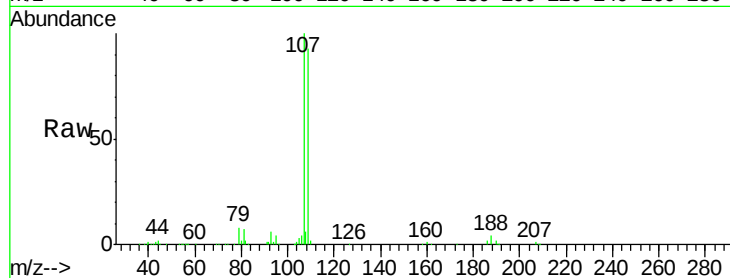
ClientSampleId :

Tot Ion: 107 Resp: 273412

Ion Ratio Lower Upper

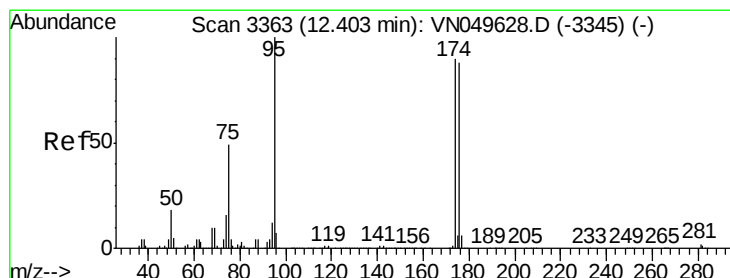
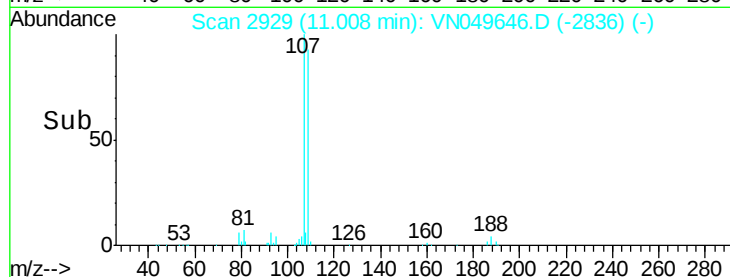
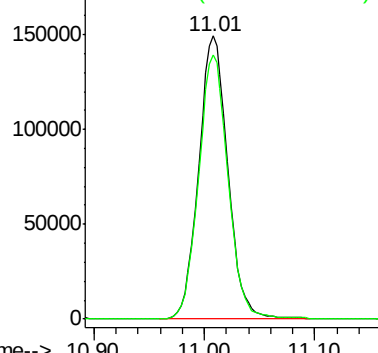
107 100

109 94.6 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.30 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

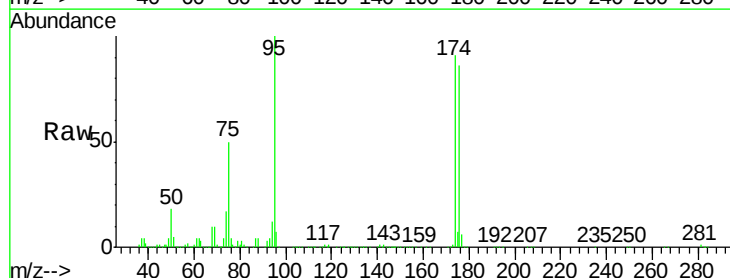
Tgt Ion: 95 Resp: 869905

Ion Ratio Lower Upper

95 100

174 90.6 0.0 179.6

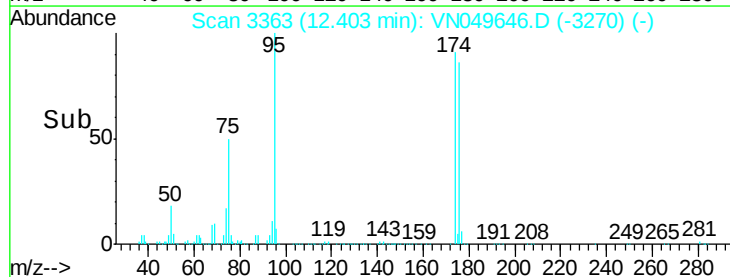
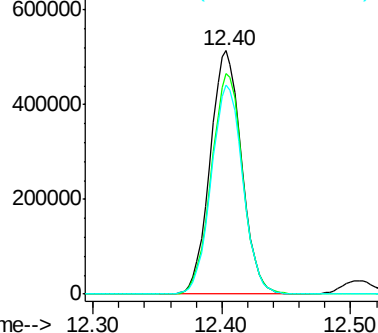
176 86.3 0.0 174.0

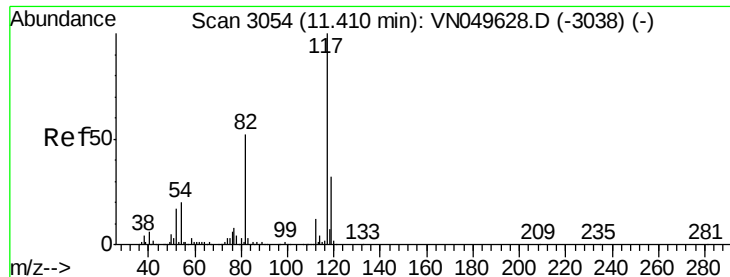


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

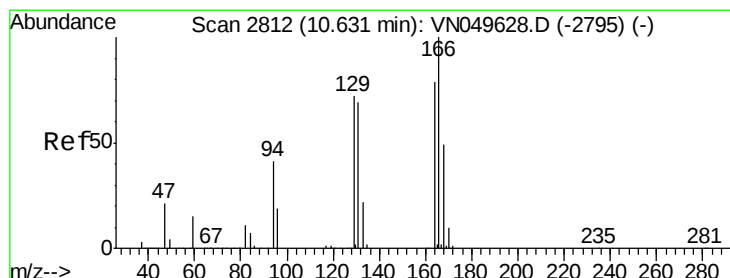
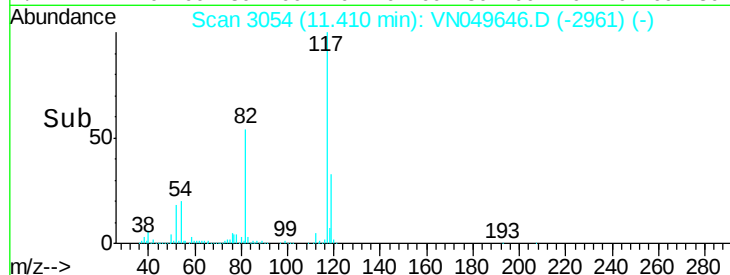
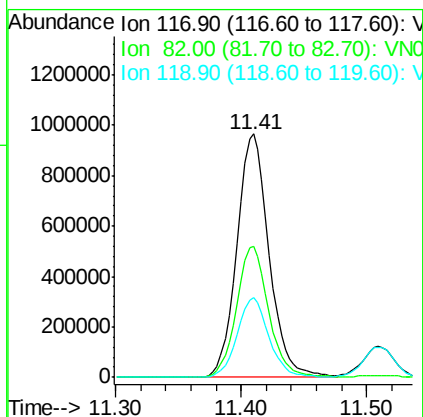
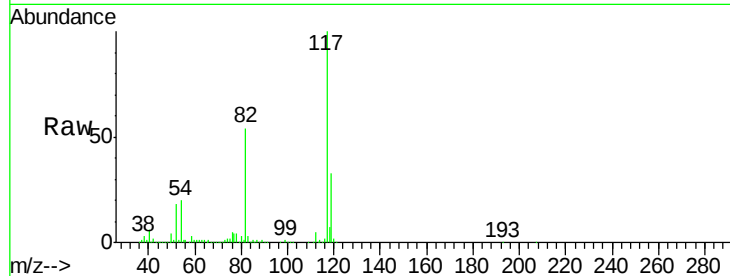




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

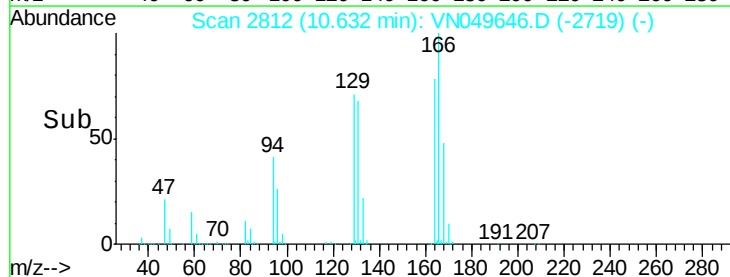
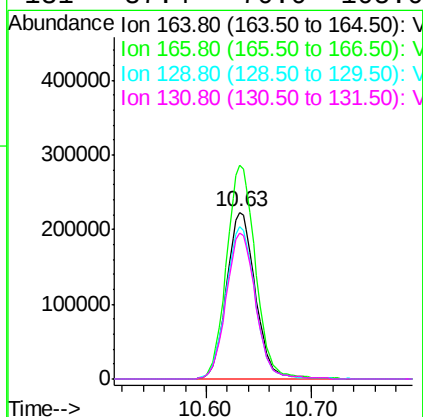
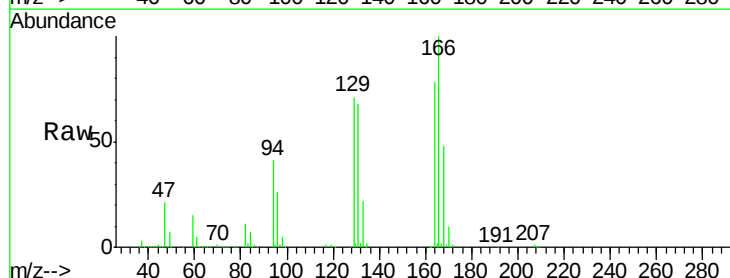
Instrument :
MSVOA_N
ClientSampleId :

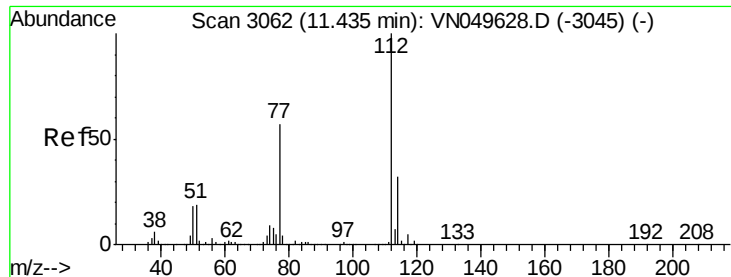
Tot Ion:117 Resp: 1723224
Ion Ratio Lower Upper
117 100
82 53.6 41.9 62.9
119 32.9 25.4 38.2



#64
Tetrachloroethene
Concen: 18.08 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion:164 Resp: 421793
Ion Ratio Lower Upper
164 100
166 128.3 101.8 152.6
129 91.2 72.8 109.2
131 87.4 70.0 105.0

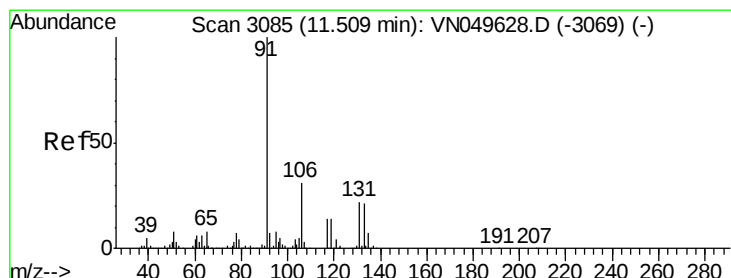
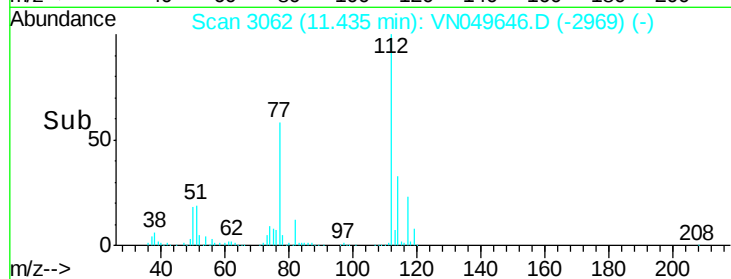
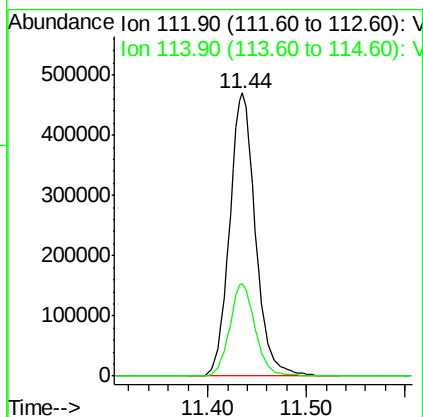
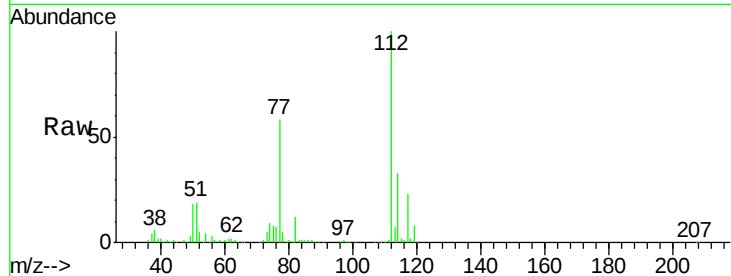




#65
Chlorobenzene
Concen: 19.08 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

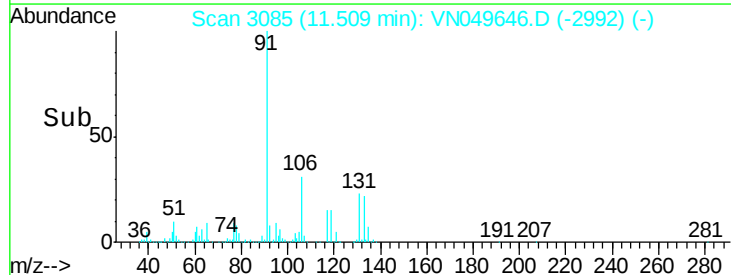
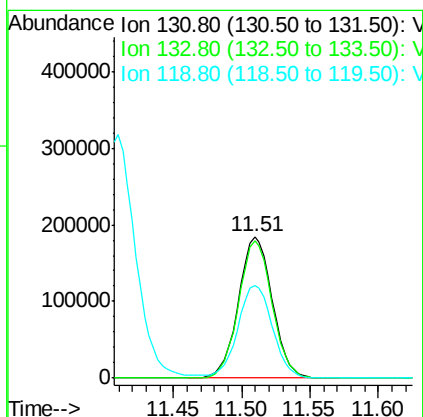
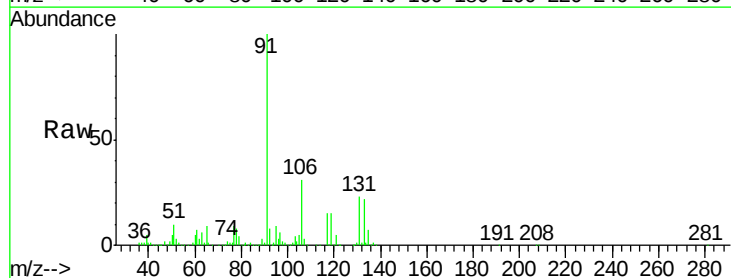
Instrument :
MSVOA_N
ClientSampled :

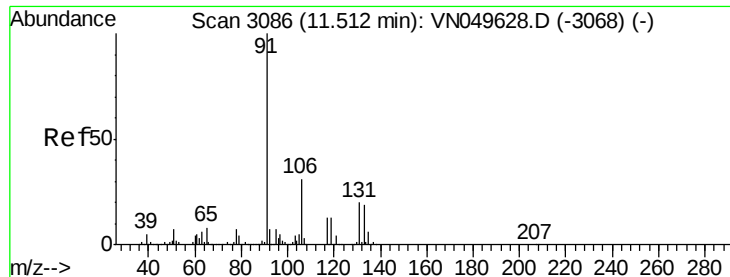
Tot Ion:112 Resp: 857698
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.65 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion:131 Resp: 317453
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.6
119 66.9 33.1 99.3





#67

Ethyl Benzene

Concen: 19.48 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

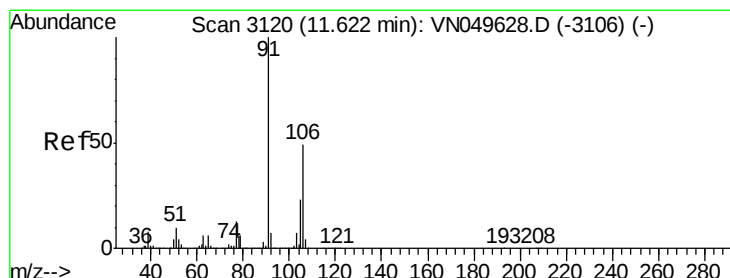
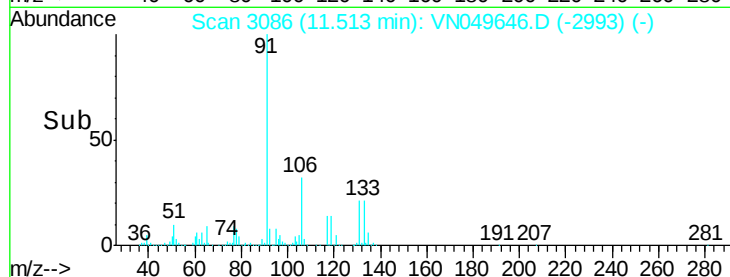
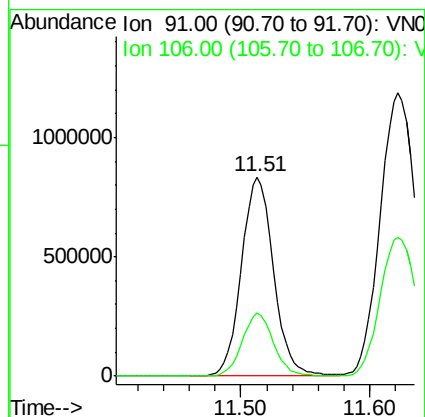
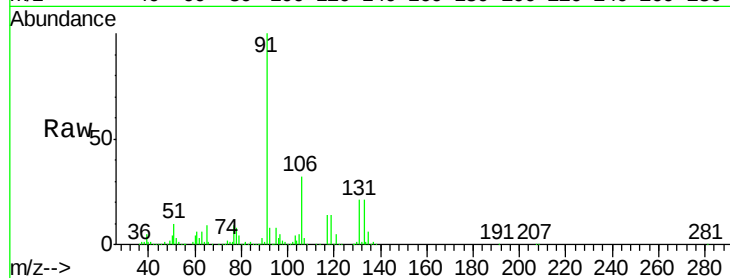
ClientSampleId :

Tot Ion: 91 Resp: 1447703

Ion Ratio Lower Upper

91 100

106 31.6 24.8 37.2



#68

m/p-Xylenes

Concen: 40.39 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049646.D

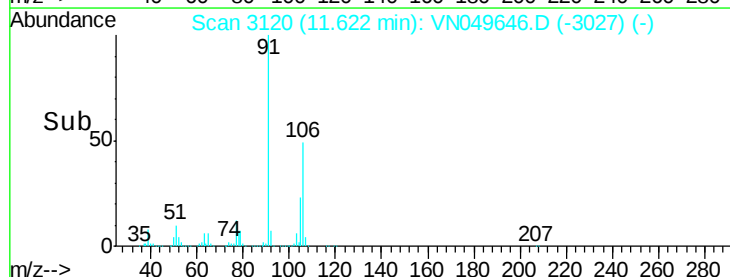
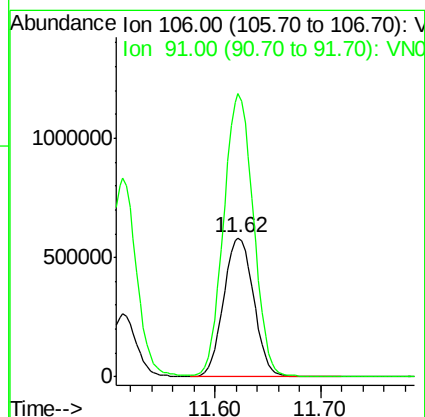
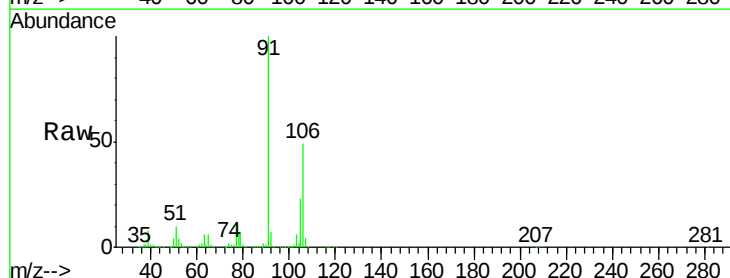
Acq: 30 Jun 2018 14:26

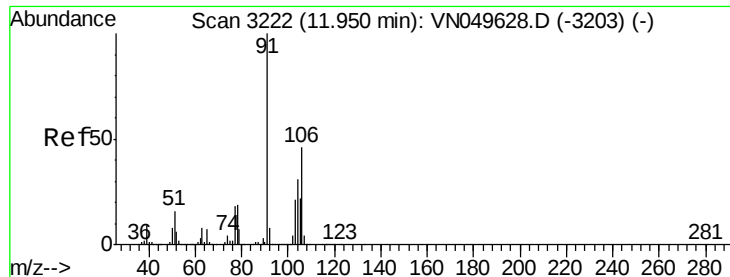
Tgt Ion: 106 Resp: 1150247

Ion Ratio Lower Upper

106 100

91 201.6 163.4 245.2





#69

o-Xylene

Concen: 19.91 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

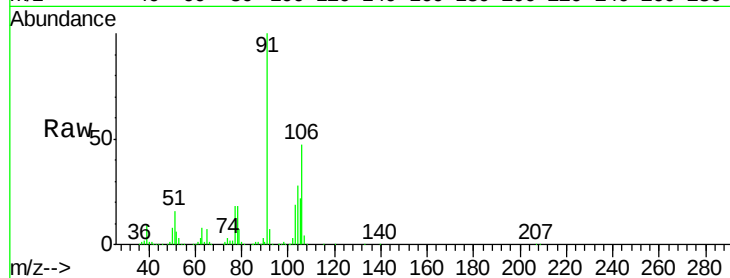
ClientSampleId :

Tot Ion:106 Resp: 542871

Ion Ratio Lower Upper

106 100

91 215.1 108.7 326.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

800000

600000

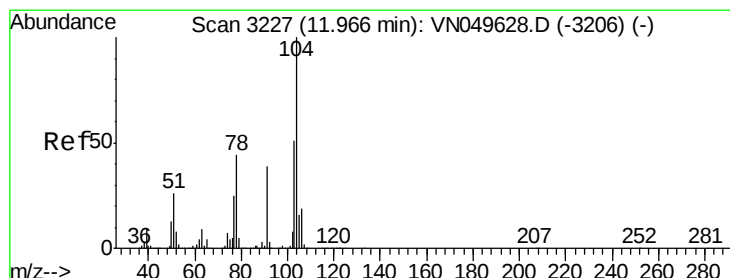
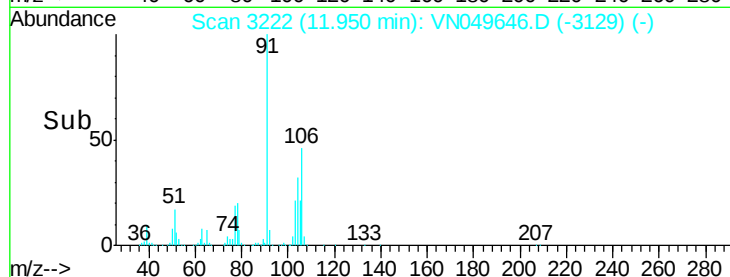
400000

200000

0

11.95

Time-->



#70

Styrene

Concen: 20.05 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

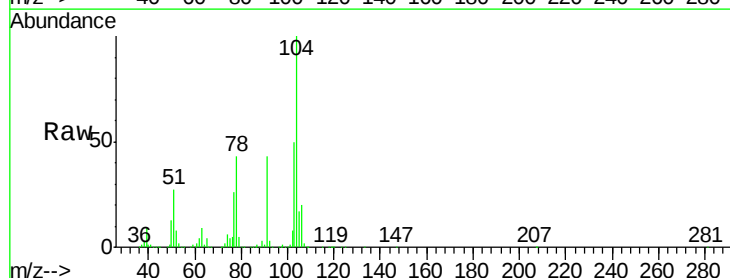
Tgt Ion:104 Resp: 884364

Ion Ratio Lower Upper

104 100

78 48.6 39.2 58.8

103 55.5 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

600000

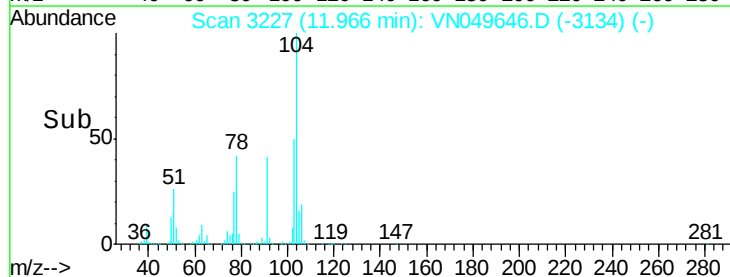
400000

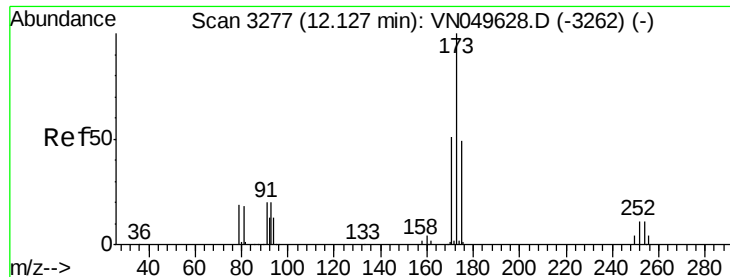
200000

0

11.97

Time-->

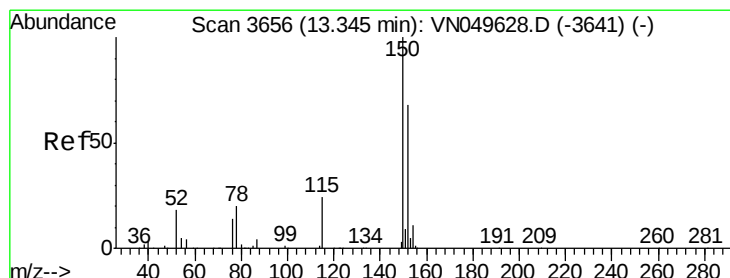
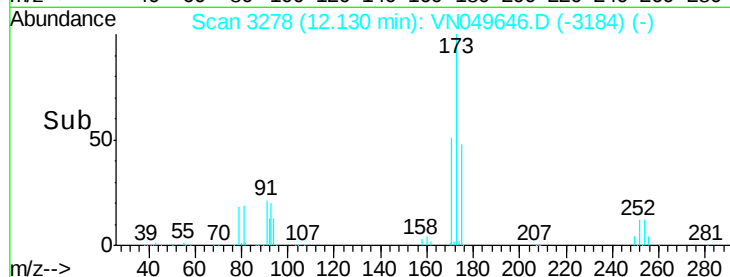
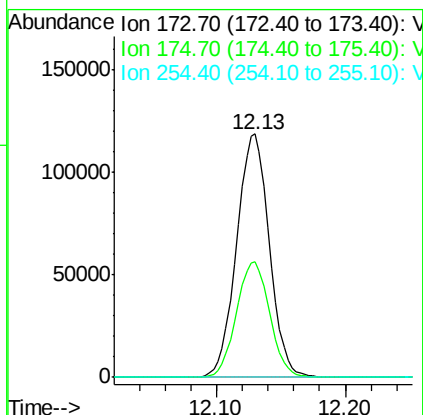
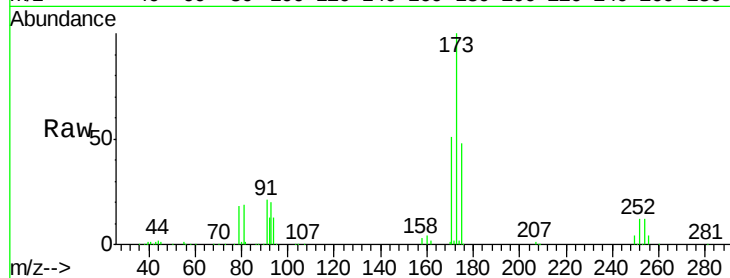




#71
Bromoform
Concen: 19.48 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

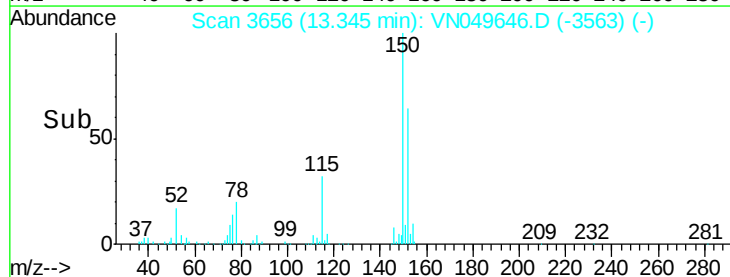
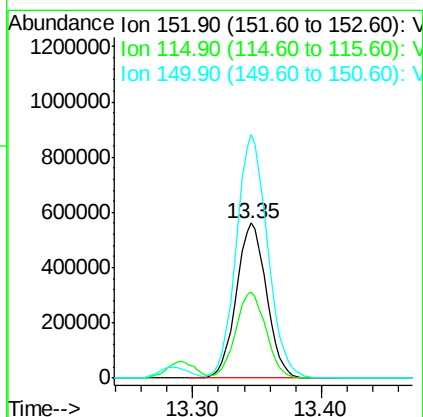
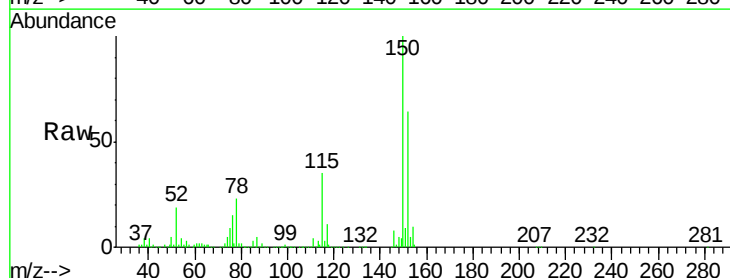
Instrument :
MSVOA_N
ClientSampled :

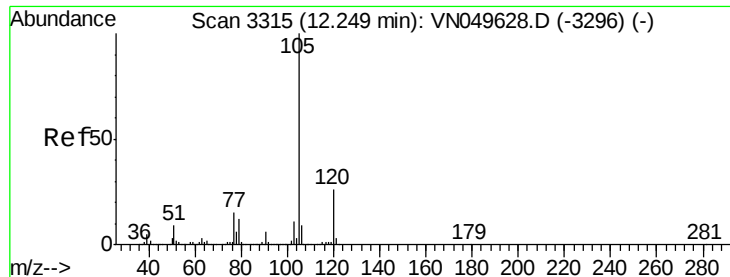
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.8
254	0.0	0.2	0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.1	84.2
150	164.1	0.0	347.6





#73

Isopropylbenzene

Concen: 20.02 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

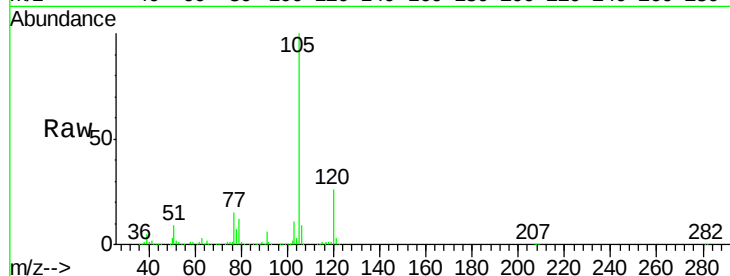
ClientSampleId :

Tot Ion:105 Resp: 1447805

Ion Ratio Lower Upper

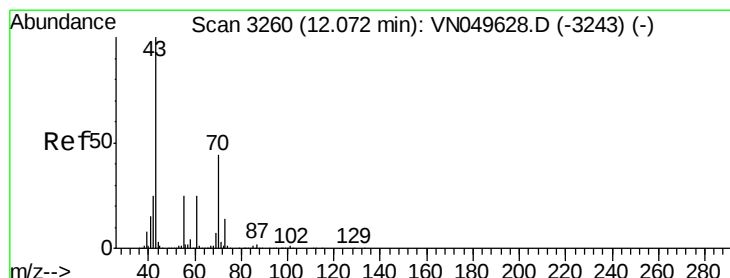
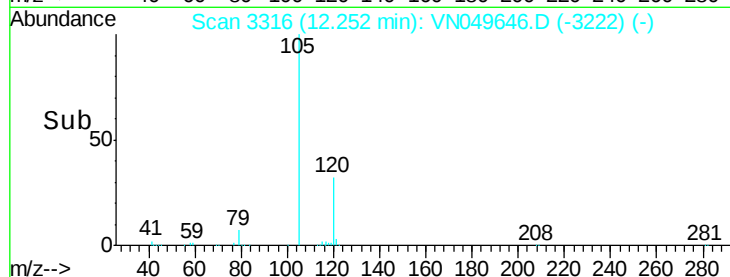
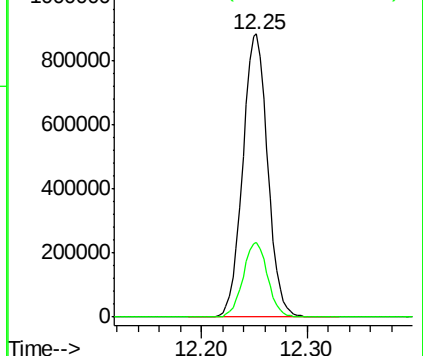
105 100

120 26.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.77 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Tgt Ion: 43 Resp: 370826

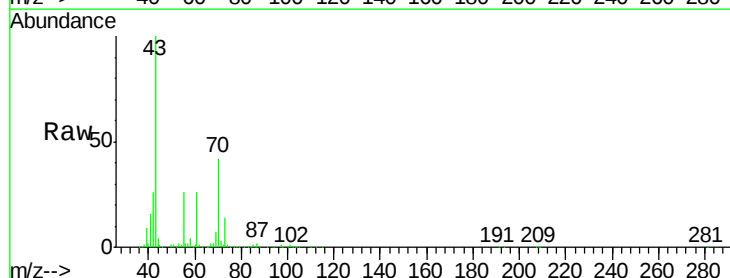
Ion Ratio Lower Upper

43 100

70 43.1 34.8 52.2

55 26.7 20.9 31.3

61 24.7 19.9 29.9

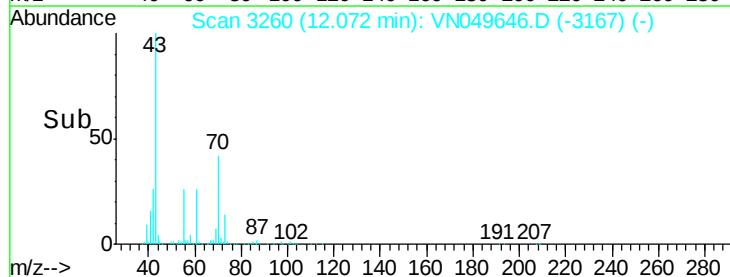
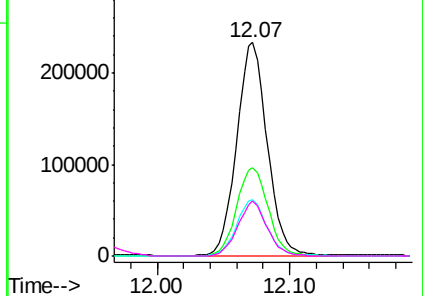


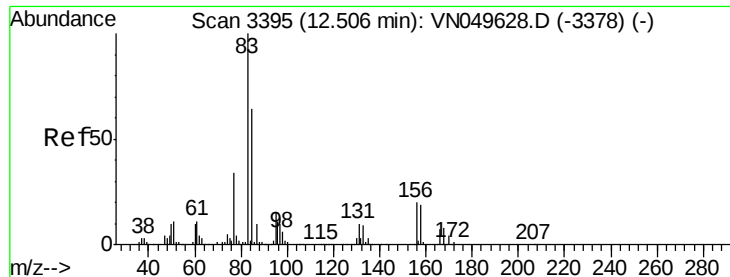
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.35 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

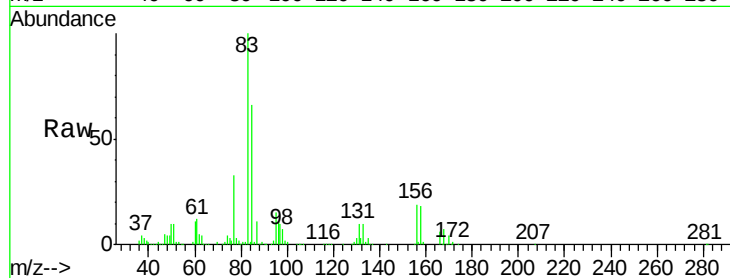
Tot Ion: 83 Resp: 318046

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

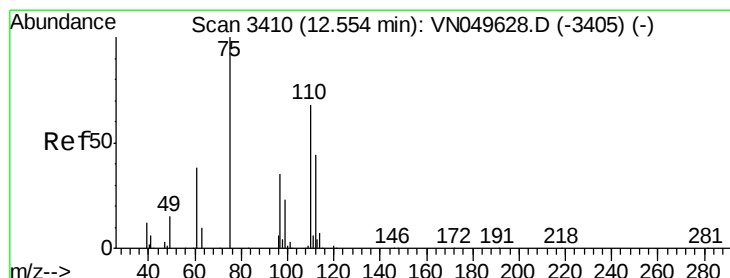
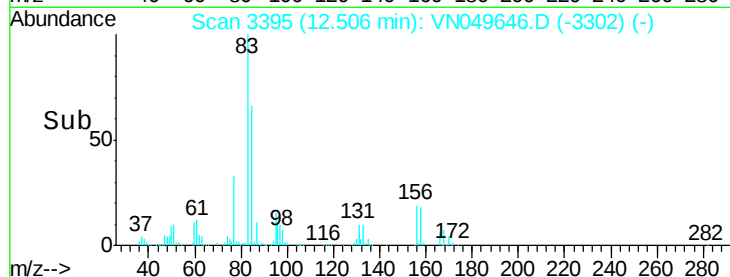
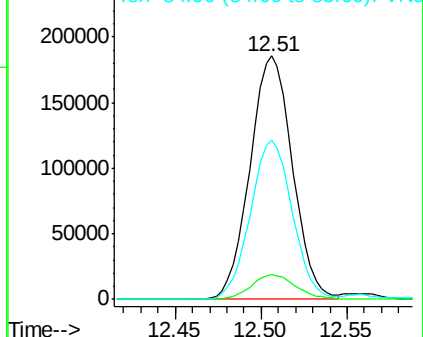
85 64.4 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN049646.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049646.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049646.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 28.17 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049646.D

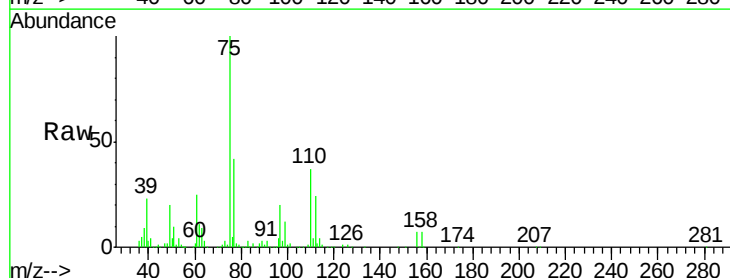
Acq: 30 Jun 2018 14:26

Tgt Ion: 75 Resp: 410199

Ion Ratio Lower Upper

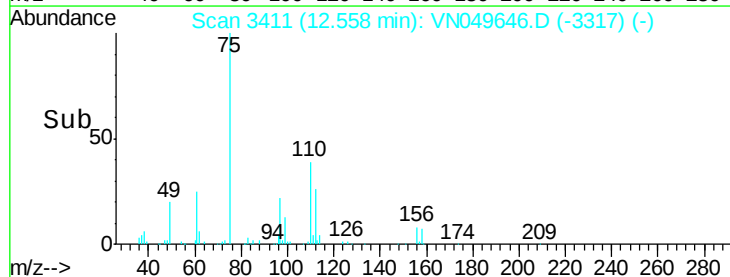
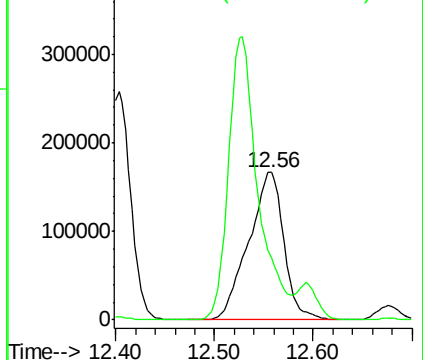
75 100

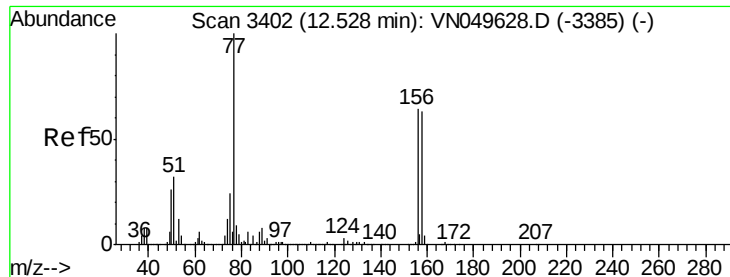
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049646.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049646.D (-3317) (-)





#77

Bromobenzene

Concen: 18.94 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

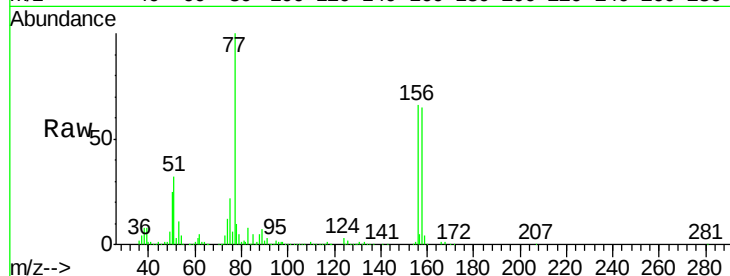
Tot Ion:156 Resp: 372422

Ion Ratio Lower Upper

156 100

77 177.2 90.2 270.6

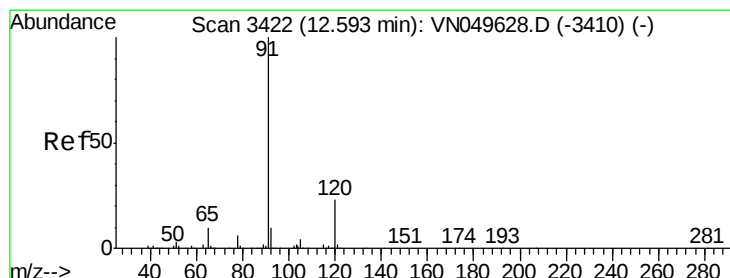
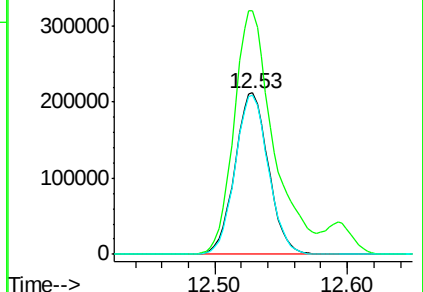
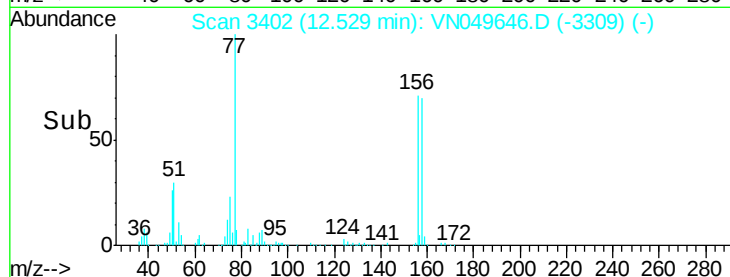
158 97.9 49.1 147.3



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: 20.15 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049646.D

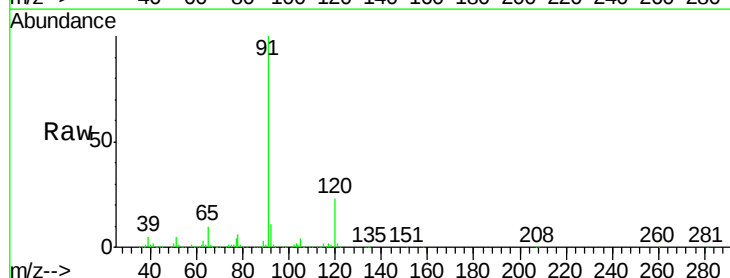
Acq: 30 Jun 2018 14:26

Tgt Ion: 91 Resp: 1670008

Ion Ratio Lower Upper

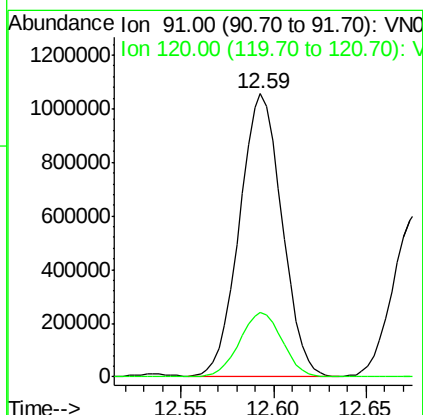
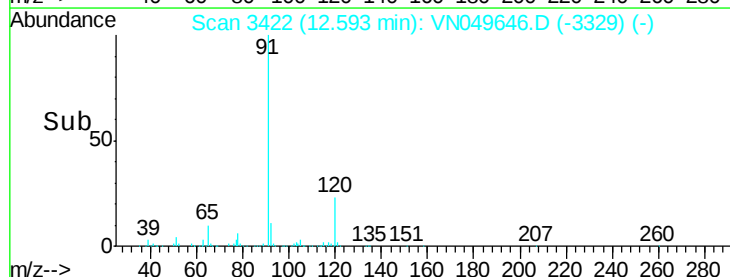
91 100

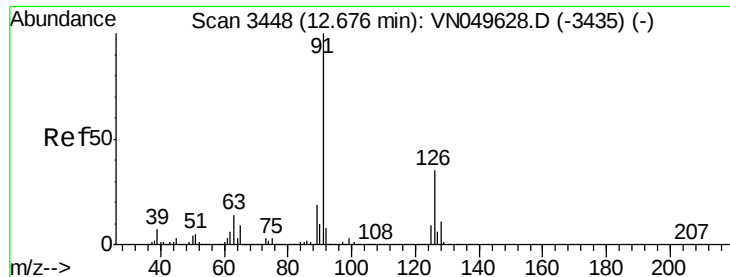
120 22.9 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.25 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

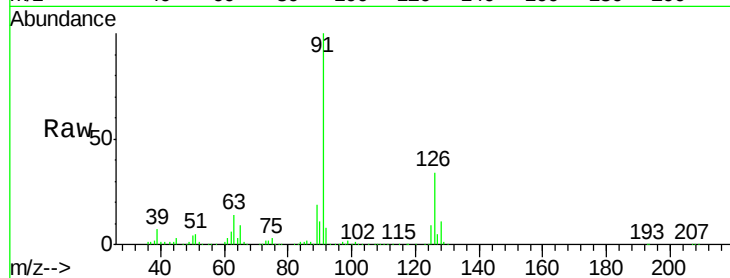
ClientSampleId :

Tot Ion: 91 Resp: 1009857

Ion Ratio Lower Upper

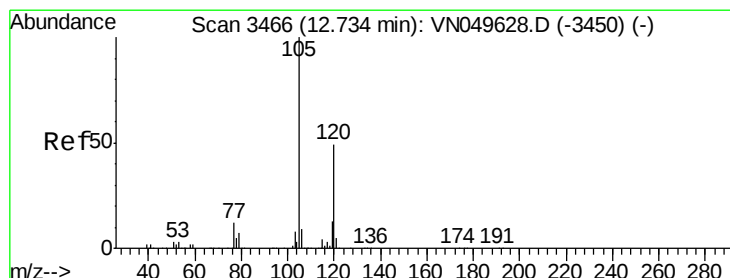
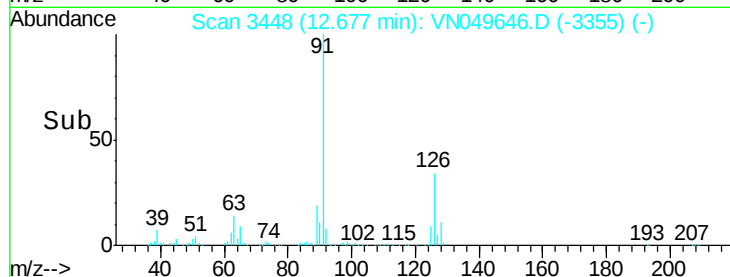
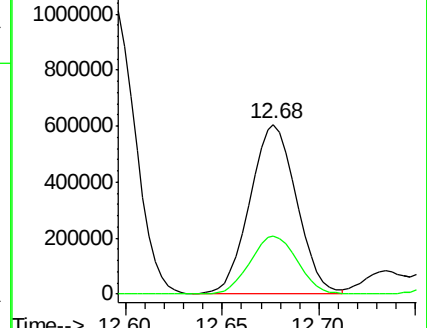
91 100

126 35.0 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049646.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049646.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.66 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049646.D

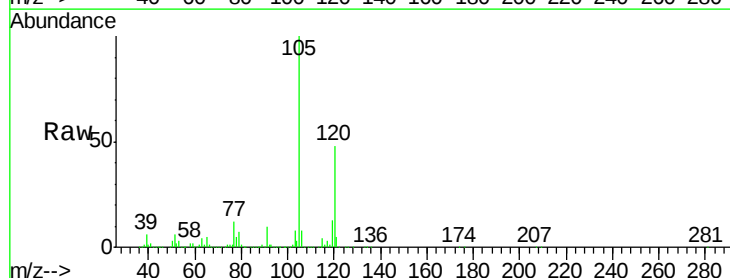
Acq: 30 Jun 2018 14:26

Tgt Ion:105 Resp: 1241761

Ion Ratio Lower Upper

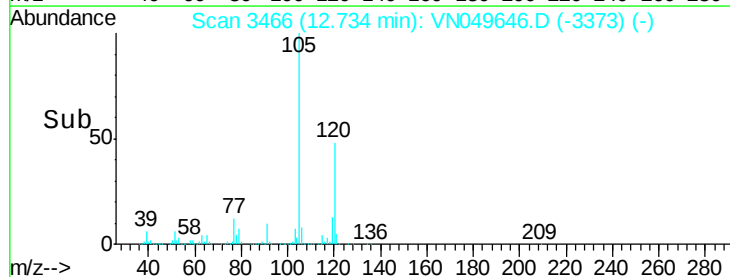
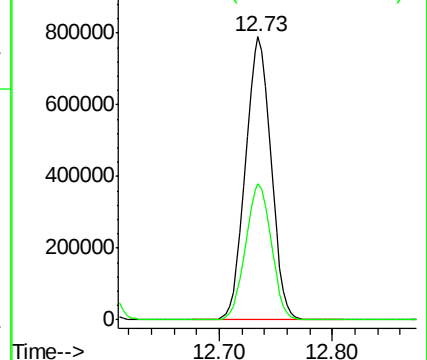
105 100

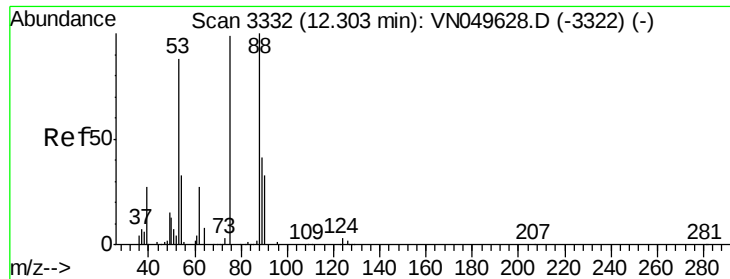
120 48.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049646.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049646.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.90 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

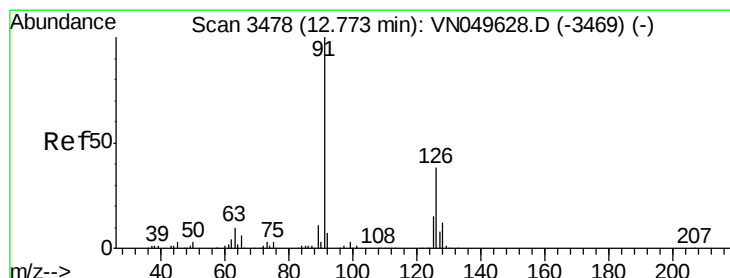
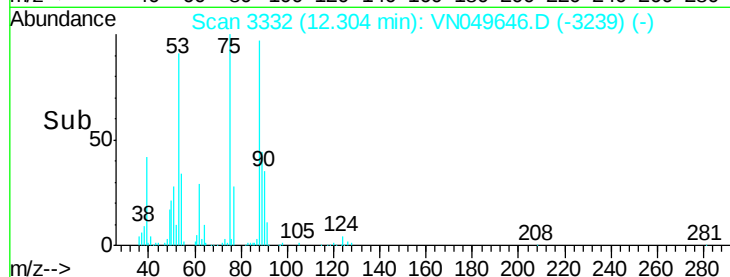
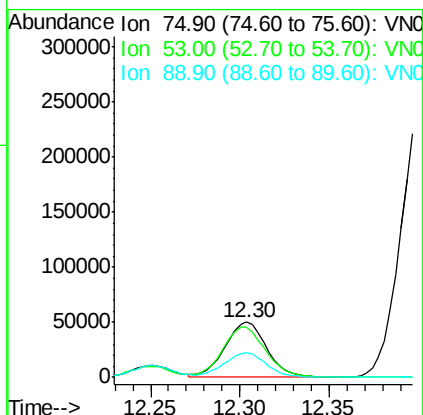
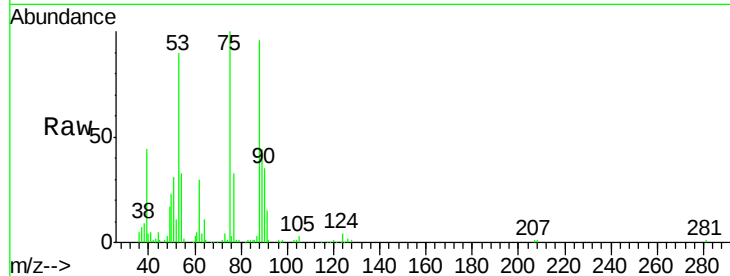
Tot Ion: 75 Resp: 81021

Ion Ratio Lower Upper

75 100

53 95.0 73.9 110.9

89 46.2 35.9 53.9



#82

4-Chlorotoluene

Concen: 19.20 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN049646.D

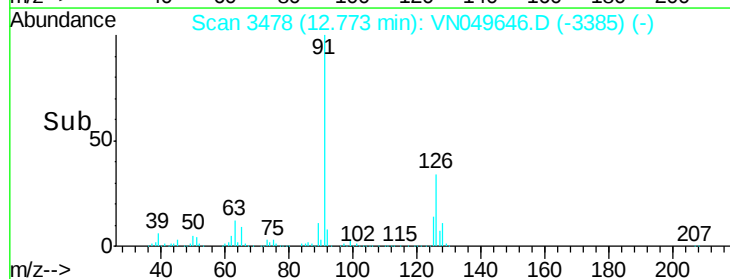
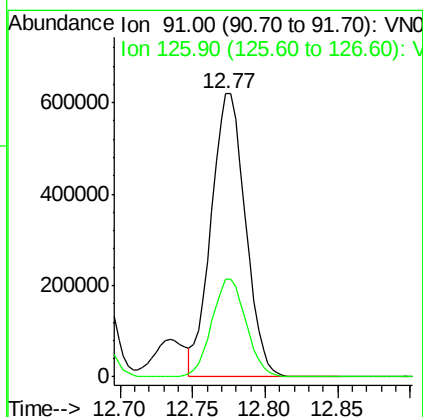
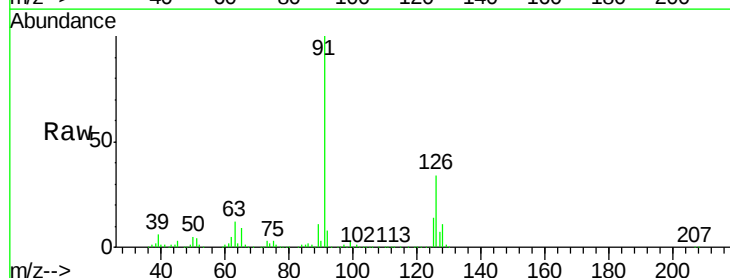
Acq: 30 Jun 2018 14:26

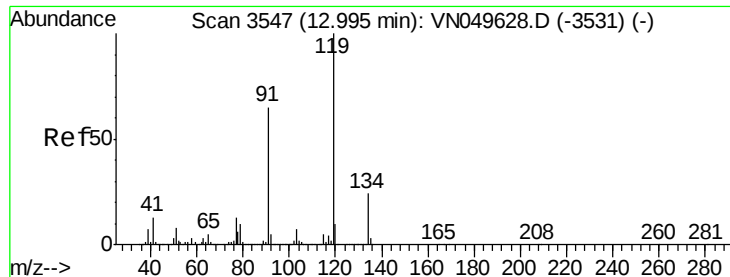
Tgt Ion: 91 Resp: 1012784

Ion Ratio Lower Upper

91 100

126 34.8 17.2 51.6





#83

tert-Butylbenzene

Concen: 19.99 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

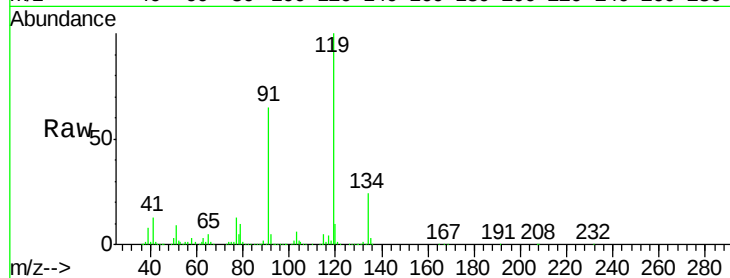
Tot Ion:119 Resp: 1031956

Ion Ratio Lower Upper

119 100

91 64.6 32.0 96.2

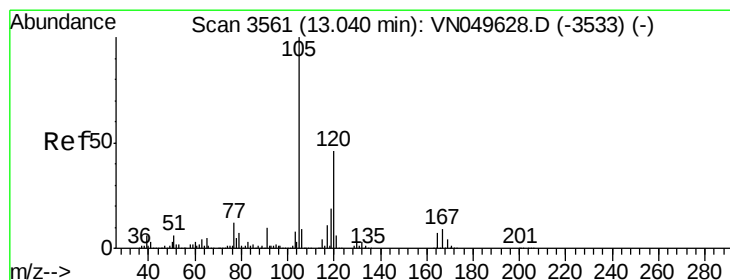
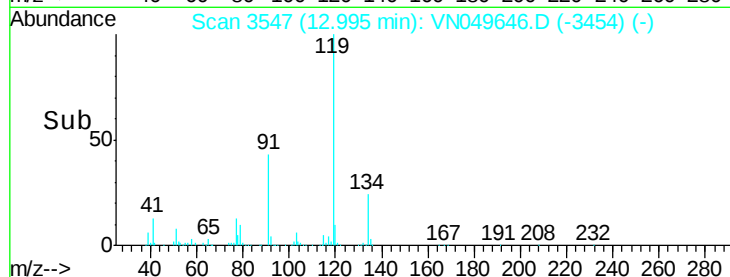
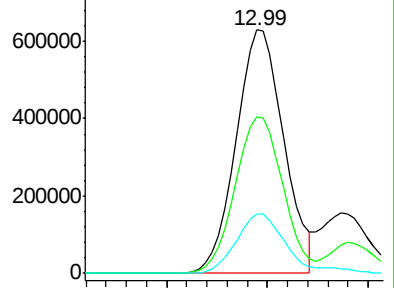
134 25.8 12.8 38.4



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: 20.28 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049646.D

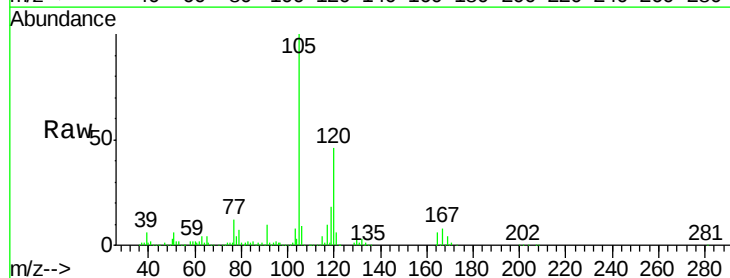
Acq: 30 Jun 2018 14:26

Tgt Ion:105 Resp: 1252349

Ion Ratio Lower Upper

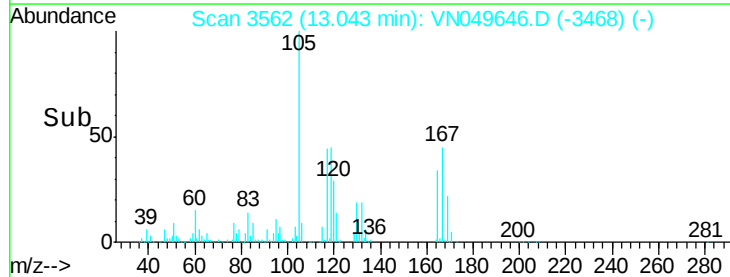
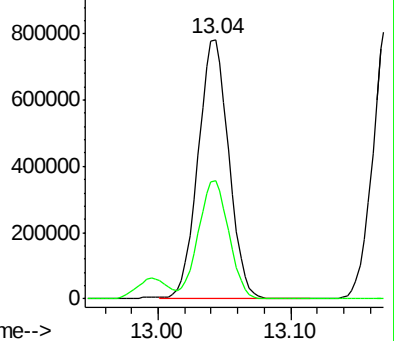
105 100

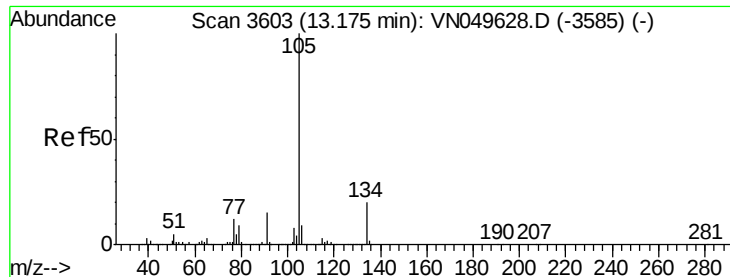
120 45.5 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.62 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

Instrument :

MSVOA_N

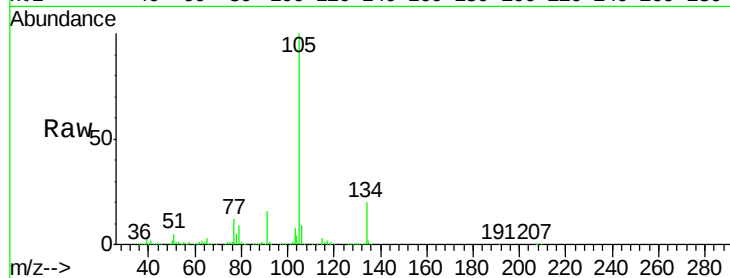
ClientSampleId :

Tot Ion:105 Resp: 1410493

Ion Ratio Lower Upper

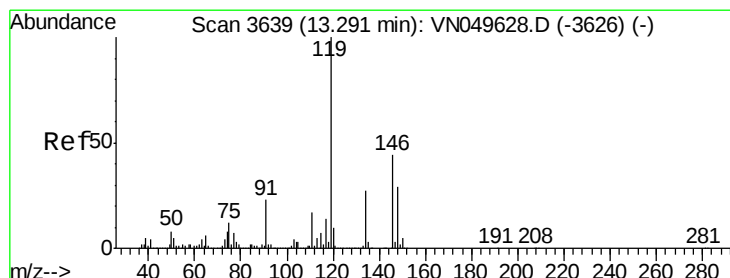
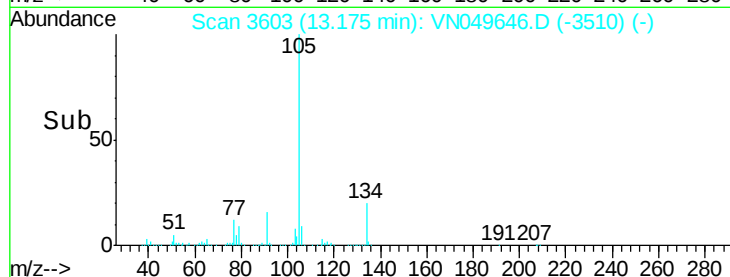
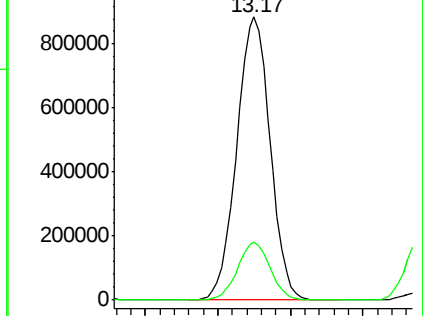
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.63 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049646.D

Acq: 30 Jun 2018 14:26

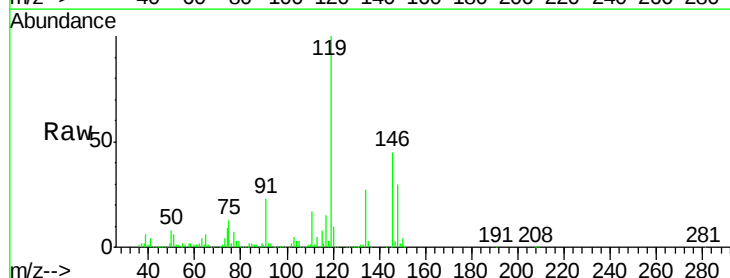
Tgt Ion:119 Resp: 1222412

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

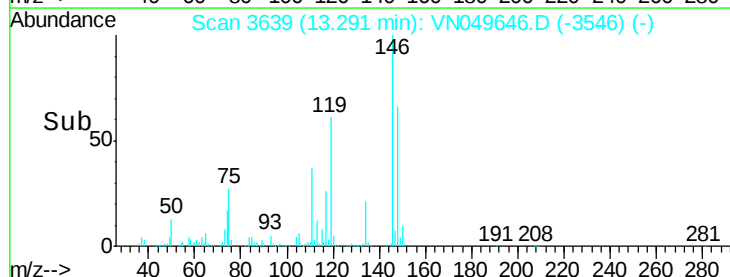
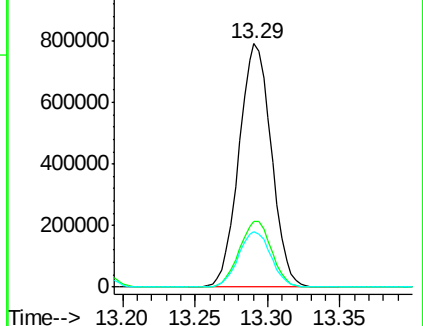
91 22.8 11.4 34.1

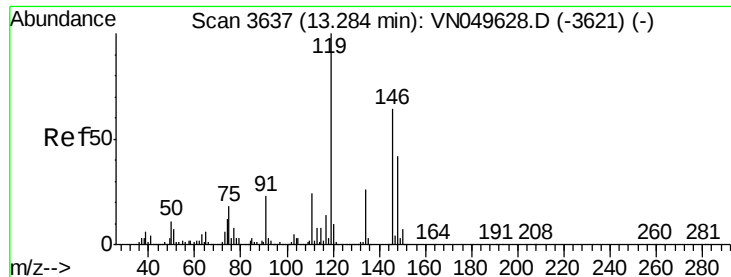


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

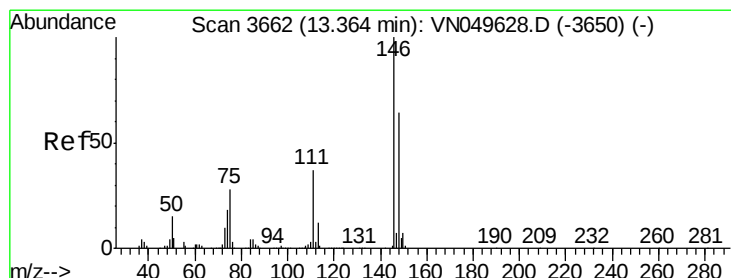
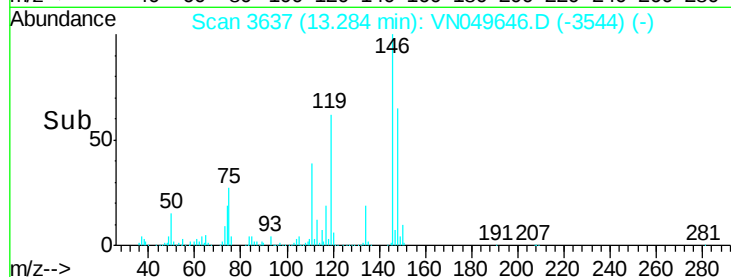
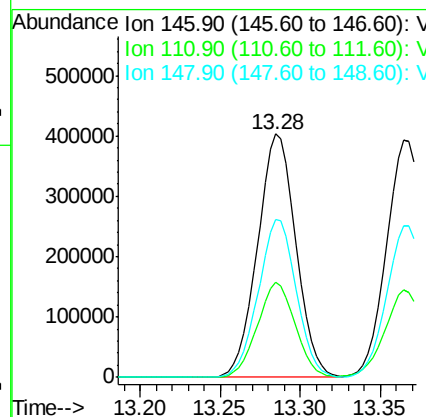
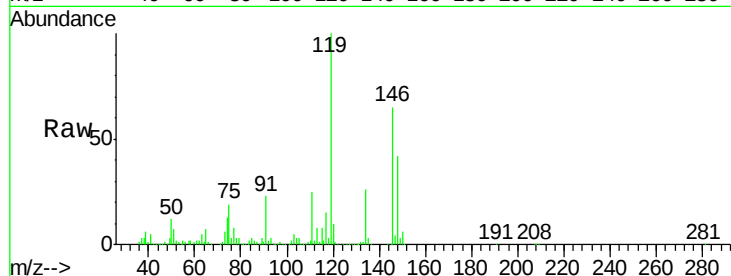




#87
 1,3-Dichlorobenzene
 Concen: 19.60 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

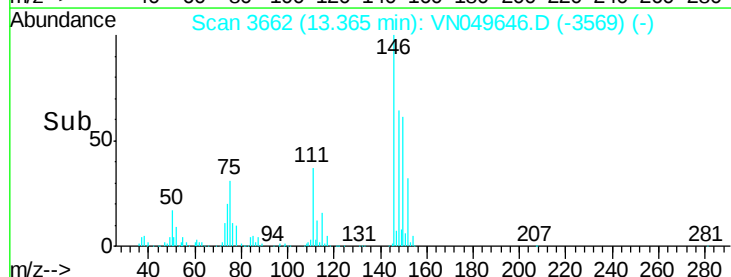
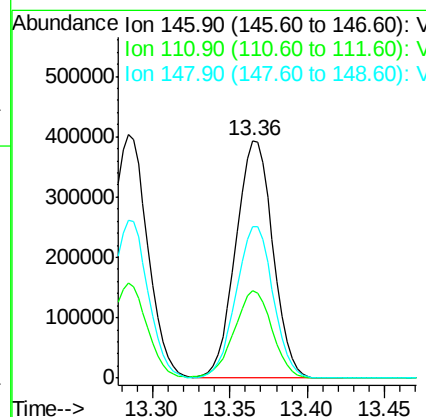
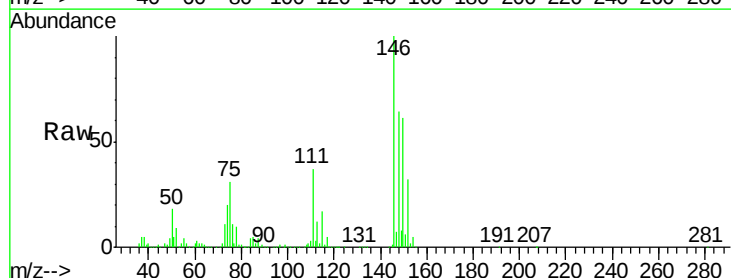
Instrument :
 MSVOA_N
 ClientSampleId :

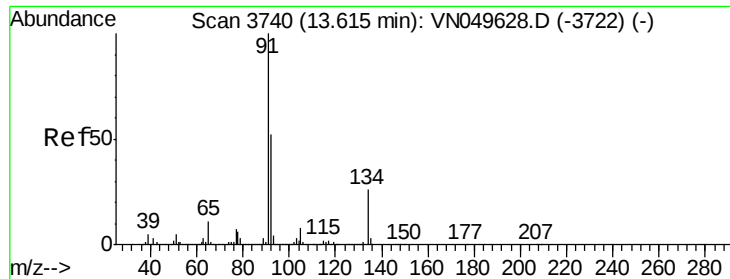
Tot Ion:146 Resp: 664132
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.0 57.0
 148 64.4 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 19.76 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Tgt Ion:146 Resp: 655008
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.5
 148 64.0 32.1 96.3

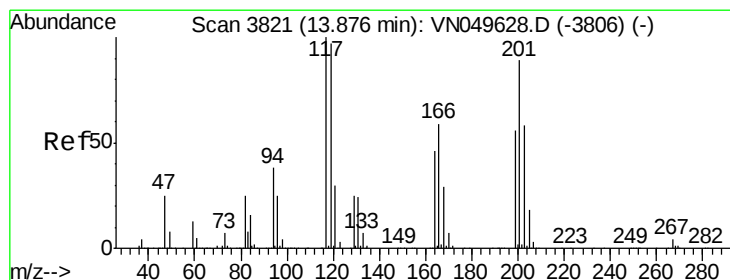
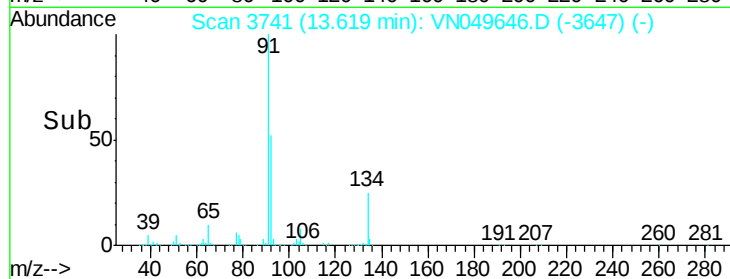
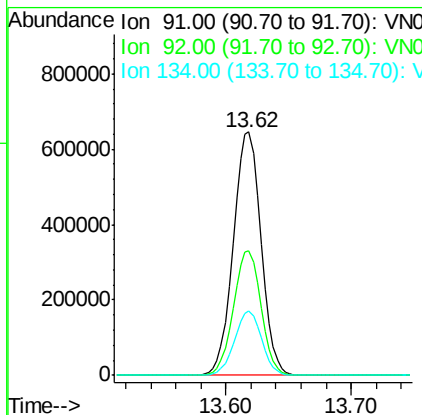
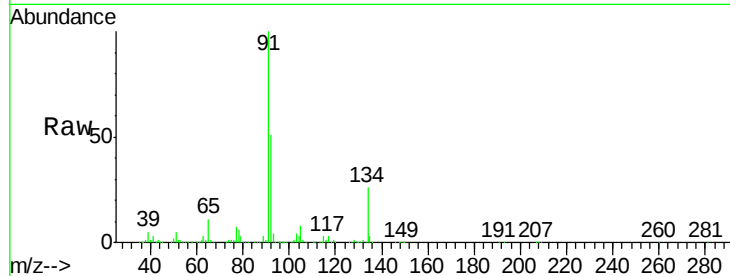




#89
n-Butylbenzene
Concen: 19.50 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

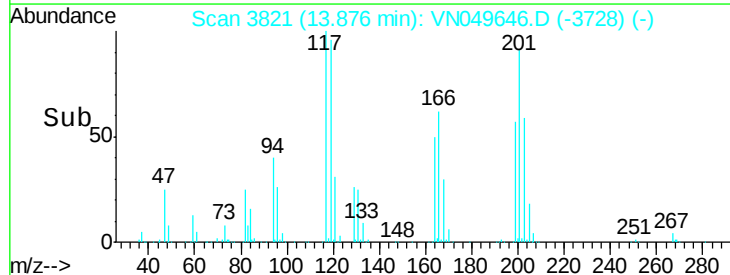
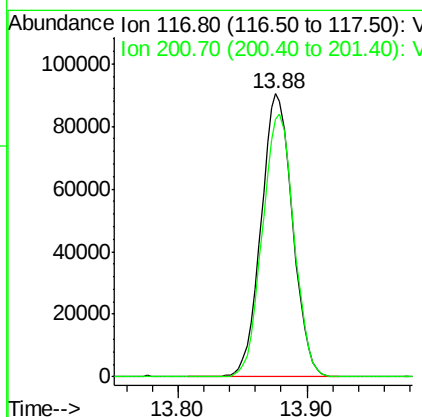
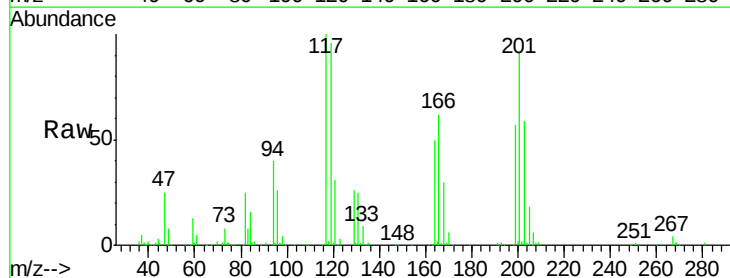
Instrument :
MSVOA_N
ClientSampled :

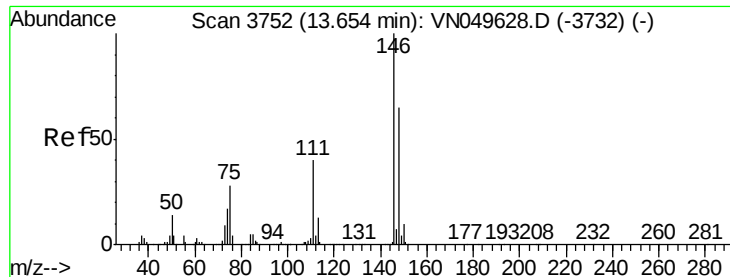
Tot Ion: 91 Resp: 988854
Ion Ratio Lower Upper
91 100
92 51.2 25.8 77.3
134 25.9 13.0 38.9



#90
Hexachloroethane
Concen: 24.72 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion: 117 Resp: 153861
Ion Ratio Lower Upper
117 100
201 92.8 45.3 135.8

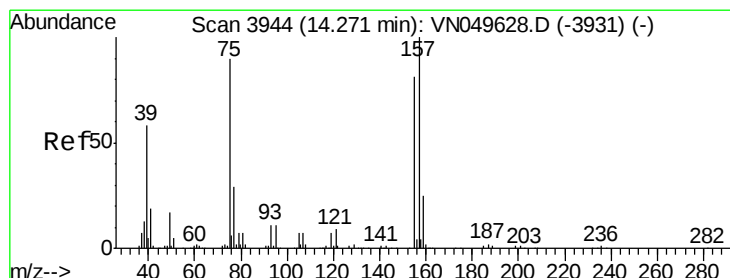
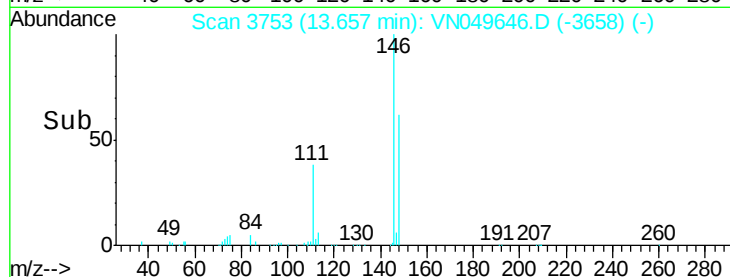
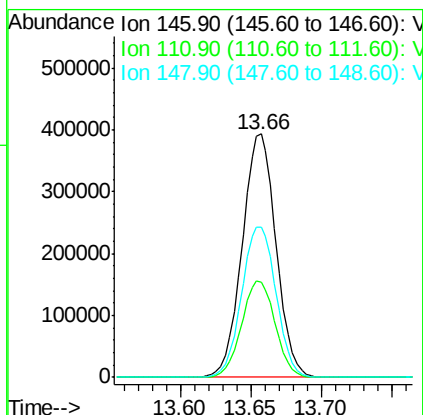
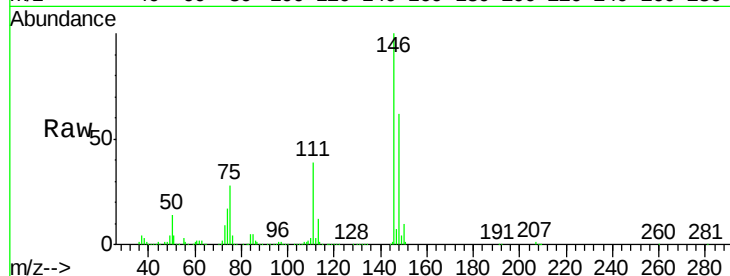




#91
 1,2-Dichlorobenzene
 Concen: 19.94 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

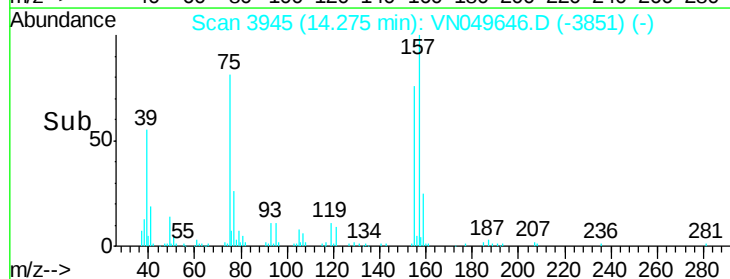
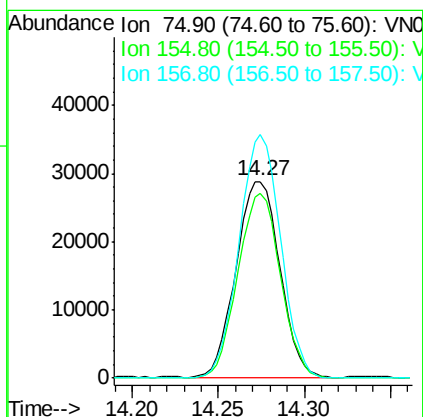
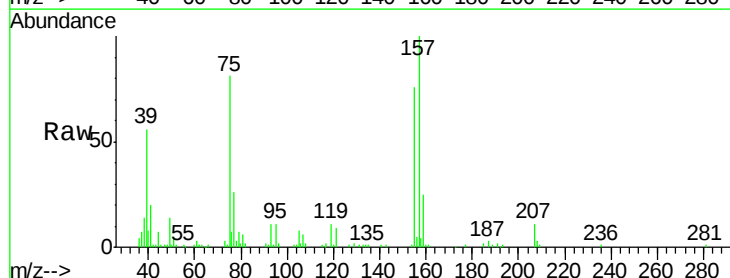
Instrument :
 MSVOA_N
 ClientSampleId :

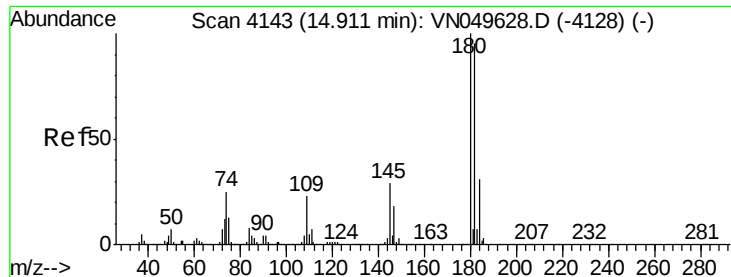
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	63.3	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.70 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	45.7	137.1
157	116.7	56.9	170.7

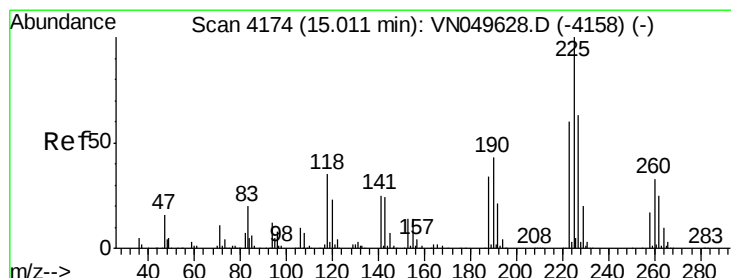
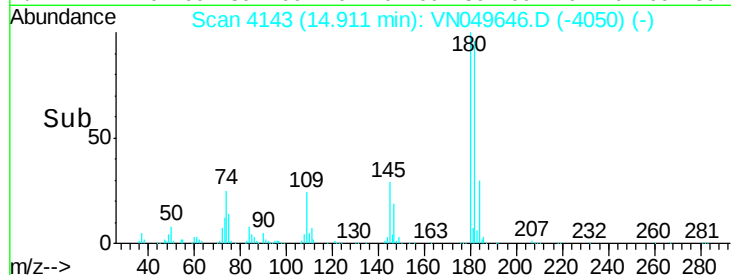
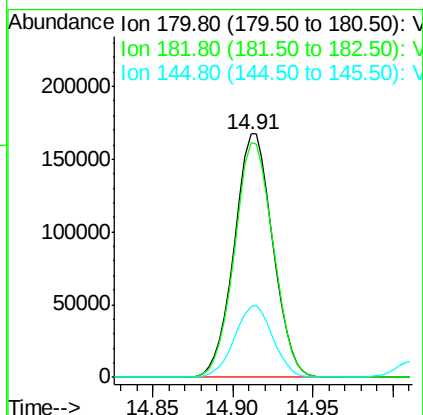
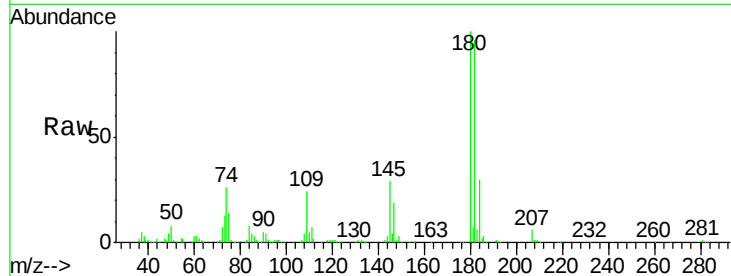




#93
 1,2,4-Trichlorobenzene
 Concen: 18.03 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

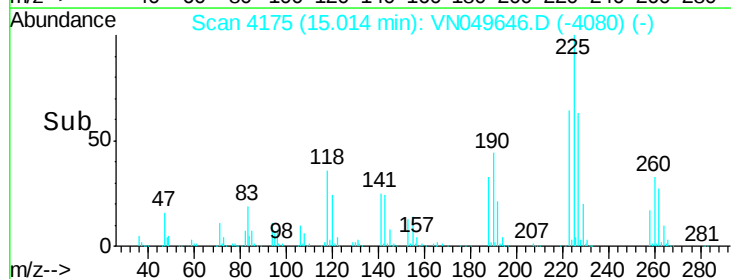
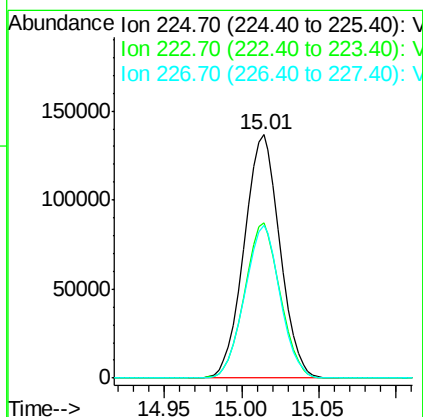
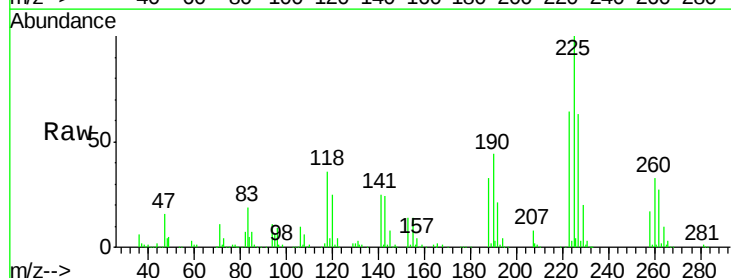
Instrument :
 MSVOA_N
 ClientSampled :

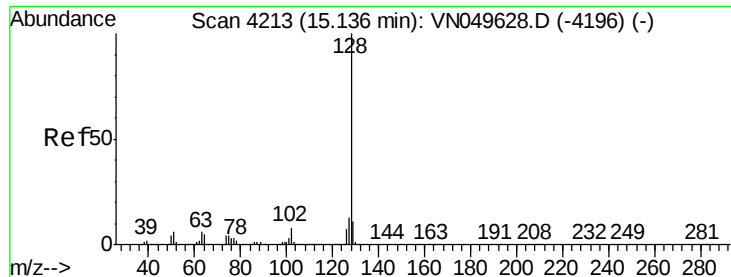
Tot Ion:180 Resp: 274539
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.3 141.9
 145 29.3 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 21.50 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049646.D
 Acq: 30 Jun 2018 14:26

Tgt Ion:225 Resp: 219625
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.7
 227 62.3 31.8 95.4

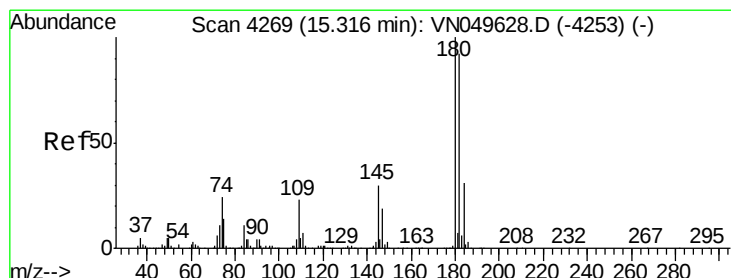
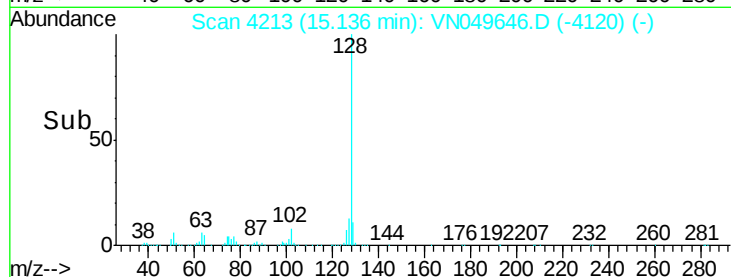
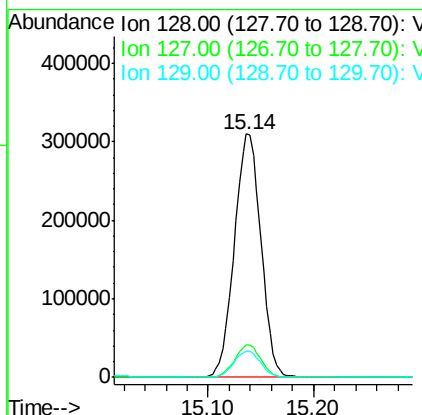
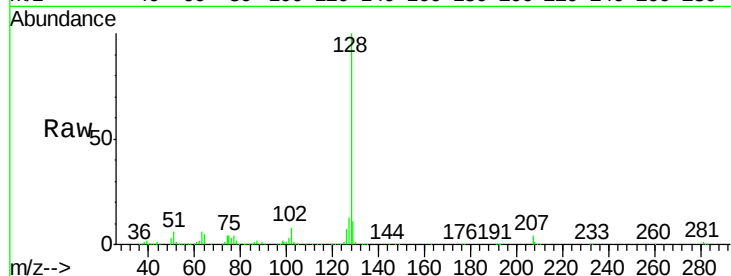




#95
Naphthalene
Concen: 17.51 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 540392
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 18.83 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049646.D
Acq: 30 Jun 2018 14:26

Tgt Ion:180 Resp: 282255
Ion Ratio Lower Upper
180 100
182 96.4 47.4 142.2
145 30.0 15.2 45.6

