

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049685.D
 Acq On : 3 Jul 2018 9:57
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:01:56 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	1314344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1871743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1736911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1018333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	797528	45.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.90%	
35) Dibromofluoromethane	7.59	113	671649	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	10.09	98	2637128	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.40	95	952753	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	706440	47.69	ug/l	97
3) Chloromethane	2.06	50	891638	48.20	ug/l	99
4) Vinyl Chloride	2.18	62	966662	48.65	ug/l	99
5) Bromomethane	2.56	94	460618	44.13	ug/l	98
6) Chloroethane	2.70	64	615864	48.97	ug/l	100
7) Trichlorofluoromethane	3.01	101	1199211	52.84	ug/l	100
8) Diethyl Ether	3.41	74	448352	48.74	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	804432	49.26	ug/l	99
10) Methyl Iodide	3.94	142	969620	47.45	ug/l	97
11) Tert butyl alcohol	4.80	59	271092	272.18	ug/l	99
12) 1,1-Dichloroethene	3.73	96	731106	47.36	ug/l	99
13) Acrolein	3.60	56	202620	217.79	ug/l	99
14) Allyl chloride	4.32	41	1052844	49.65	ug/l	99
15) Acrylonitrile	4.99	53	1360859	264.54	ug/l	100
16) Acetone	3.82	43	1008249	290.54	ug/l	99
17) Carbon Disulfide	4.05	76	2158912	50.82	ug/l	99
18) Methyl Acetate	4.33	43	729525	47.12	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	2000449	50.27	ug/l	98
20) Methylene Chloride	4.55	84	859358	48.08	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	794701	50.02	ug/l	99
22) Diisopropyl ether	5.95	45	2446373	50.99	ug/l	99
23) Vinyl Acetate	5.90	43	8051404	258.80	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1464481	48.45	ug/l	99
25) 2-Butanone	6.84	43	1605859	278.69	ug/l	98
26) 2,2-Dichloropropane	6.82	77	1243384	49.53	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	874786	49.29	ug/l	99
28) Bromochloromethane	7.20	49	634417	49.46	ug/l	99
29) Tetrahydrofuran	7.21	42	1017538	277.06	ug/l	99
30) Chloroform	7.37	83	1507754	48.94	ug/l	98
31) Cyclohexane	7.65	56	1309437	50.55	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1295667	49.67	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1144725	54.36	ug/l	99
37) Ethyl Acetate	6.93	43	692491	56.38	ug/l	99
38) Carbon Tetrachloride	7.77	117	1088127	53.12	ug/l	100

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 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)
39) Methylcyclohexane	9.08	83	1274605	55.21	ug/l	97
40) Benzene	8.04	78	3403438	52.93	ug/l	99
41) Methacrylonitrile	7.17	41	326476	47.15	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	1072409	52.26	ug/l	100
43) Isopropyl Acetate	8.17	43	1315072	53.97	ug/l #	88
44) Trichloroethene	8.83	130	988537	50.98	ug/l	99
45) 1,2-Dichloropropane	9.12	63	890358	53.59	ug/l	100
46) Dibromomethane	9.21	93	536670	53.40	ug/l	99
47) Bromodichloromethane	9.40	83	1152068	53.85	ug/l	99
48) Methyl methacrylate	9.20	41	639388	58.58	ug/l	98
49) 1,4-Dioxane	9.20	88	172050	1172.51	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	3562340	295.82	ug/l	100
52) Toluene	10.16	92	2117801	54.52	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1132293	55.27	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1310440	54.73	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	763338	52.77	ug/l	98
56) Ethyl methacrylate	10.43	69	995163	58.70	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1285122	54.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	2333383	263.46	ug/l	100
59) 2-Hexanone	10.75	43	2514517	315.77	ug/l	99
60) Dibromochloromethane	10.90	129	875101	55.98	ug/l	98
61) 1,2-Dibromoethane	11.01	107	756949	54.62	ug/l	99
64) Tetrachloroethene	10.63	164	1210737	51.48	ug/l	99
65) Chlorobenzene	11.44	112	2310805	51.00	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	847767	52.07	ug/l	99
67) Ethyl Benzene	11.51	91	4031933	53.83	ug/l	100
68) m/p-Xylenes	11.62	106	3197378	111.39	ug/l	100
69) o-Xylene	11.95	106	1510641	54.97	ug/l	98
70) Styrene	11.97	104	2534988	57.01	ug/l	100
71) Bromoform	12.13	173	606839	56.09	ug/l #	99
73) Isopropylbenzene	12.25	105	4007586	49.41	ug/l	100
74) N-amyl acetate	12.07	43	1152867	52.03	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	899016	53.47	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	1194061	73.11	ug/l #	100
77) Bromobenzene	12.53	156	1023612	46.41	ug/l	99
78) n-propylbenzene	12.59	91	4818300	51.83	ug/l	100
79) 2-Chlorotoluene	12.68	91	2832100	48.14	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3506291	52.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	246829	51.33	ug/l	98
82) 4-Chlorotoluene	12.78	91	2907572	49.15	ug/l	100
83) tert-Butylbenzene	13.00	119	2923910	50.50	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3616152	52.21	ug/l	100
85) sec-Butylbenzene	13.17	105	4006504	52.22	ug/l	100
86) p-Isopropyltoluene	13.29	119	3601358	54.20	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	1937565	51.89	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1889016	51.50	ug/l	100
89) n-Butylbenzene	13.62	91	3029917	53.26	ug/l	100
90) Hexachloroethane	13.88	117	364675	52.25	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1884875	52.60	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	151921	53.80	ug/l	98

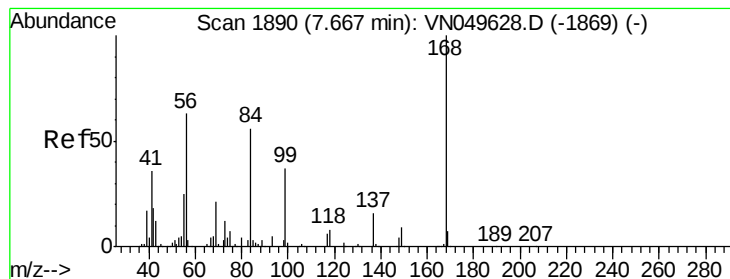
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	886326	47.37	ug/l	100
94) Hexachlorobutadiene	15.01	225	597349	55.47	ug/l	99
95) Naphthalene	15.14	128	1873426	45.68	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	874432	49.11	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: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

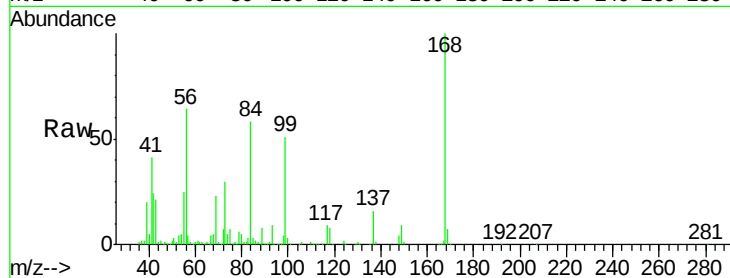
ClientSampled :

Tot Ion:168 Resp: 1314344

Ion Ratio Lower Upper

168 100

99 50.5 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

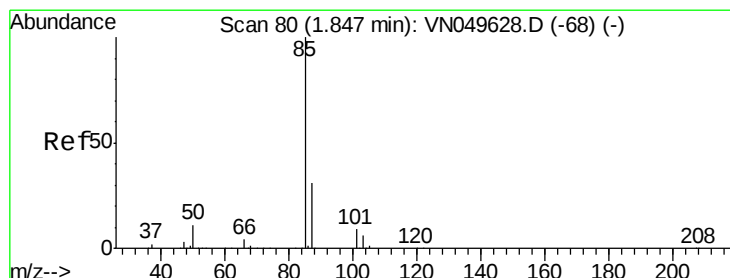
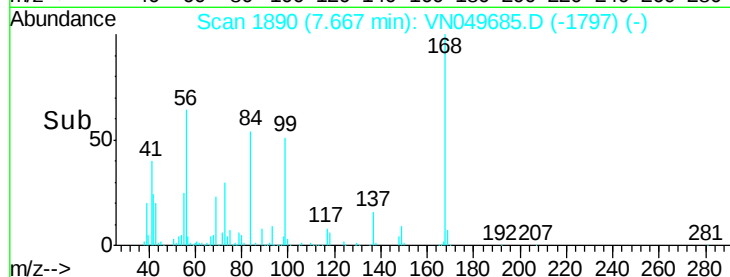
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.69 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049685.D

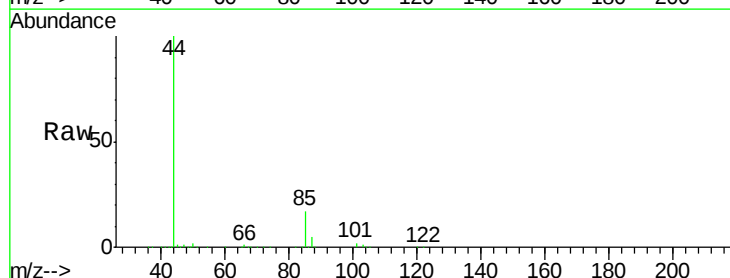
Acq: 3 Jul 2018 9:57

Tgt Ion: 85 Resp: 706440

Ion Ratio Lower Upper

85 100

87 32.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

600000

500000

400000

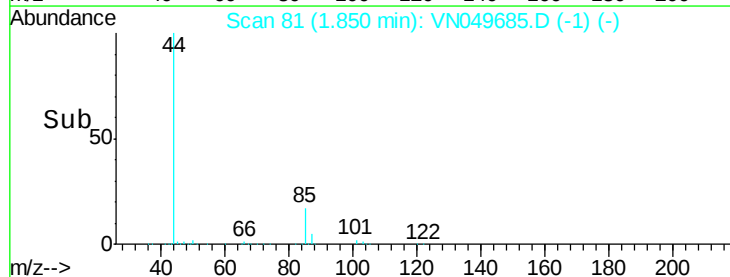
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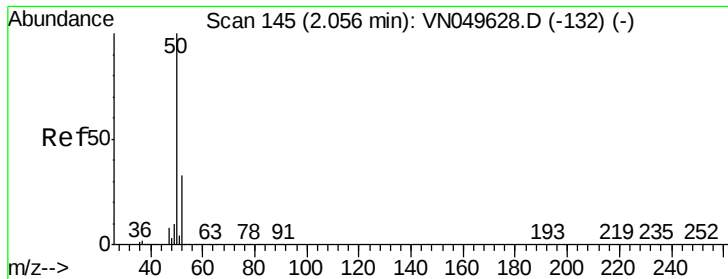
200000

100000

0

Time-->





#3

Chloromethane

Concen: 48.20 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

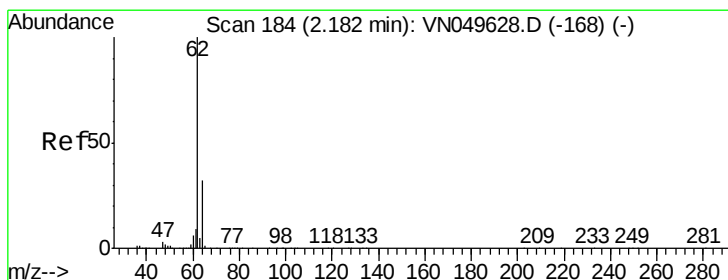
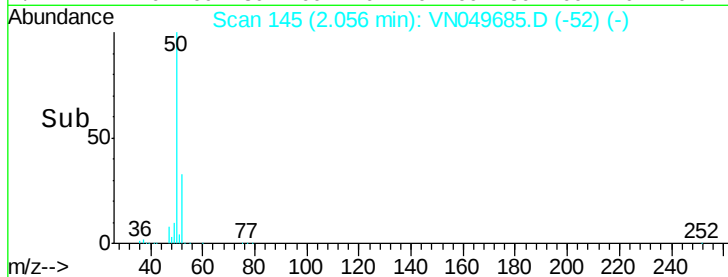
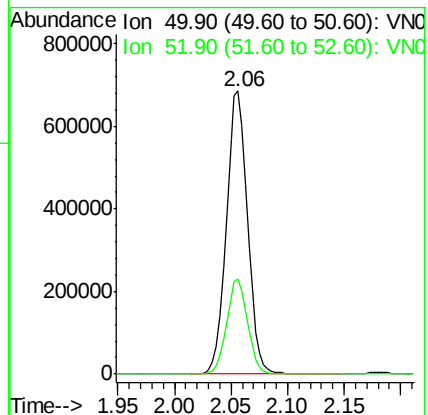
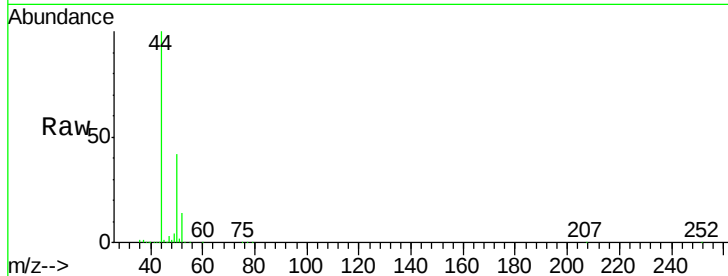
ClientSampleId :

Tot Ion: 50 Resp: 891638

Ion Ratio Lower Upper

50 100

52 33.4 26.1 39.1



#4

Vinyl Chloride

Concen: 48.65 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN049685.D

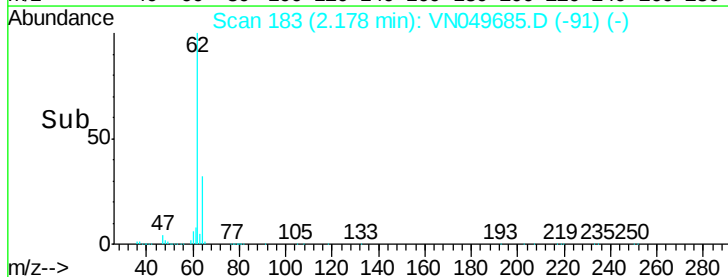
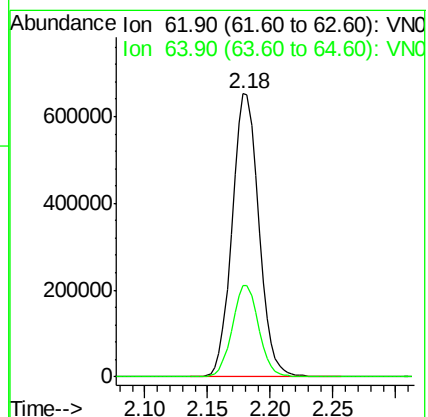
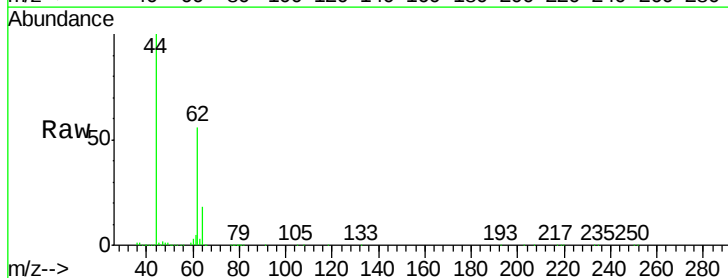
Acq: 3 Jul 2018 9:57

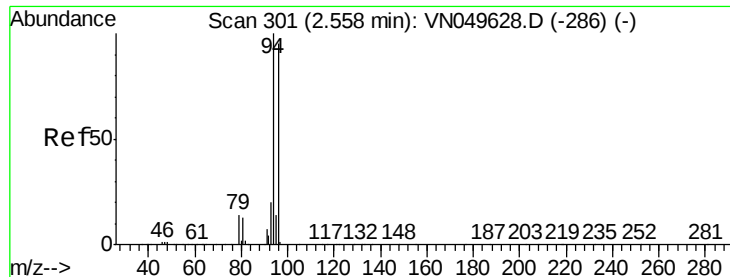
Tgt Ion: 62 Resp: 966662

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0





#5

Bromomethane

Concen: 44.13 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

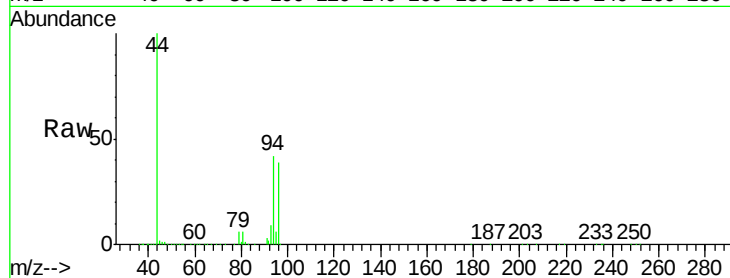
ClientSampleId :

Tot Ion: 94 Resp: 460618

Ion Ratio Lower Upper

94 100

96 92.5 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

250000

200000

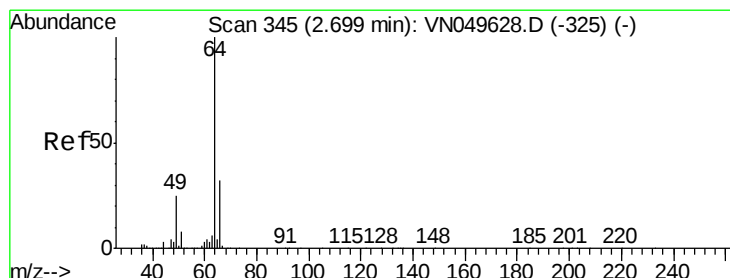
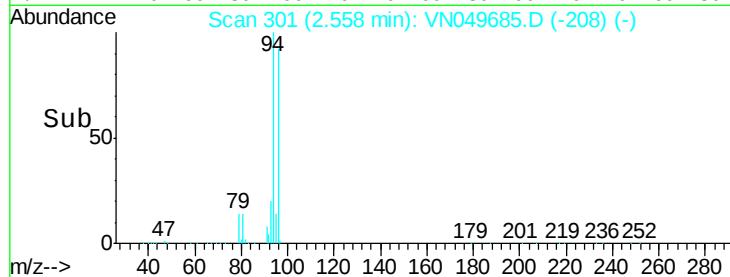
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.97 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN049685.D

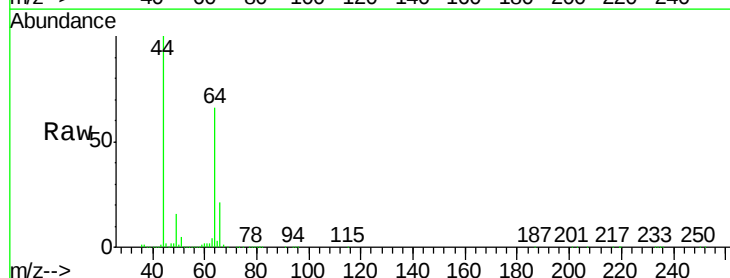
Acq: 3 Jul 2018 9:57

Tgt Ion: 64 Resp: 615864

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

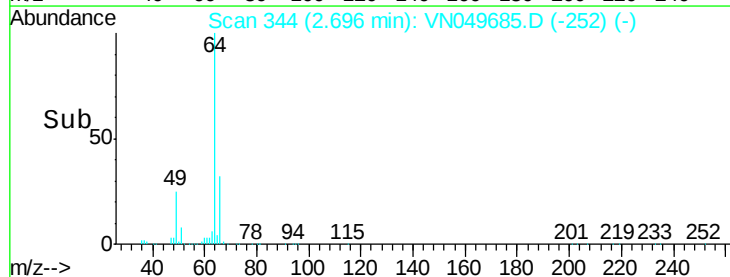
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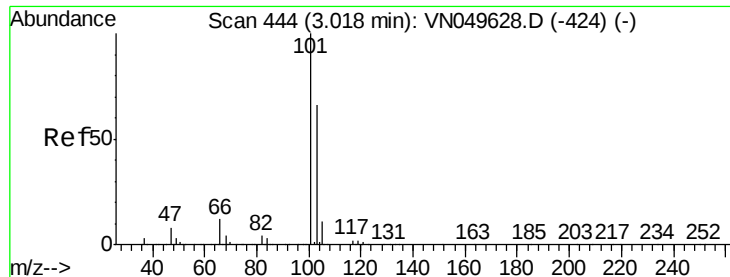
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100000

0

Time-->



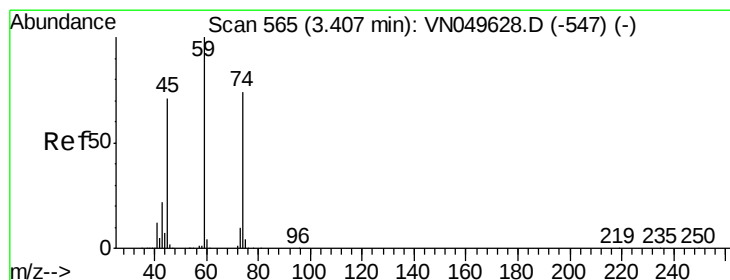
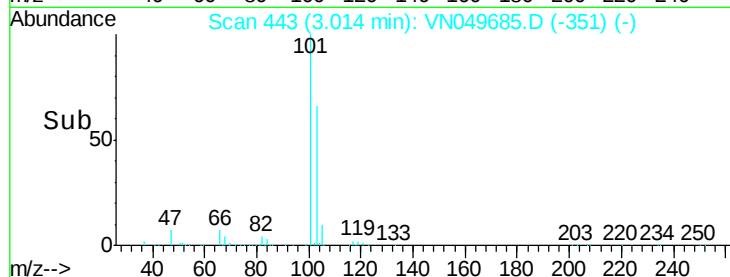
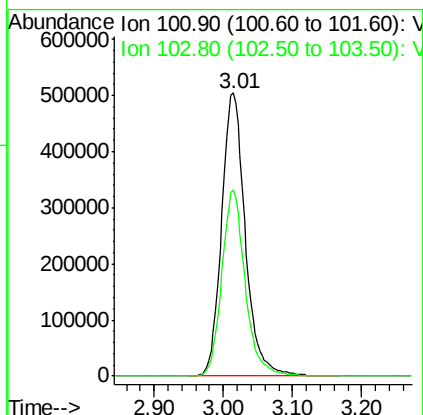
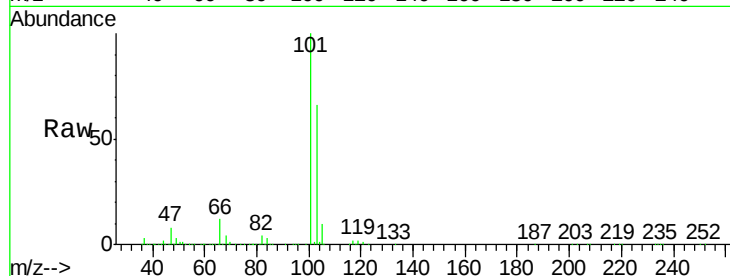


#7

Trichlorofluoromethane
Concen: 52.84 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampled :

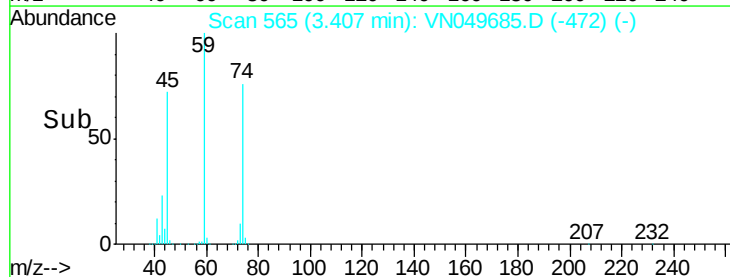
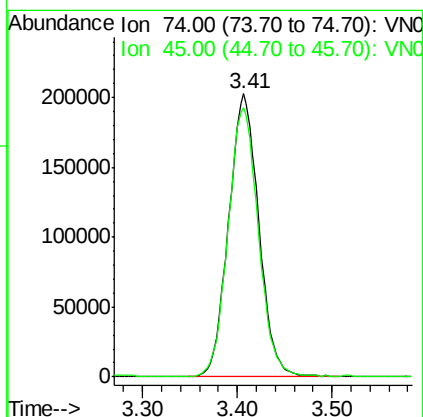
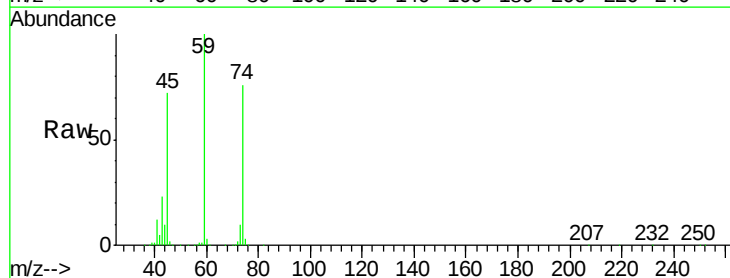
Tot Ion:101 Resp: 1199211
Ion Ratio Lower Upper
101 100
103 65.6 52.8 79.2

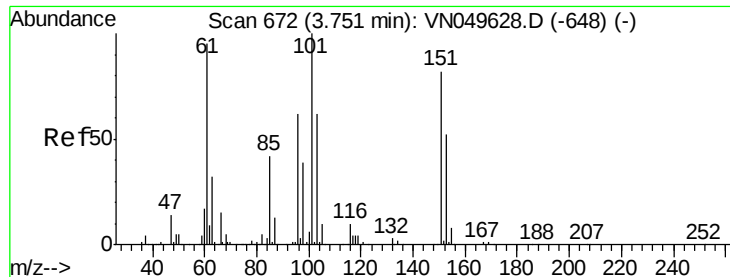


#8

Diethyl Ether
Concen: 48.74 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 74 Resp: 448352
Ion Ratio Lower Upper
74 100
45 95.3 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.26 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

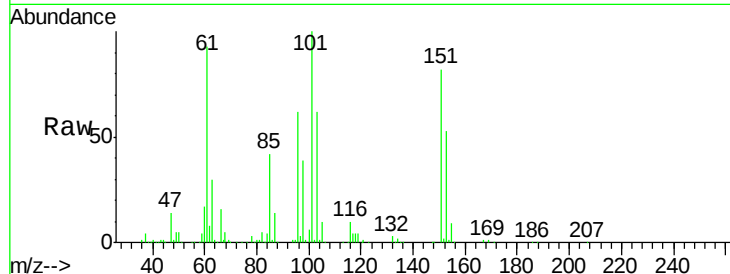
Tot Ion:101 Resp: 804432

Ion Ratio Lower Upper

101 100

85 42.9 34.4 51.6

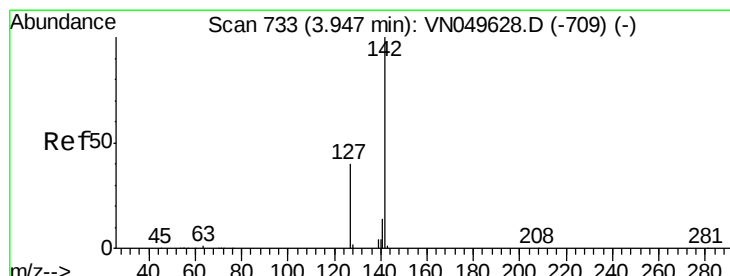
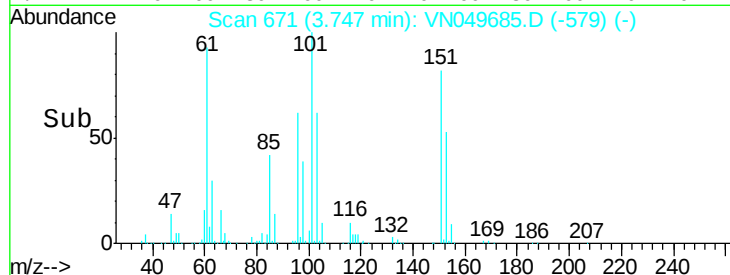
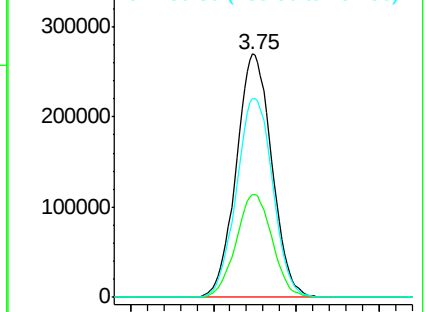
151 83.6 66.2 99.4



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: 47.45 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

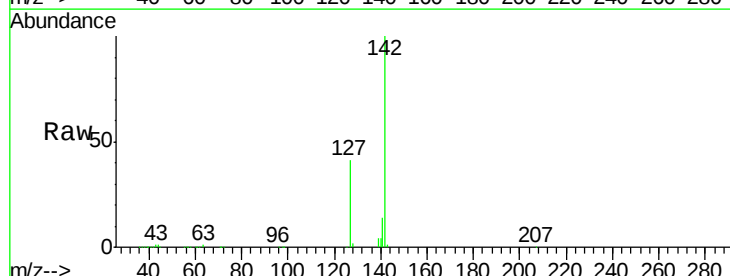
Tgt Ion:142 Resp: 969620

Ion Ratio Lower Upper

142 100

127 42.4 32.5 48.7

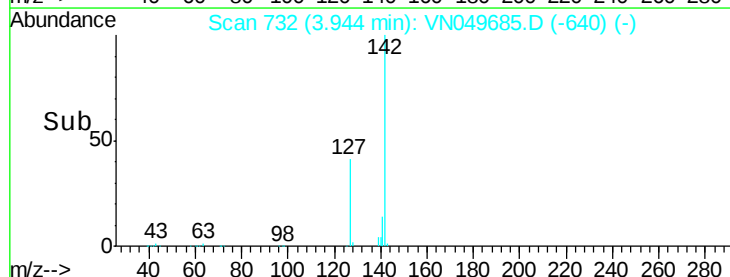
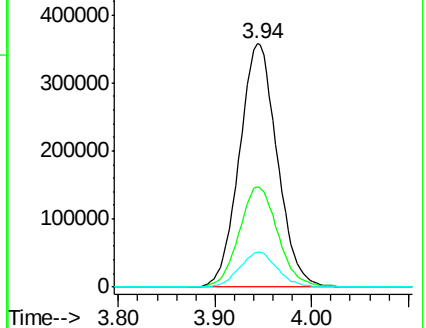
141 14.5 11.1 16.7

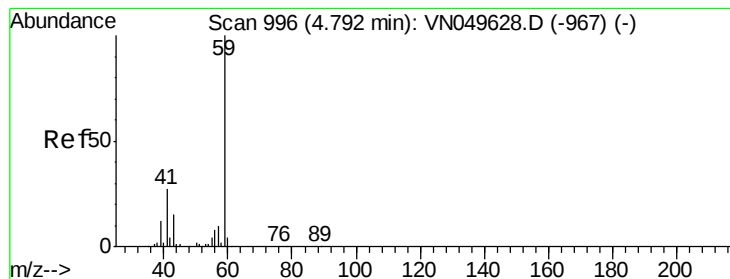


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



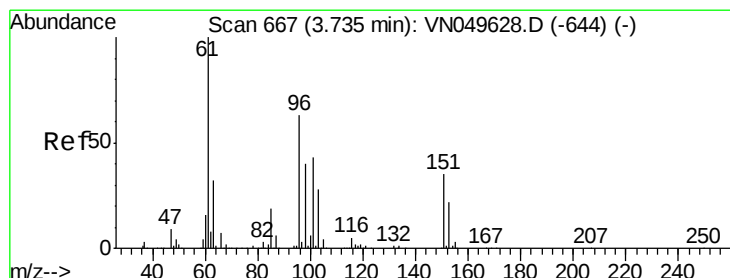
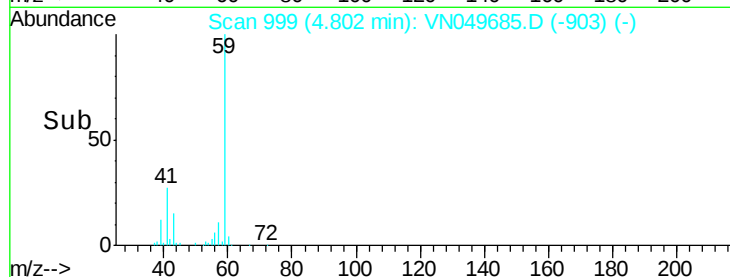
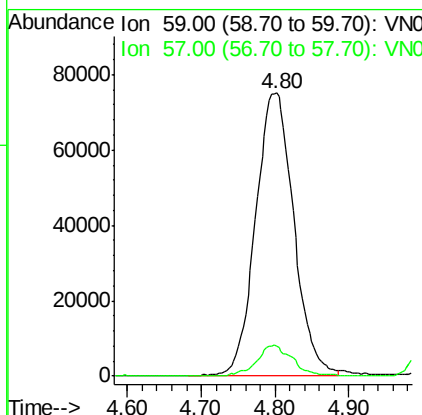
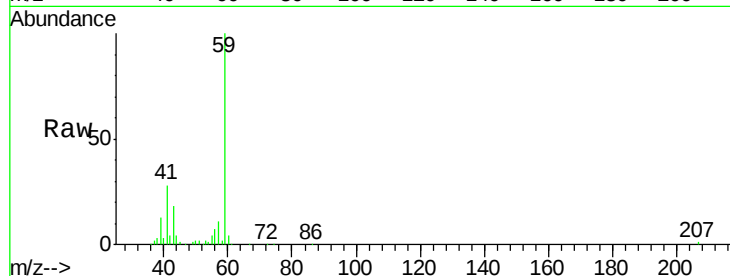


#11

Tert butyl alcohol
 Concen: 272.18 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :

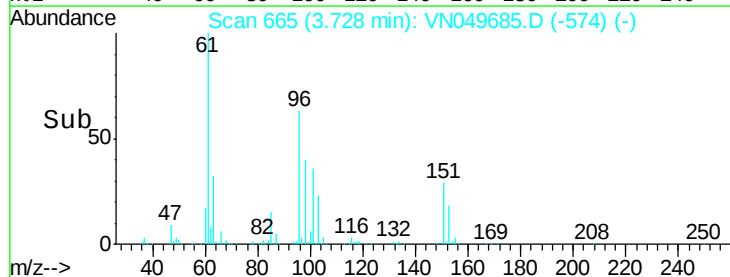
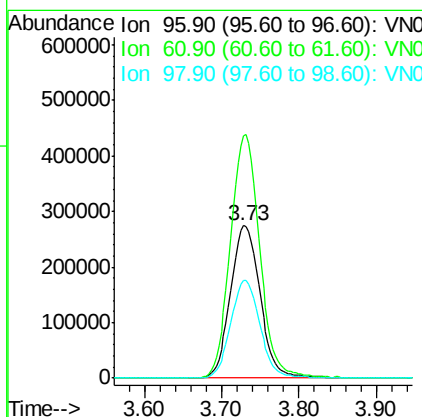
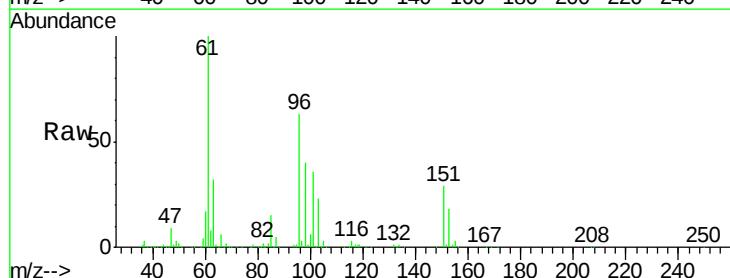
Tot Ion: 59 Resp: 271092
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.5 12.7

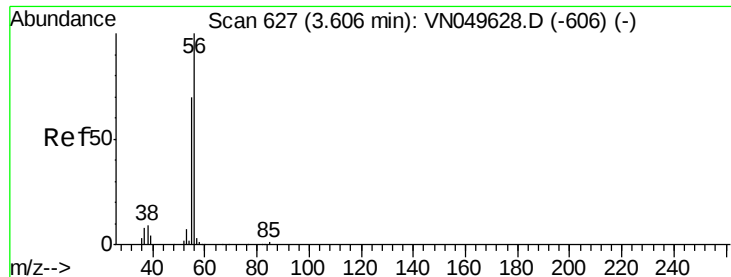


#12

1,1-Dichloroethene
 Concen: 47.36 ug/l
 RT: 3.73 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion: 96 Resp: 731106
 Ion Ratio Lower Upper
 96 100
 61 158.9 126.5 189.7
 98 64.1 51.0 76.6

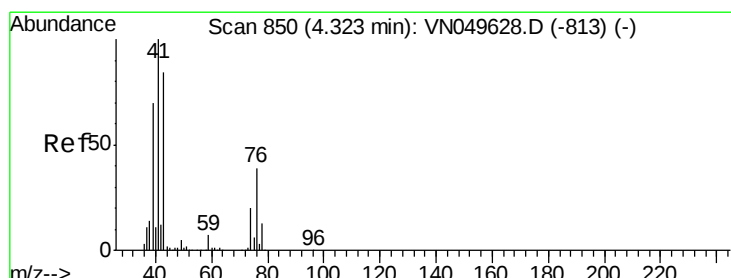
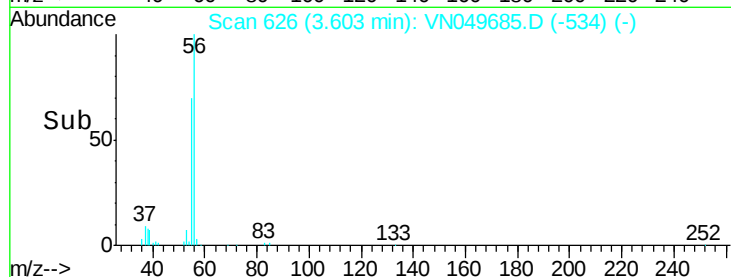
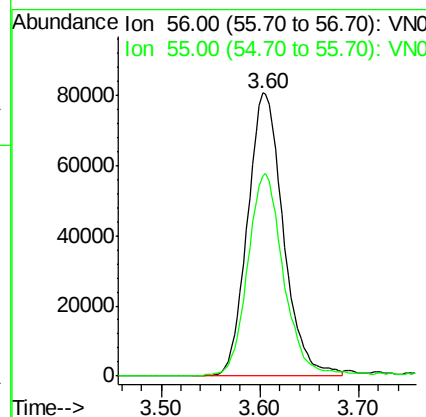
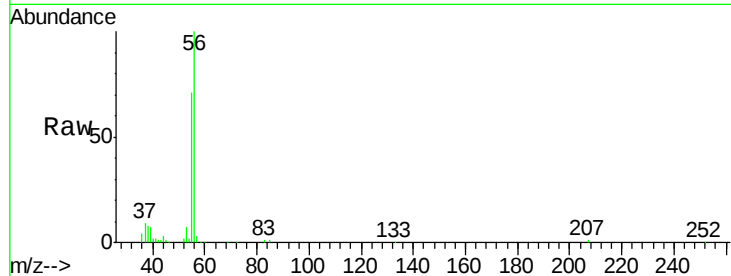




#13
 Acrolein
 Concen: 217.79 ug/l
 RT: 3.60 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

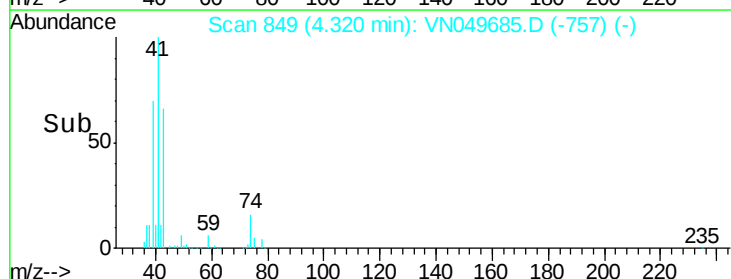
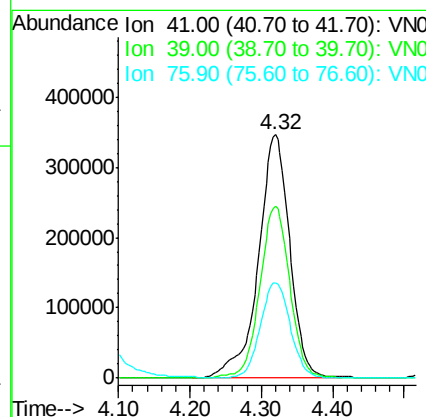
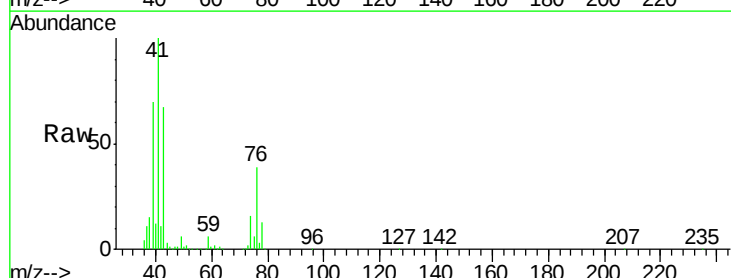
Instrument :
 MSVOA_N
 ClientSampleId :

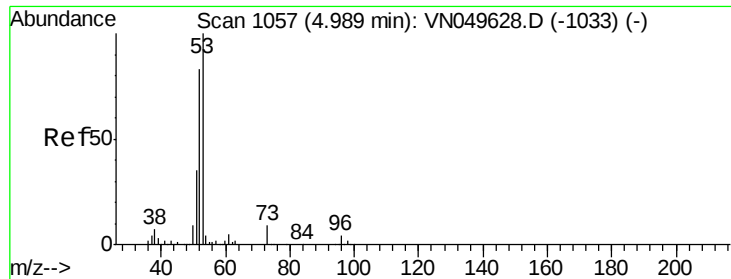
Tot Ion: 56 Resp: 202620
 Ion Ratio Lower Upper
 56 100
 55 70.5 55.8 83.8



#14
 Allyl chloride
 Concen: 49.65 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion: 41 Resp: 1052844
 Ion Ratio Lower Upper
 41 100
 39 67.7 53.2 79.8
 76 36.7 29.0 43.6





#15

Acrylonitrile

Concen: 264.54 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

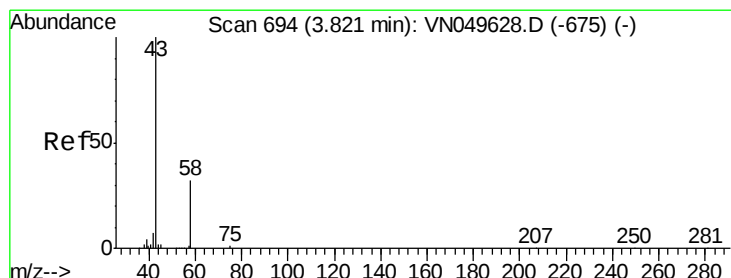
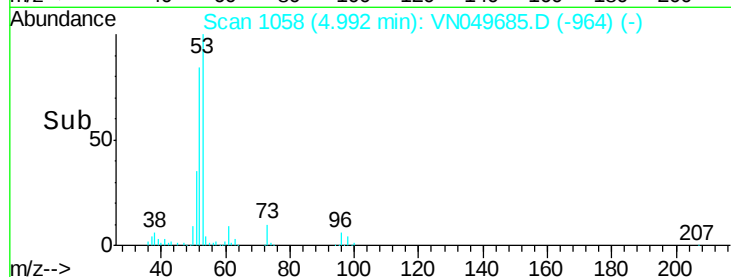
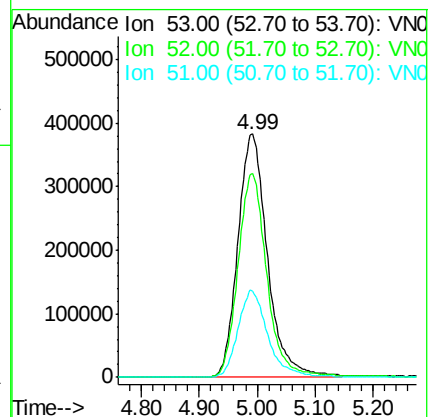
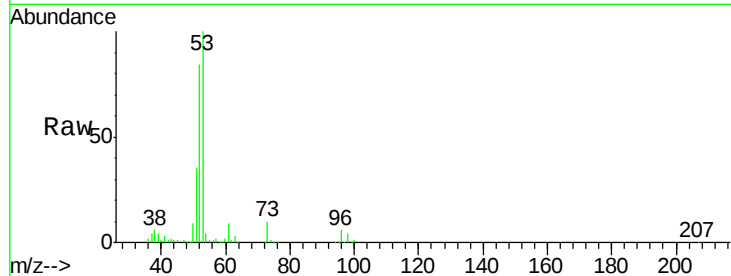
Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 1360859

Ion	Ratio	Lower	Upper
53	100		
52	81.1	64.8	97.2
51	36.3	28.9	43.3



#16

Acetone

Concen: 290.54 ug/l

RT: 3.82 min Scan# 693

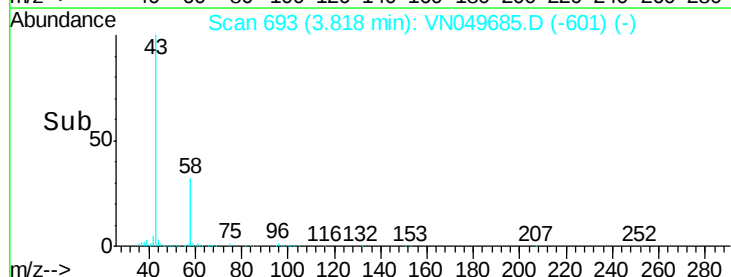
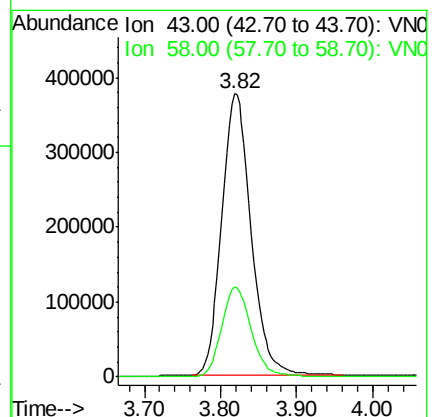
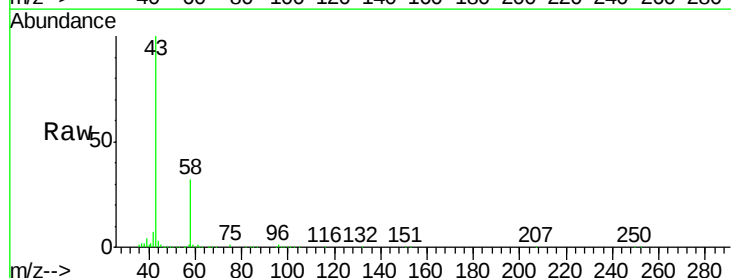
Delta R.T. -0.00 min

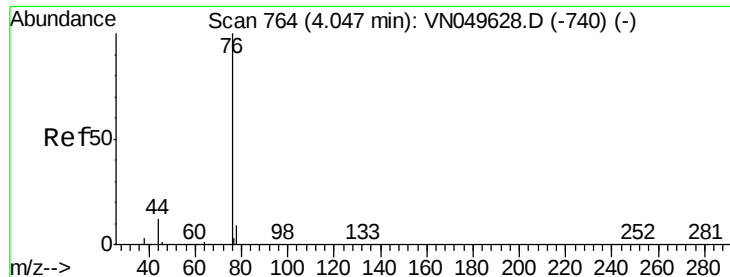
Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Tgt Ion: 43 Resp: 1008249

Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.9	38.9

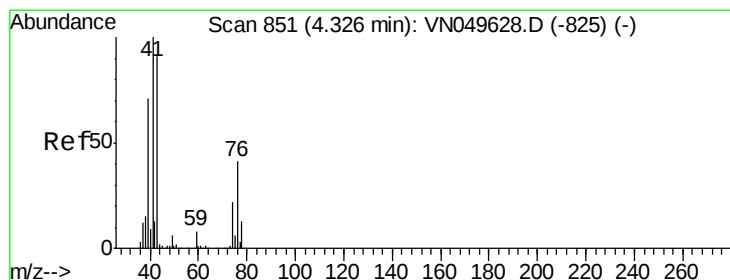
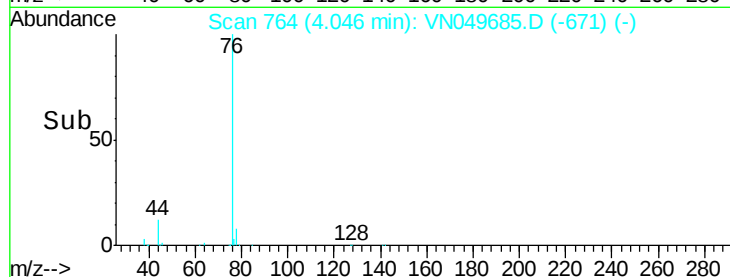
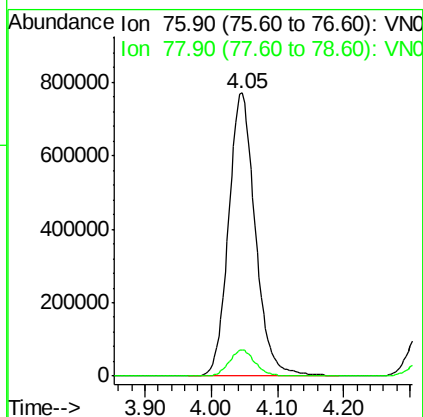
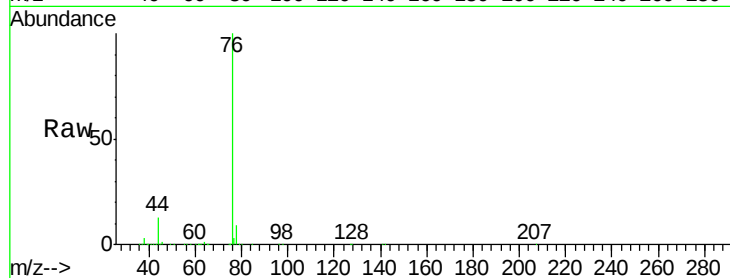




#17
Carbon Disulfide
Concen: 50.82 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

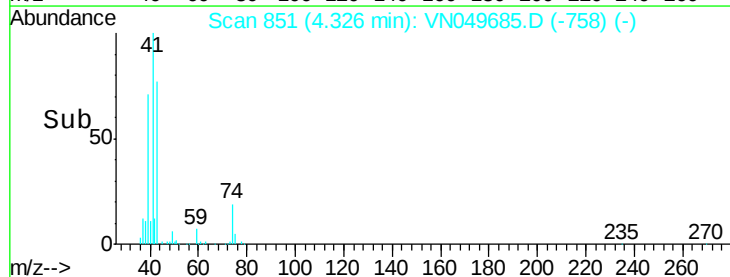
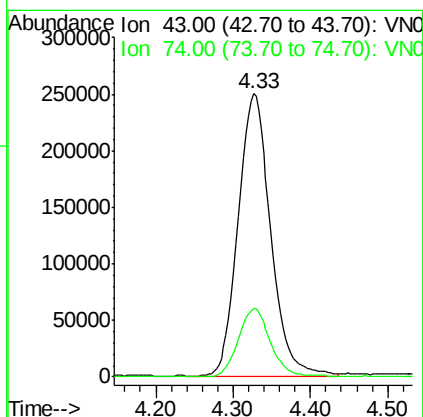
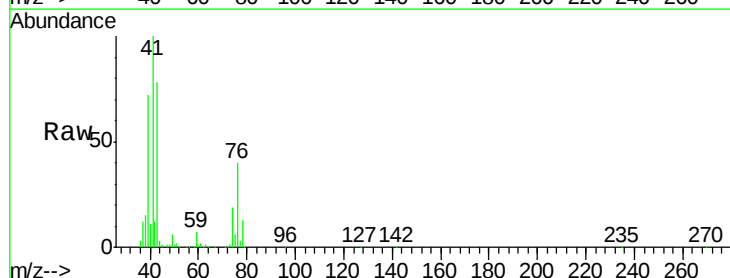
Instrument :
MSVOA_N
ClientSampled :

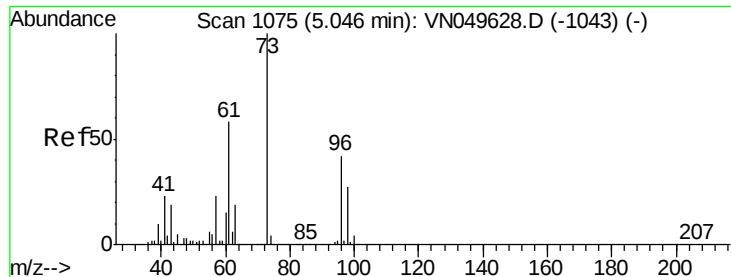
Tot Ion: 76 Resp: 2158912
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7



#18
Methyl Acetate
Concen: 47.12 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 43 Resp: 729525
Ion Ratio Lower Upper
43 100
74 23.8 19.8 29.8

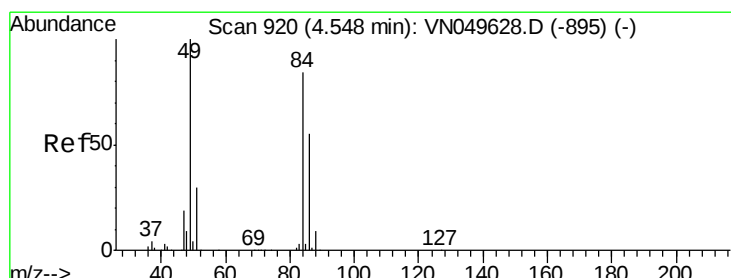
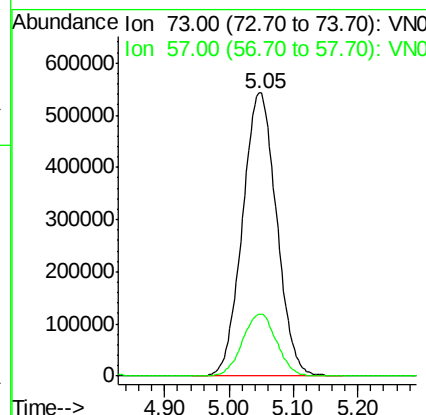
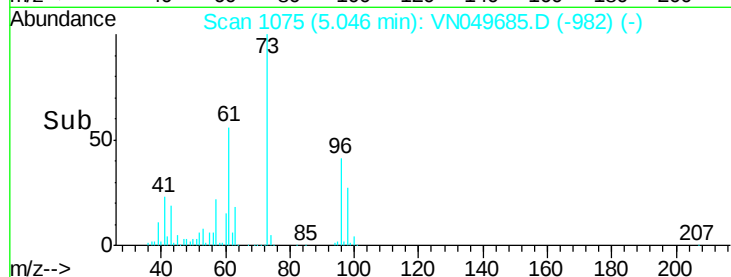
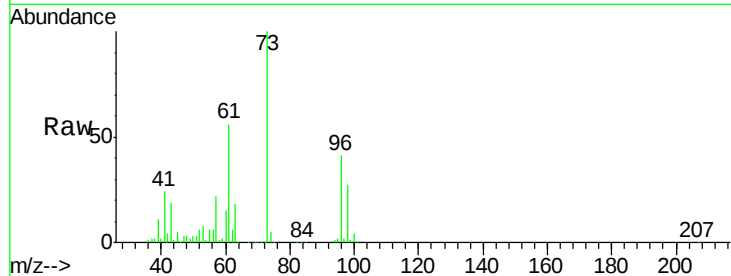




#19
Methvl tert-butvl Ether
Concen: 50.27 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

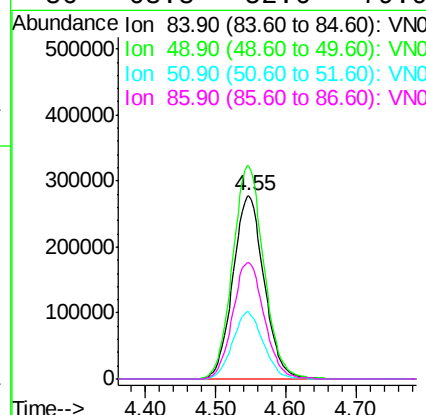
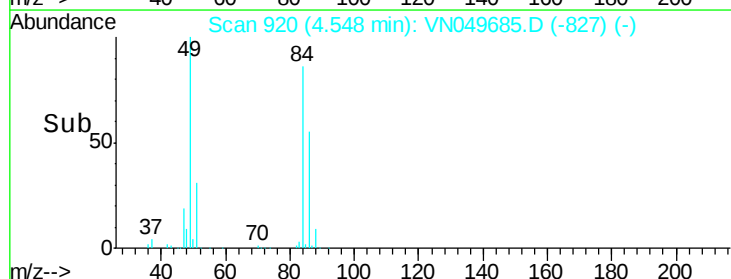
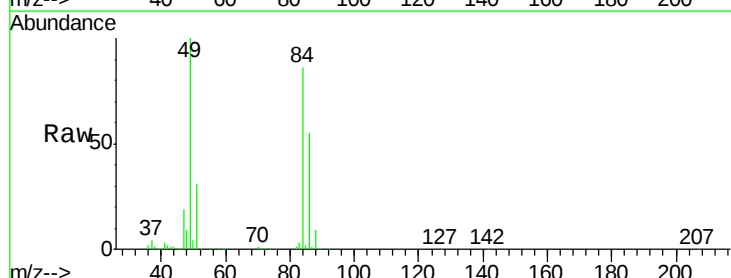
Instrument :
MSVOA_N
ClientSampled :

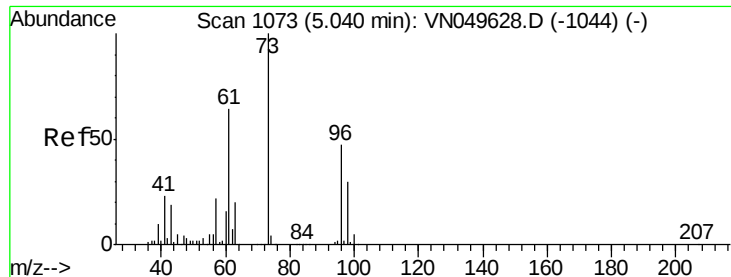
Tot Ion: 73 Resp: 2000449
Ion Ratio Lower Upper
73 100
57 21.8 18.1 27.1



#20
Methylene Chloride
Concen: 48.08 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 84 Resp: 859358
Ion Ratio Lower Upper
84 100
49 116.0 95.4 143.2
51 36.2 28.4 42.6
86 63.8 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 50.02 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampled :

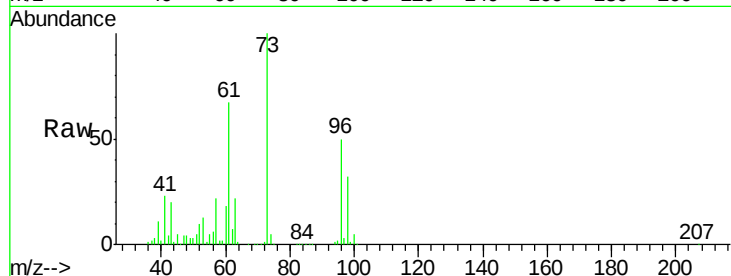
Tot Ion: 96 Resp: 794701

Ion Ratio Lower Upper

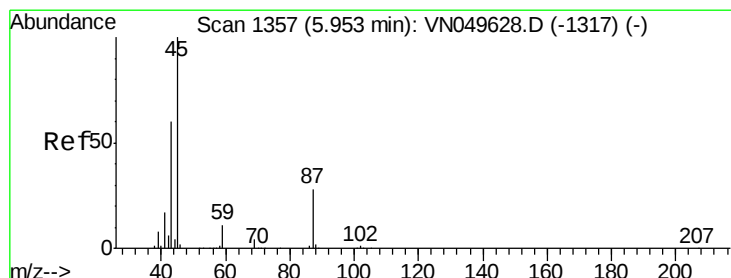
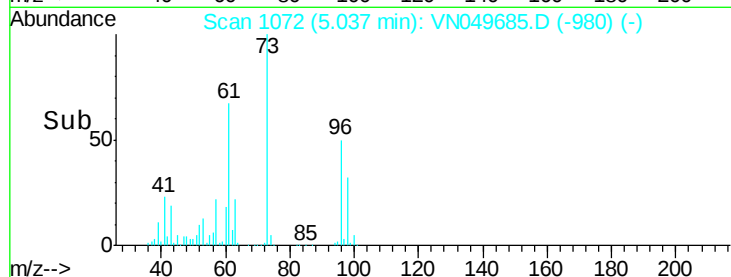
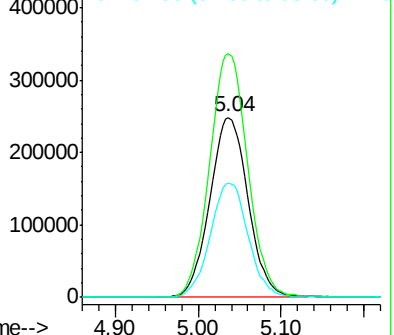
96 100

61 135.4 109.0 163.6

98 63.8 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: 50.99 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Tgt Ion: 45 Resp: 2446373

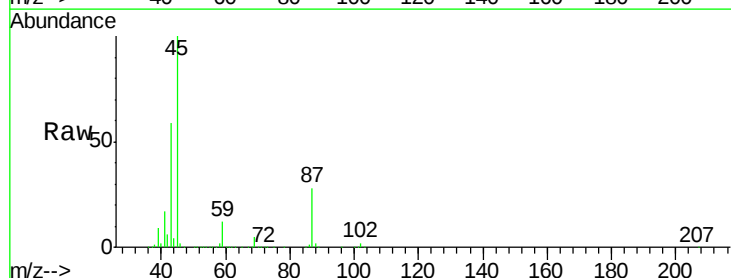
Ion Ratio Lower Upper

45 100

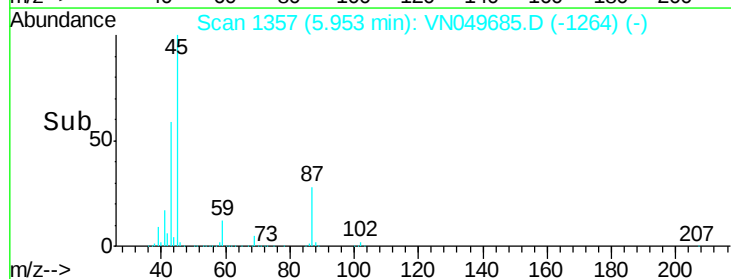
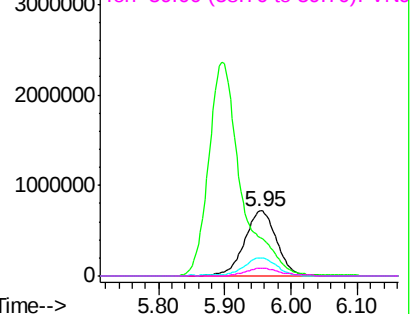
43 58.9 48.1 72.1

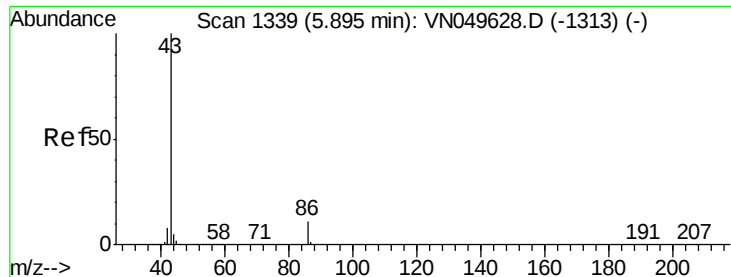
87 28.1 22.6 34.0

59 11.6 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: 258.80 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

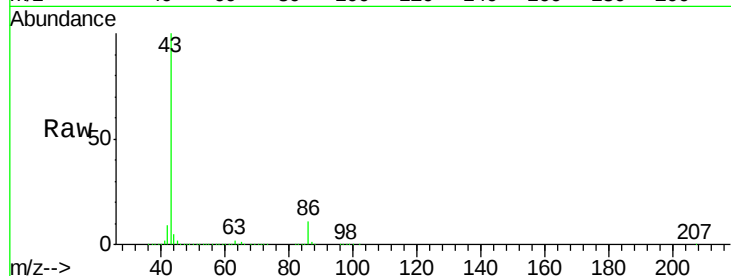
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 8051404

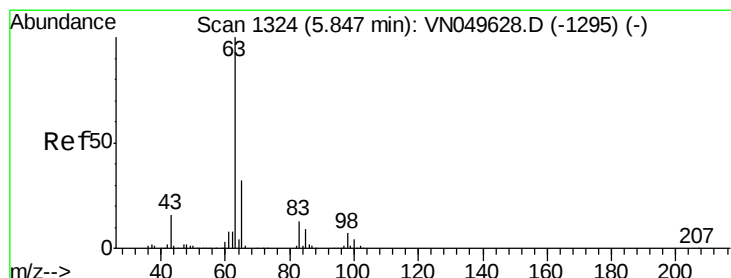
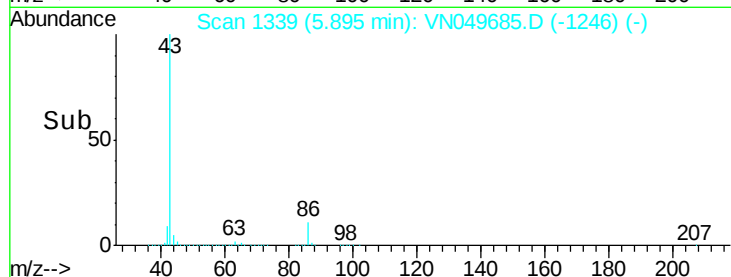
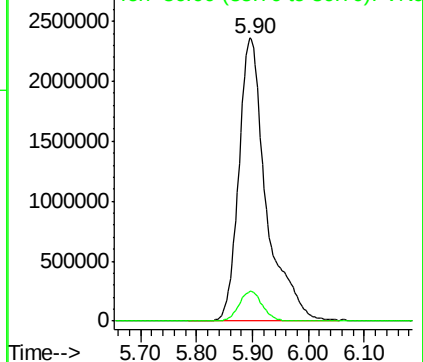
Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049685.D (-1246) (-)



#24

1,1-Dichloroethane

Concen: 48.45 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

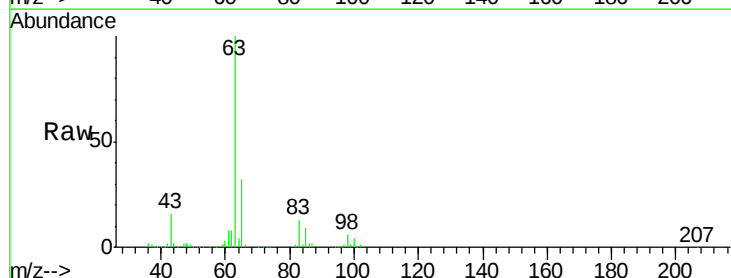
Tgt Ion: 63 Resp: 1464481

Ion Ratio Lower Upper

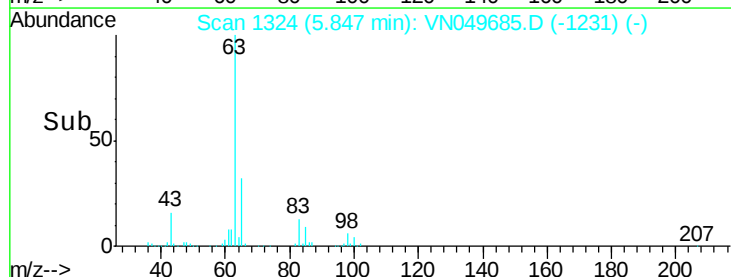
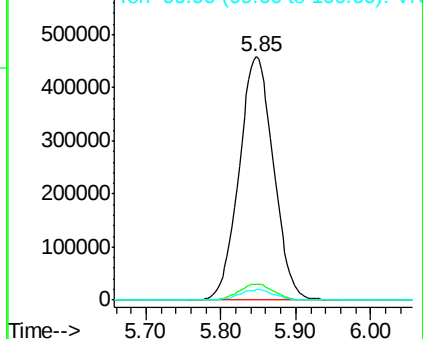
63 100

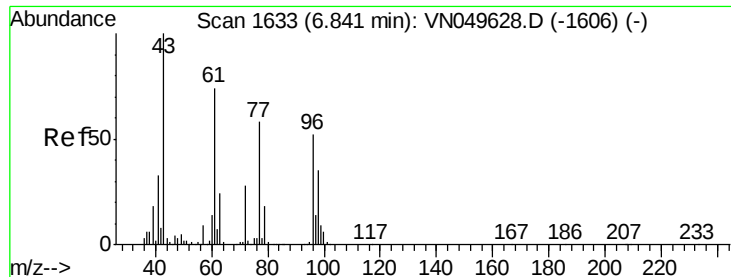
98 6.5 3.4 10.2

100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049685.D (-1231) (-)

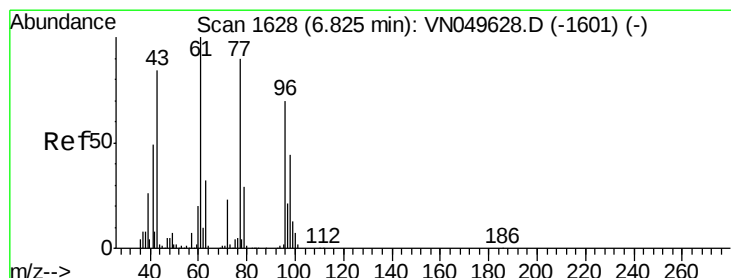
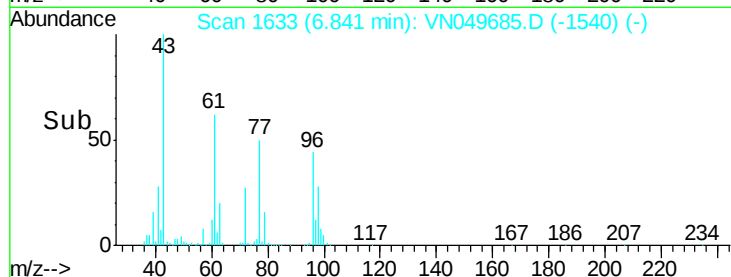
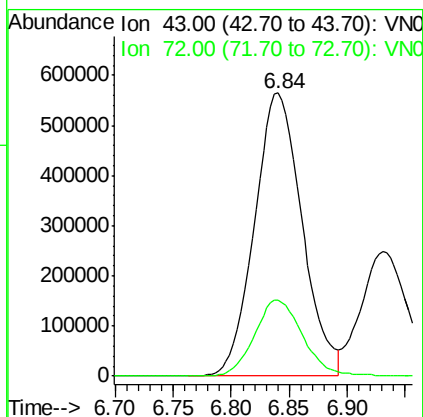
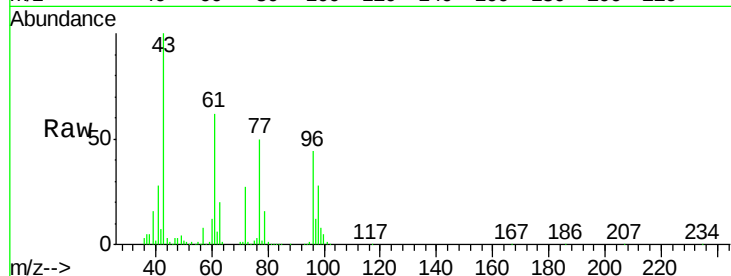




#25
2-Butanone
Concen: 278.69 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

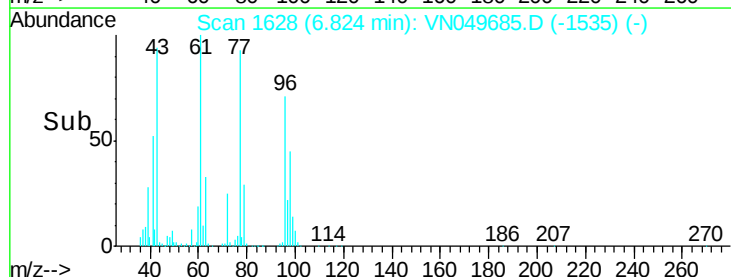
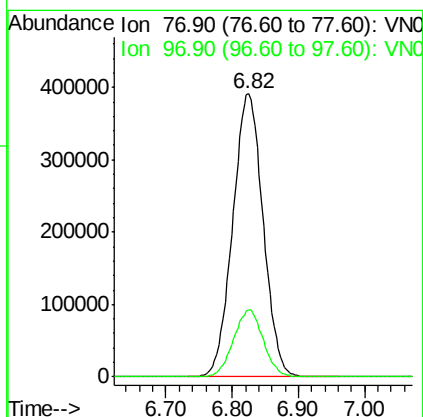
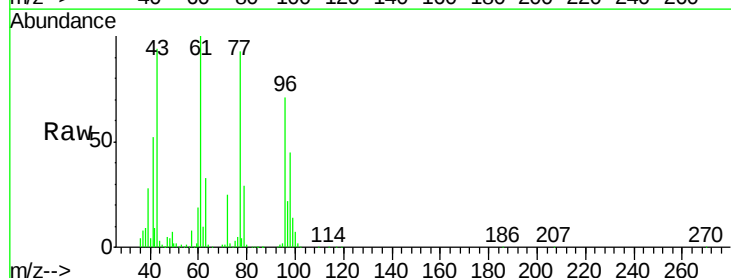
Instrument :
MSVOA_N
ClientSampled :

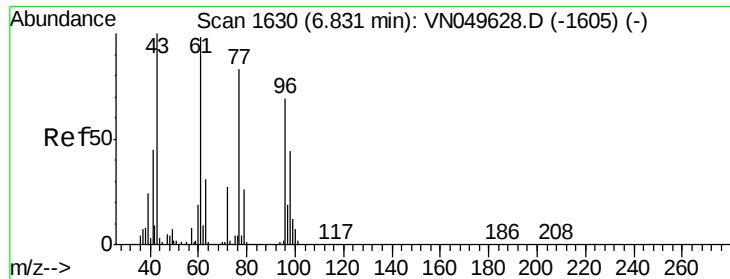
Tot Ion: 43 Resp: 1605859
Ion Ratio Lower Upper
43 100
72 26.8 22.1 33.1



#26
2,2-Dichloropropane
Concen: 49.53 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 77 Resp: 1243384
Ion Ratio Lower Upper
77 100
97 23.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.29 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :

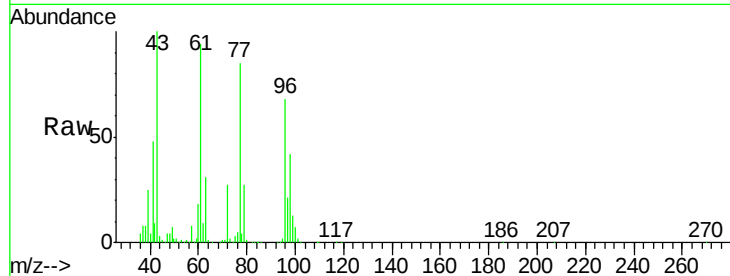
Tot Ion: 96 Resp: 874786

Ion Ratio Lower Upper

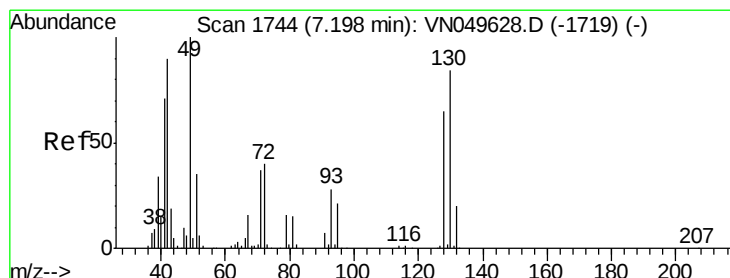
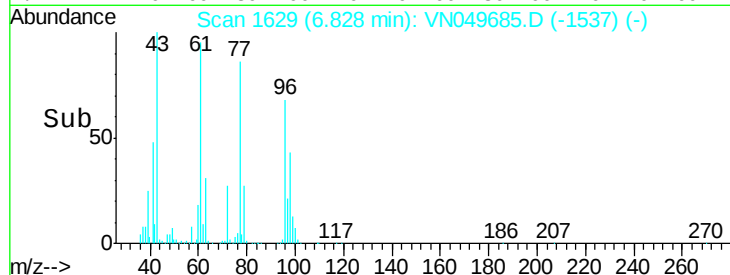
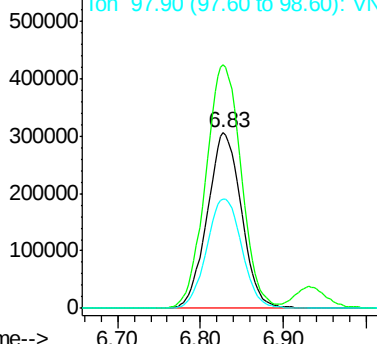
96 100

61 144.1 0.0 289.0

98 64.4 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: 49.46 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

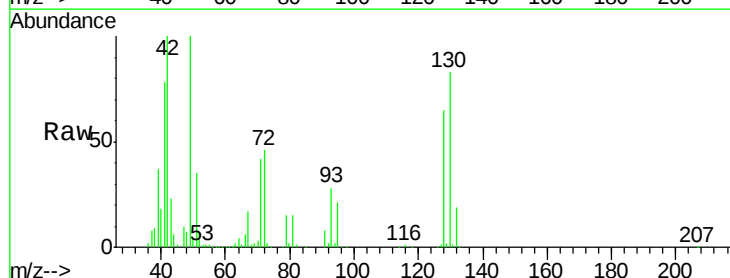
Tgt Ion: 49 Resp: 634417

Ion Ratio Lower Upper

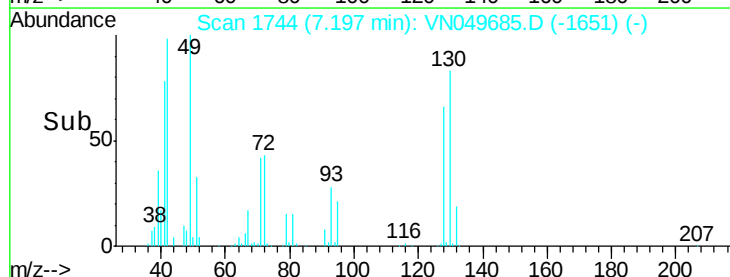
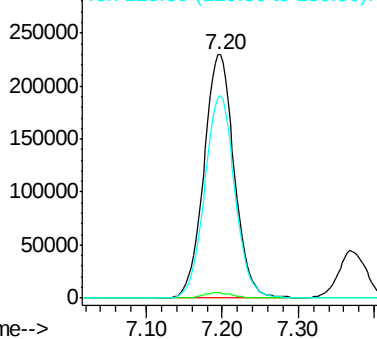
49 100

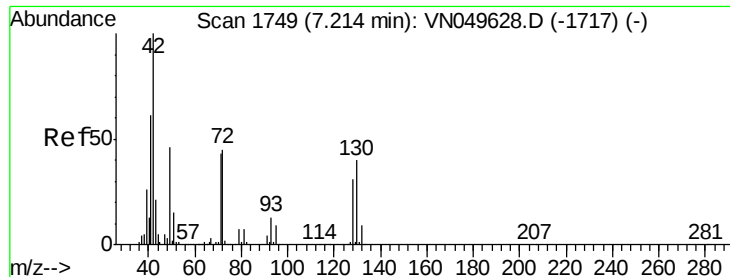
129 2.2 0.0 4.2

130 83.1 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

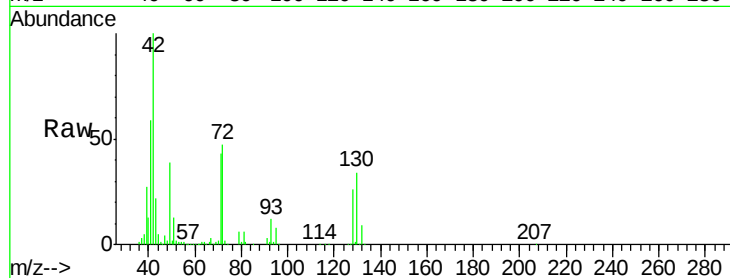




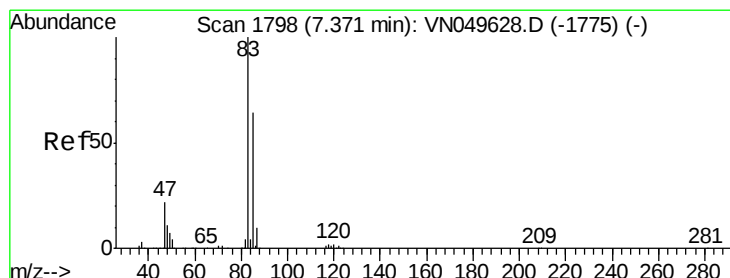
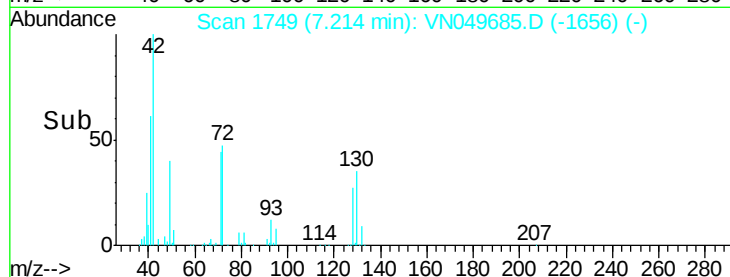
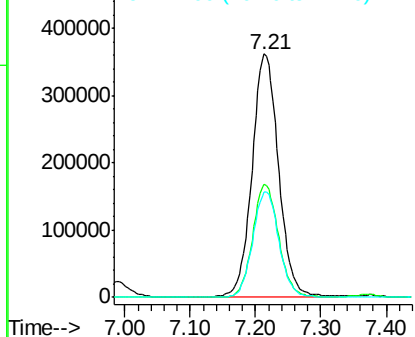
#29
Tetrahydrofuran
Concen: 277.06 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1017538
Ion Ratio Lower Upper
42 100
72 45.3 35.6 53.4
71 43.0 34.0 51.0

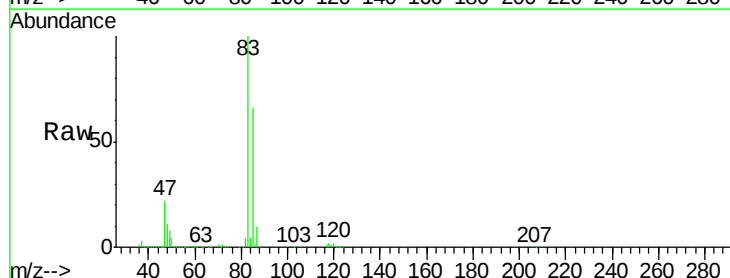


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

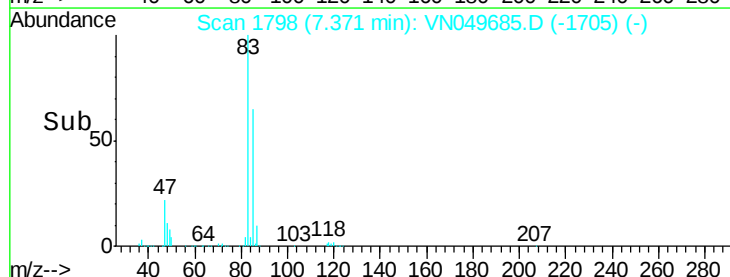
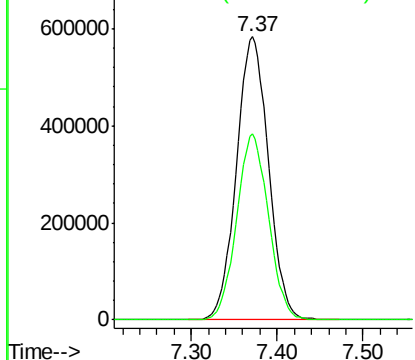


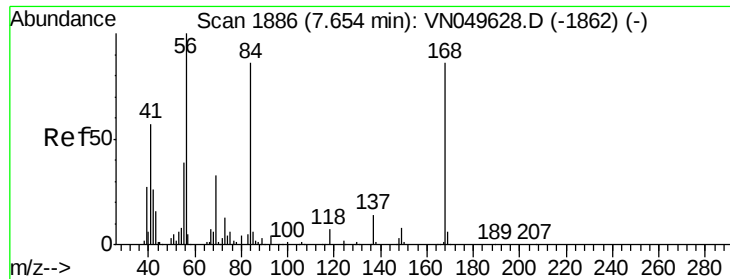
#30
Chloroform
Concen: 48.94 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 83 Resp: 1507754
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

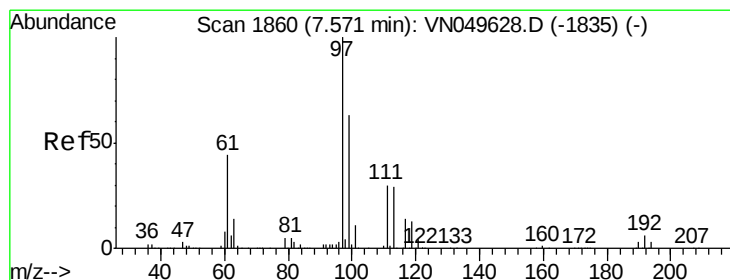
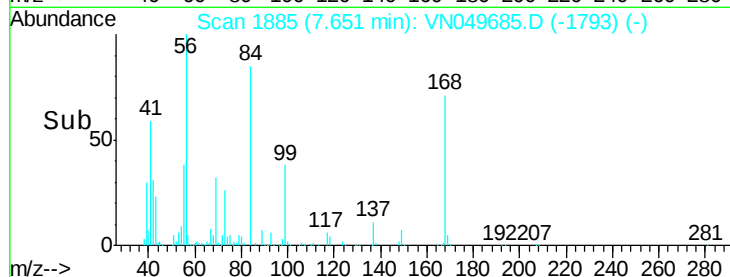
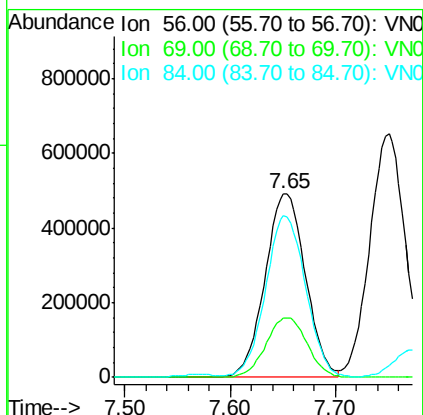
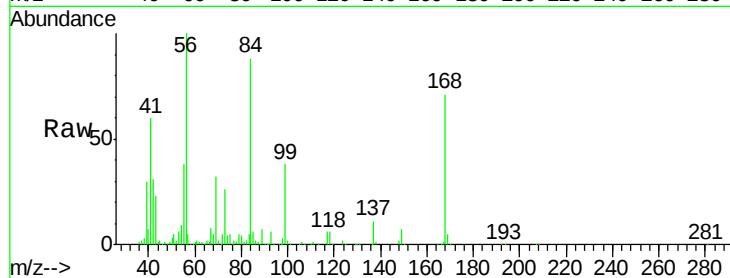




#31
Cyclohexane
Concen: 50.55 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

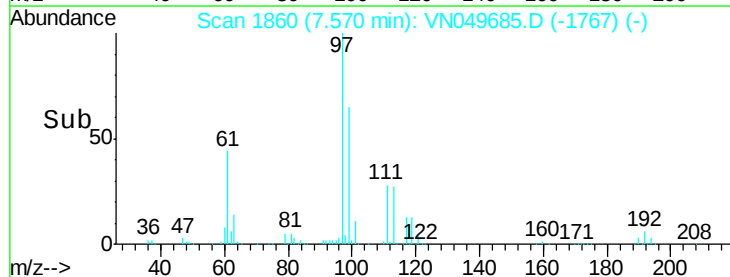
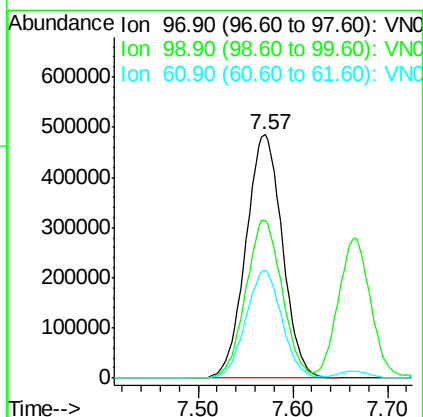
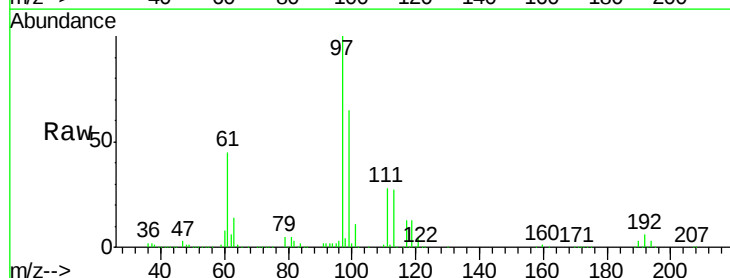
Instrument :
MSVOA_N
ClientSampled :

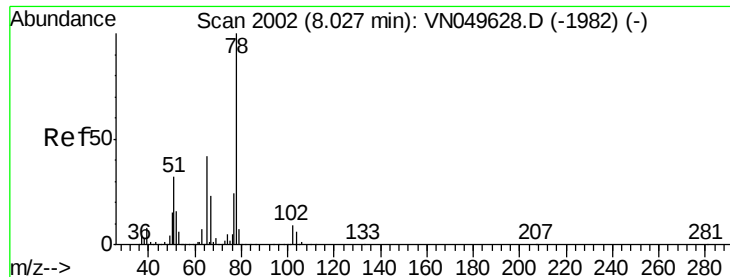
Tot Ion: 56 Resp: 1309437
Ion Ratio Lower Upper
56 100
69 32.0 26.6 40.0
84 86.9 69.0 103.6



#32
1,1,1-Trichloroethane
Concen: 49.67 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 97 Resp: 1295667
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 43.8 35.5 53.3

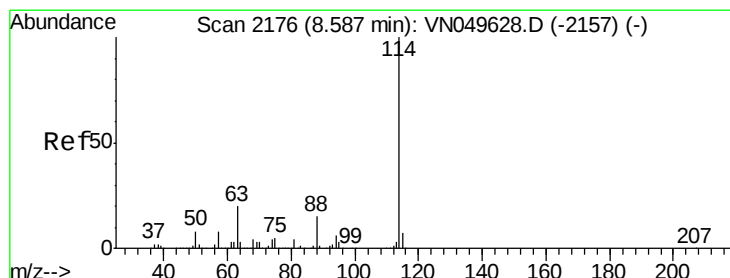
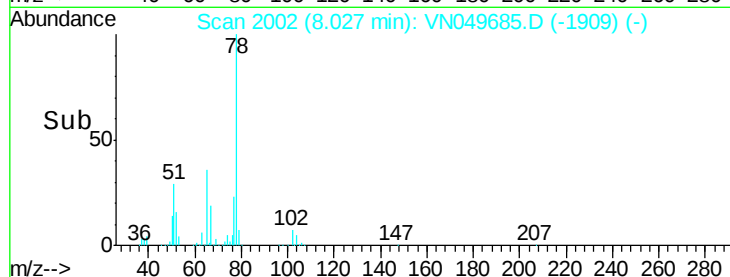
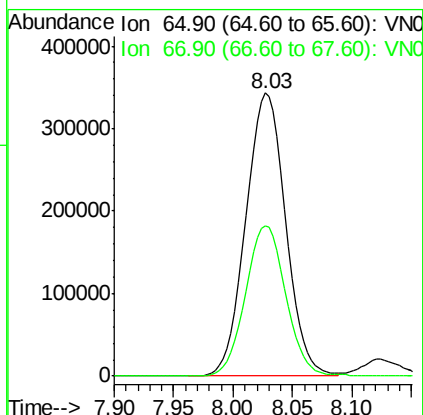
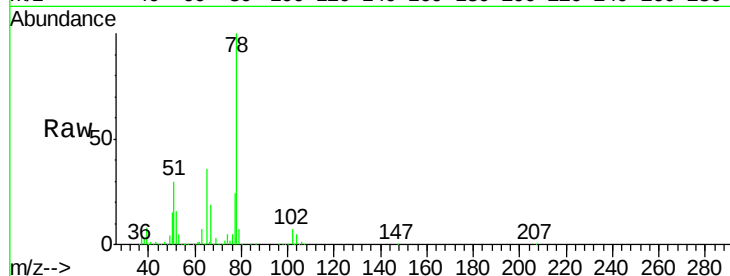




#33
 1,2-Dichloroethane-d4
 Concen: 45.95 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

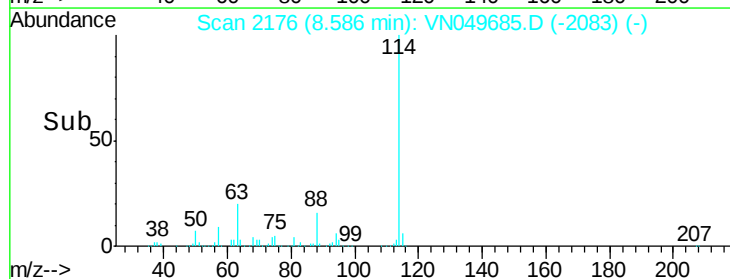
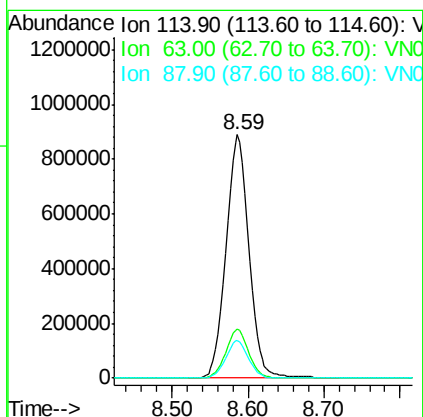
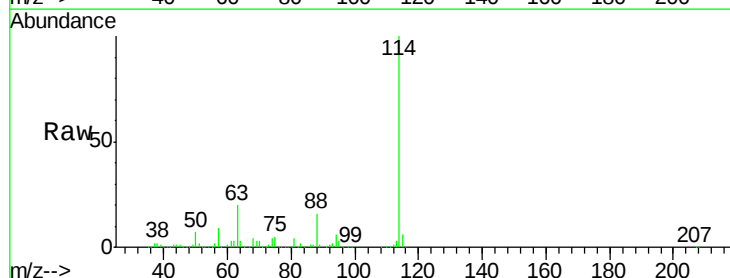
Instrument :
 MSVOA_N
 ClientSampleId :

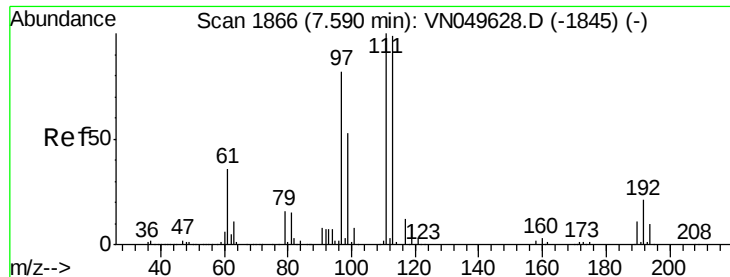
Tot Ion: 65 Resp: 797528
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion: 114 Resp: 1871743
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.7 0.0 30.6

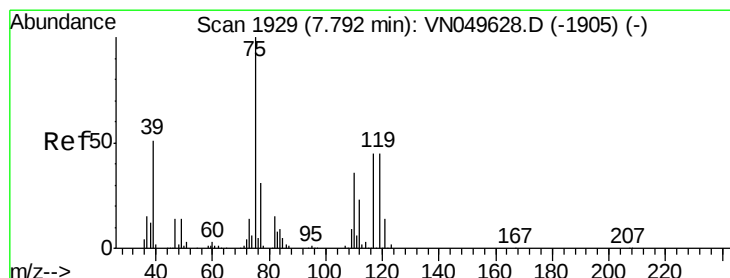
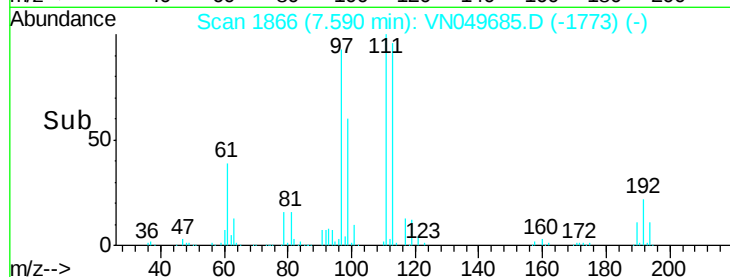
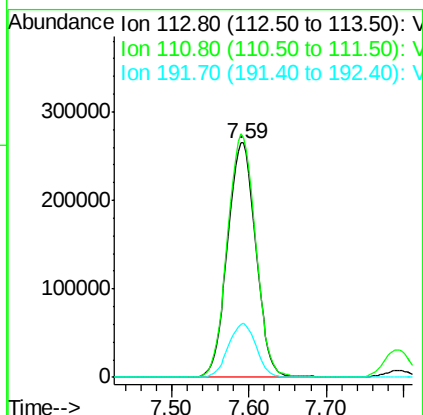
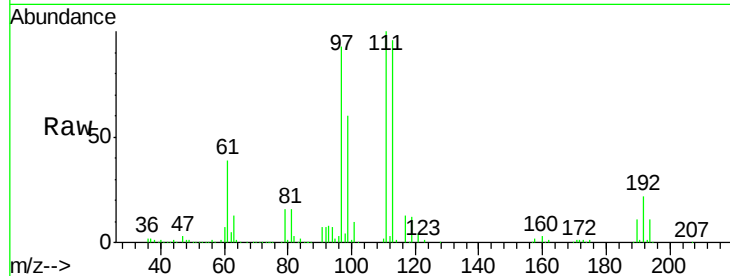




#35
 Dibromofluoromethane
 Concen: 48.00 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

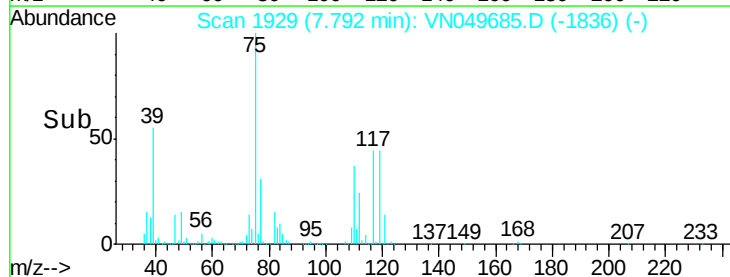
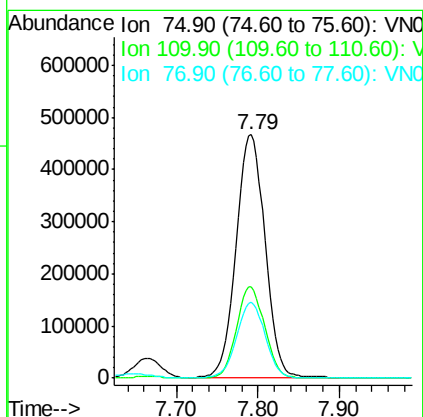
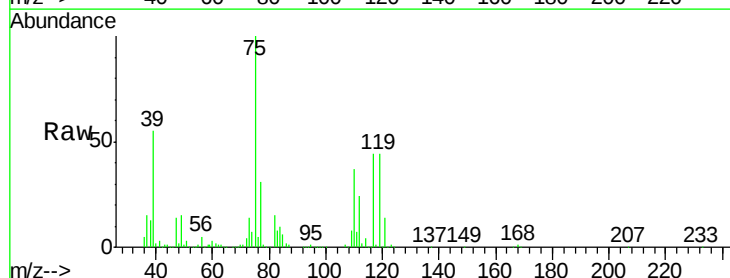
Instrument :
 MSVOA_N
 ClientSampleId :

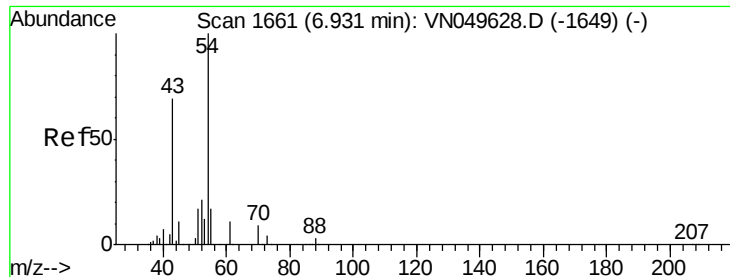
Tot Ion:113 Resp: 671649
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.8 122.8
 192 22.5 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 54.36 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion: 75 Resp: 1144725
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.1 54.4
 77 30.8 24.9 37.3

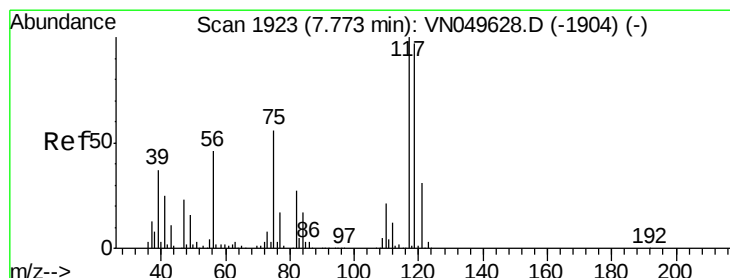
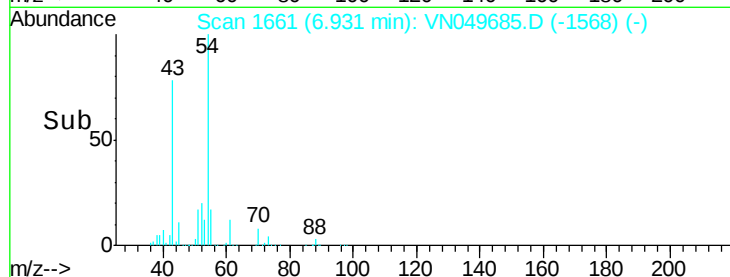
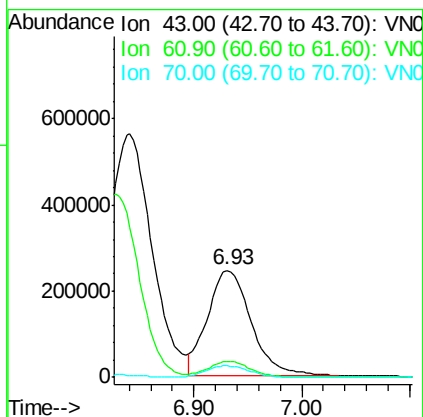
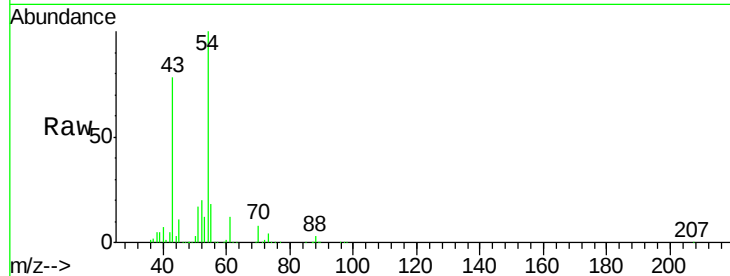




#37
Ethyl Acetate
Concen: 56.38 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

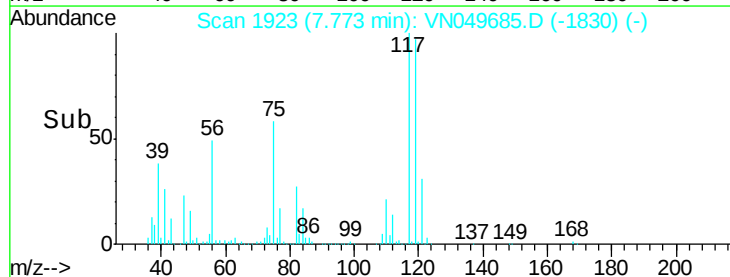
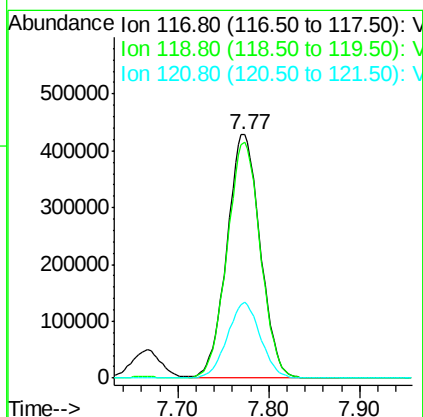
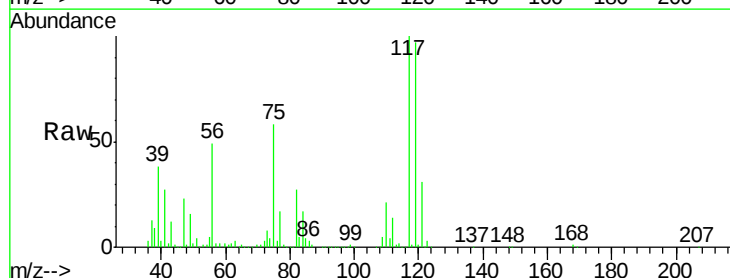
Instrument :
MSVOA_N
ClientSampleId :

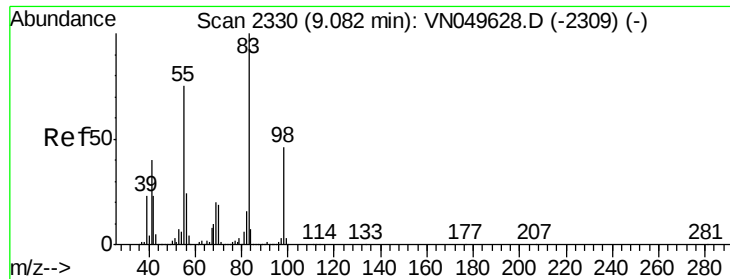
Tot Ion: 43 Resp: 692491
Ion Ratio Lower Upper
43 100
61 14.3 11.7 17.5
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 53.12 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 117 Resp: 1088127
Ion Ratio Lower Upper
117 100
119 96.9 77.2 115.8
121 31.1 25.0 37.6

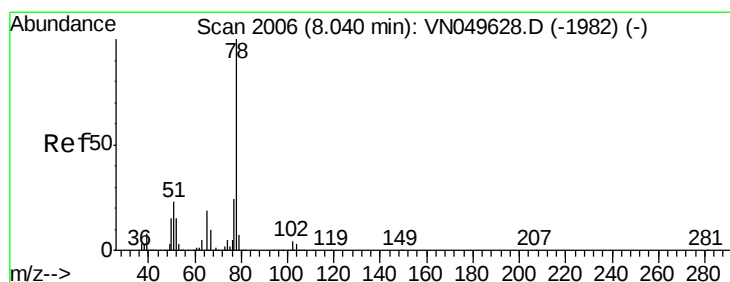
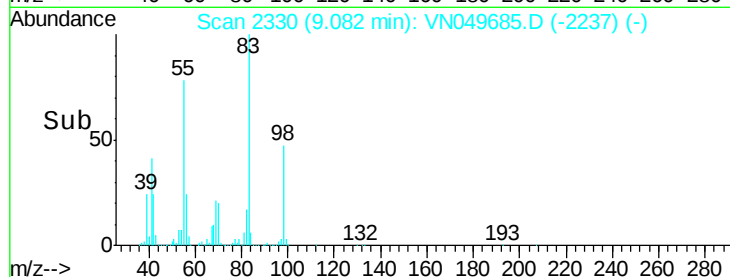
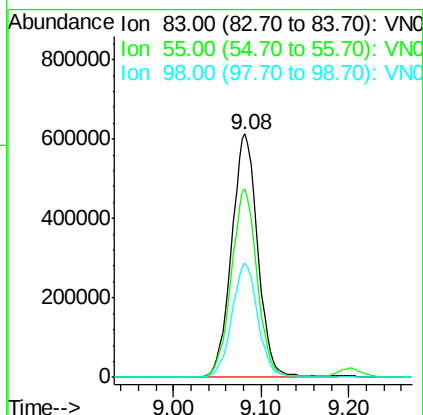
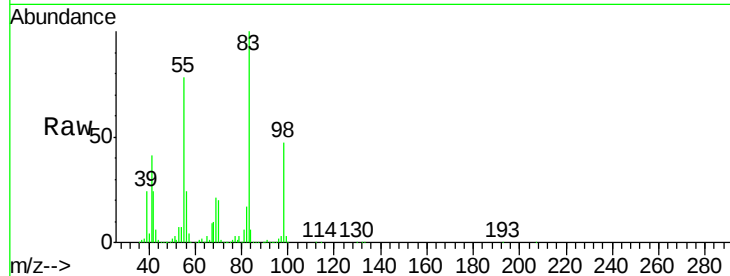




#39
Methvlcvclohexane
Concen: 55.21 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

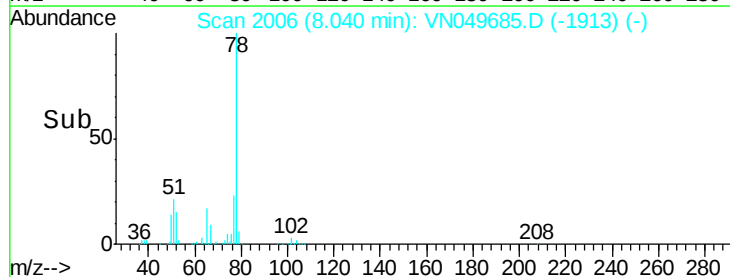
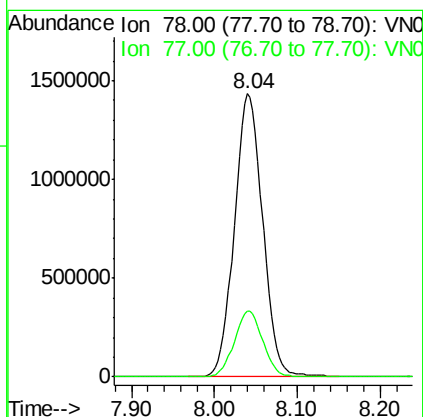
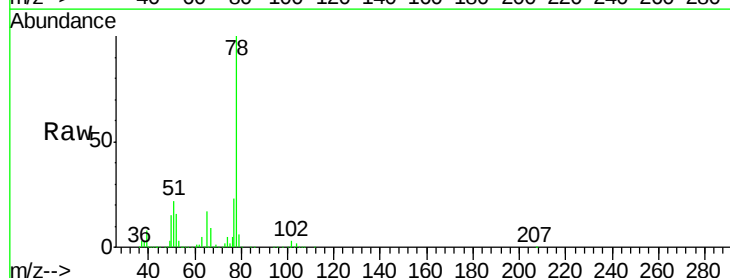
Instrument :
MSVOA_N
ClientSampled :

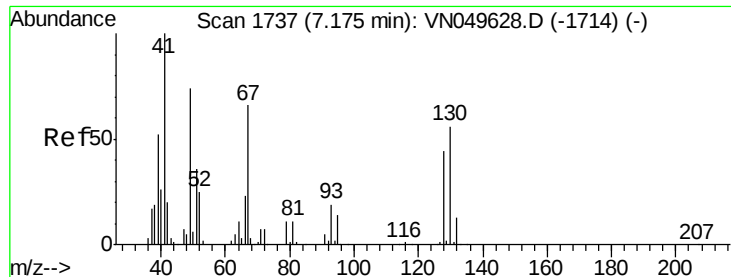
Tot Ion: 83 Resp: 1274605
Ion Ratio Lower Upper
83 100
55 77.6 59.7 89.5
98 47.0 36.5 54.7



#40
Benzene
Concen: 52.93 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 78 Resp: 3403438
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

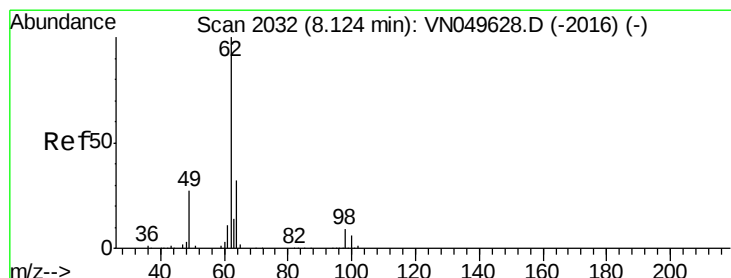
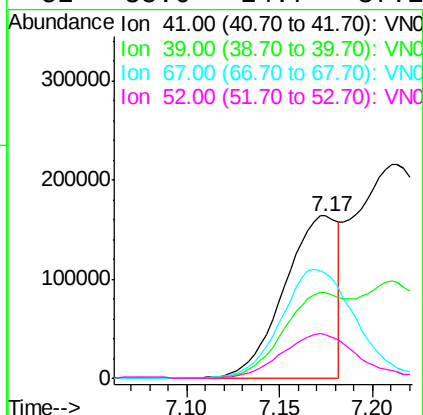
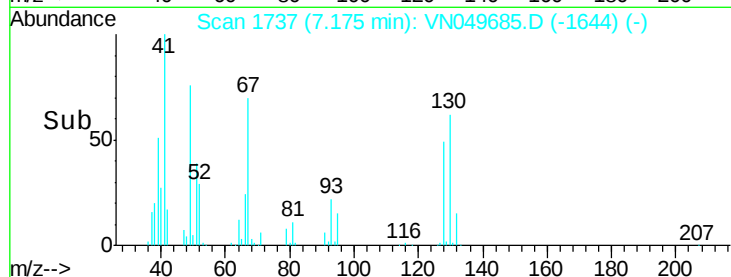
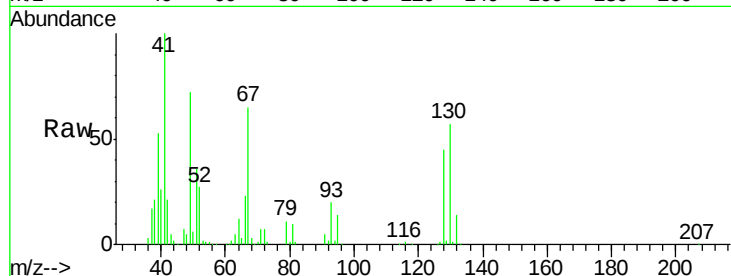




#41
Methacrylonitrile
Concen: 47.15 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

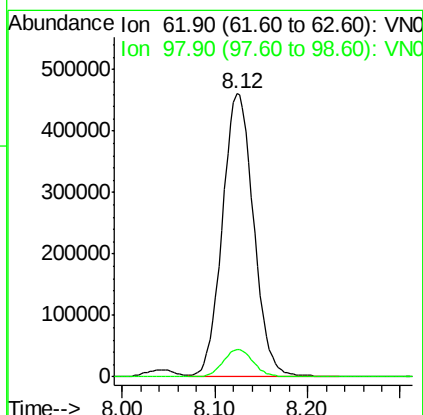
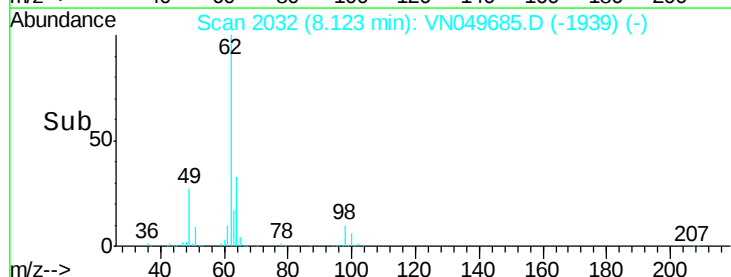
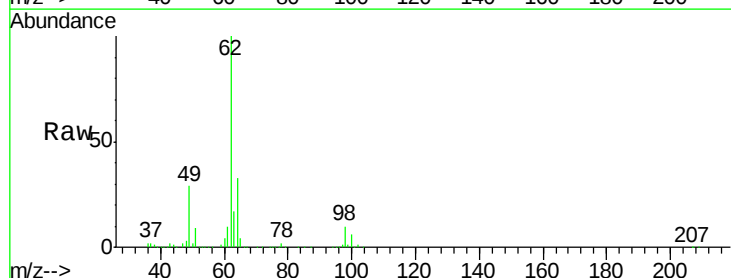
Instrument :
MSVOA_N
ClientSampleId :

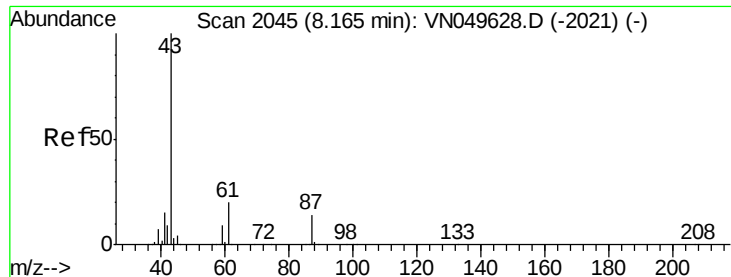
Tot Ion: 41 Resp: 326476
Ion Ratio Lower Upper
41 100
39 62.3 45.4 68.2
67 95.1 65.4 98.0
52 38.6 24.7 37.1#



#42
1,2-Dichloroethane
Concen: 52.26 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 62 Resp: 1072409
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.0



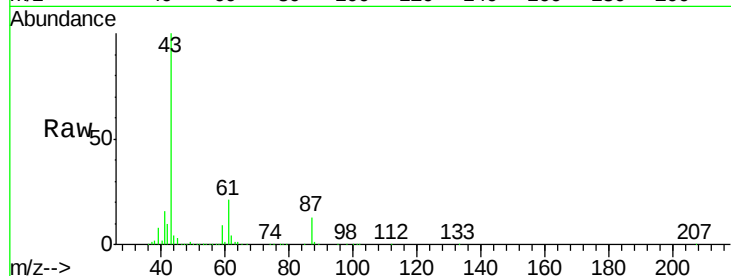


#43

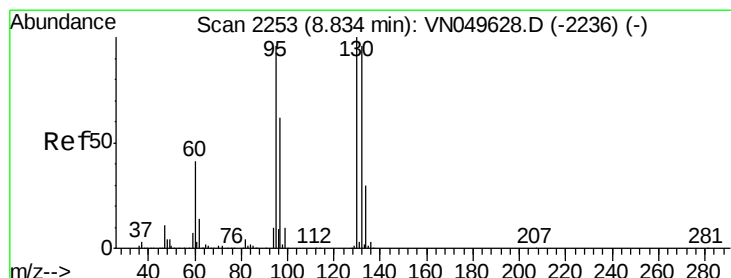
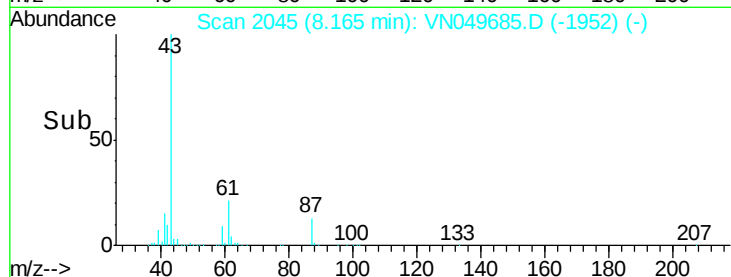
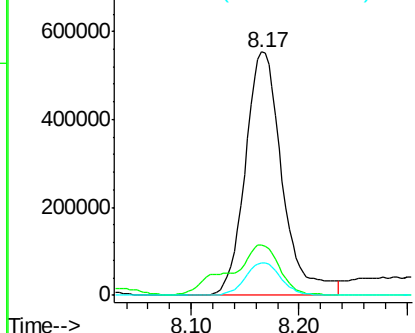
Isopropyl Acetate
 Concen: 53.97 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 1315072
 Ion Ratio Lower Upper
 43 100
 61 27.5 14.9 22.3#
 87 13.0 10.0 15.0



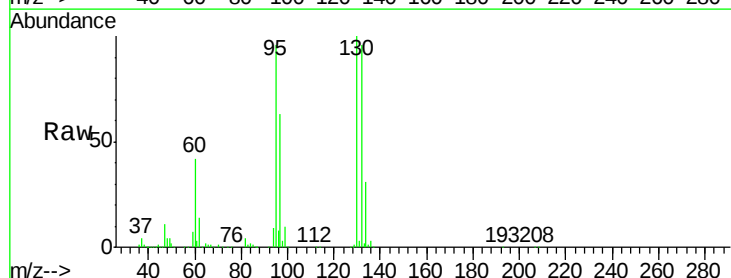
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



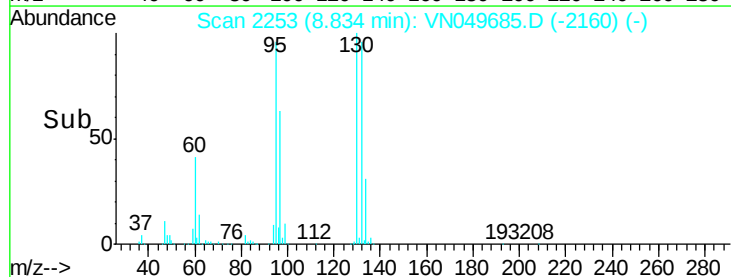
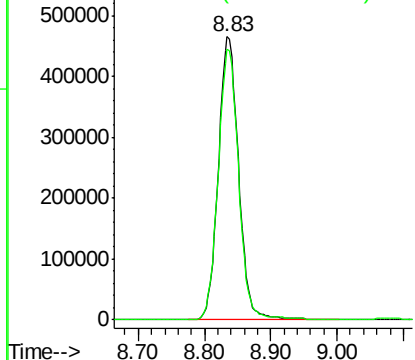
#44

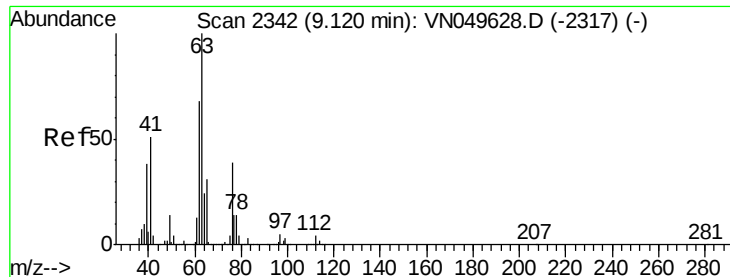
Trichloroethene
 Concen: 50.98 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion:130 Resp: 988537
 Ion Ratio Lower Upper
 130 100
 95 95.6 0.0 192.8



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





#45

1,2-Dichloropropane

Concen: 53.59 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

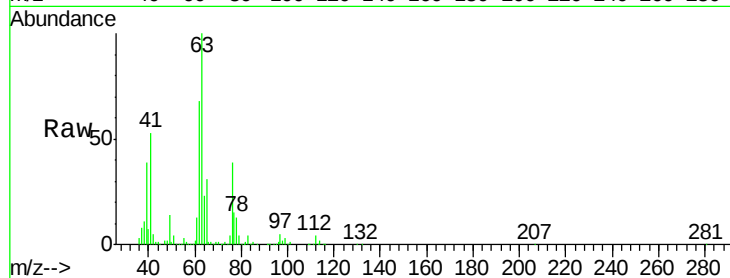
ClientSampleId :

Tot Ion: 63 Resp: 890358

Ion Ratio Lower Upper

63 100

65 30.7 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN049685.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN049685.D (-2249) (-)

9.12

400000

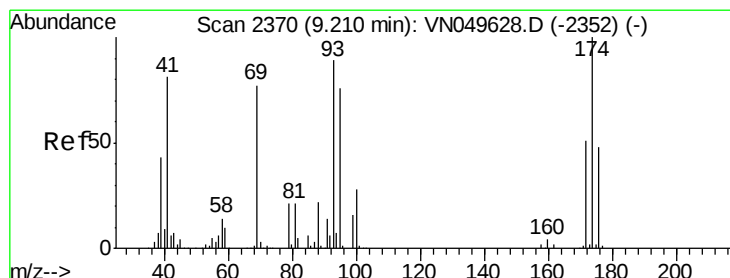
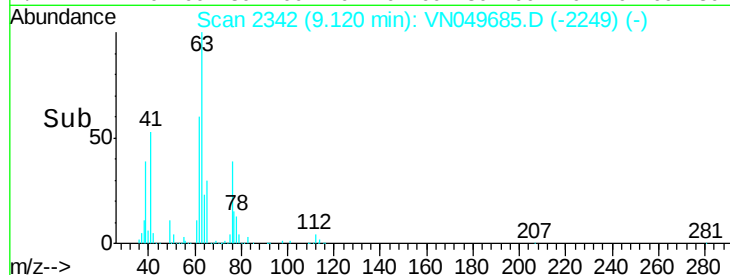
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 53.40 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

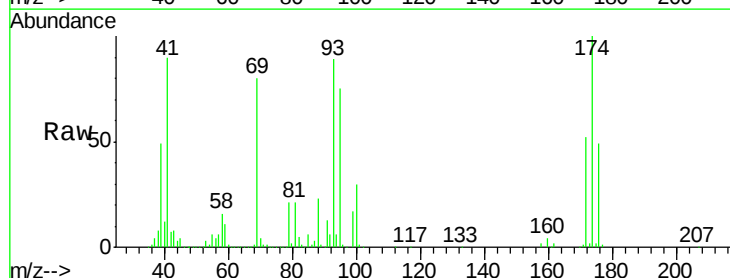
Tgt Ion: 93 Resp: 536670

Ion Ratio Lower Upper

93 100

95 83.9 67.9 101.9

174 112.1 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN049685.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049685.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049685.D (-2277) (-)

9.21

400000

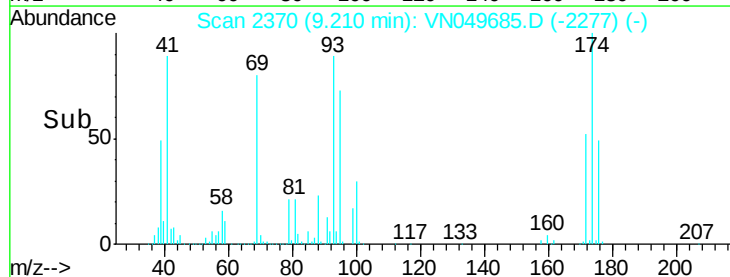
300000

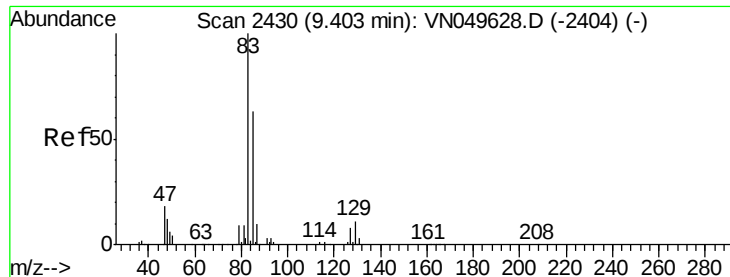
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 53.85 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :
MSVOA_N
ClientSampleId :

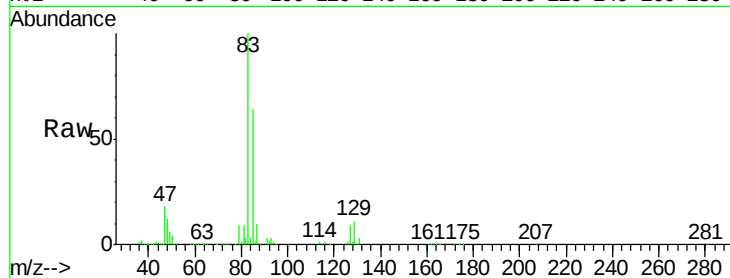
Tot Ion: 83 Resp: 1152068

Ion Ratio Lower Upper

83 100

85 63.8 50.5 75.7

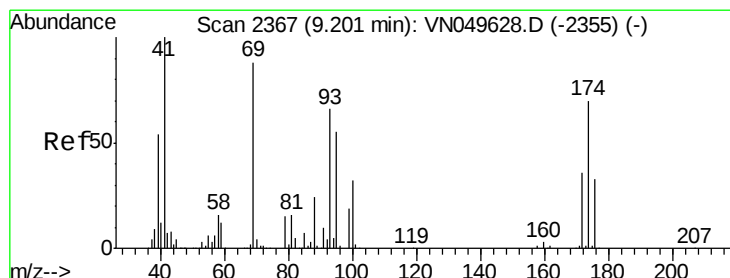
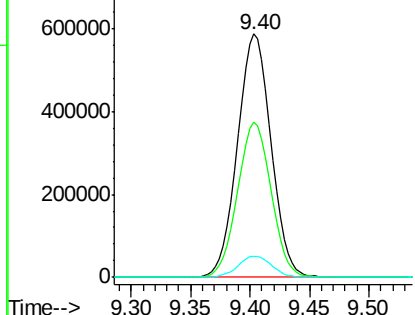
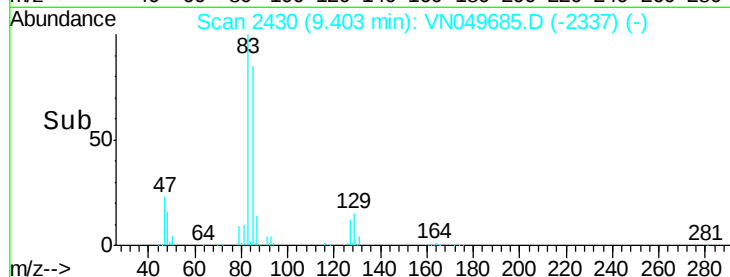
127 8.7 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049685.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049685.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049685.D (-2337) (-)



#48

Methyl methacrylate

Concen: 58.58 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

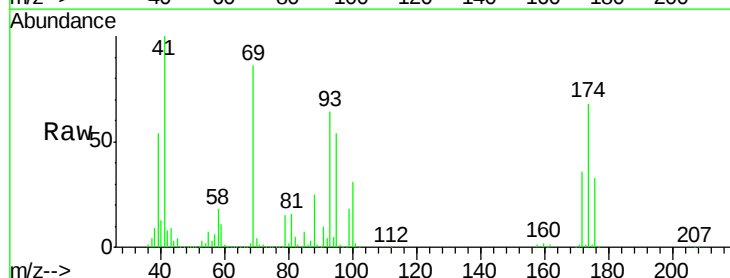
Tgt Ion: 41 Resp: 639388

Ion Ratio Lower Upper

41 100

69 87.9 71.5 107.3

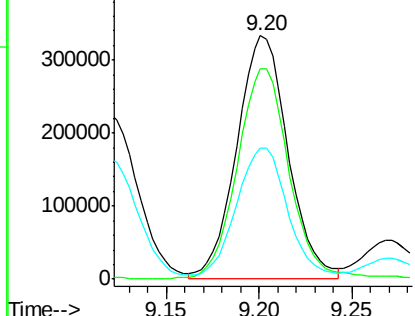
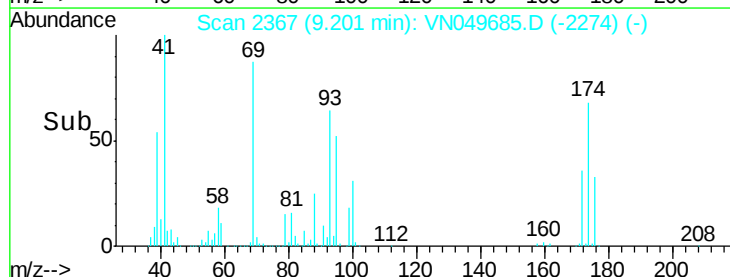
39 54.5 44.7 67.1

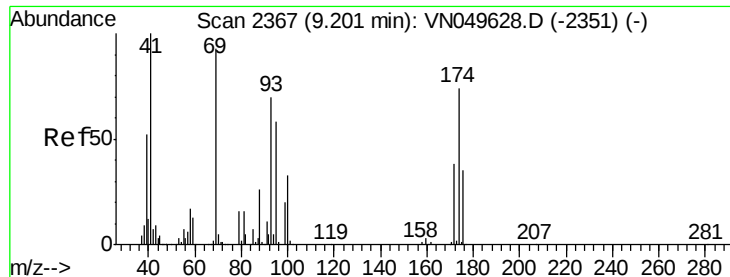


Abundance Ion 41.00 (40.70 to 41.70): VN049685.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049685.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049685.D (-2274) (-)

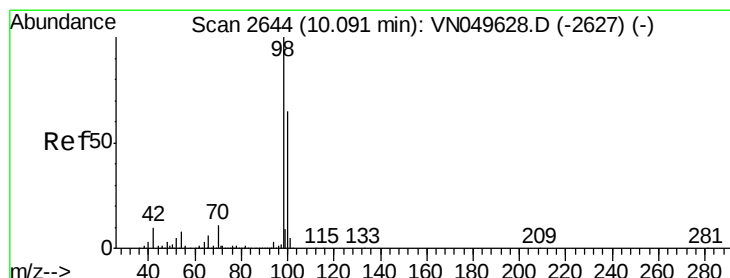
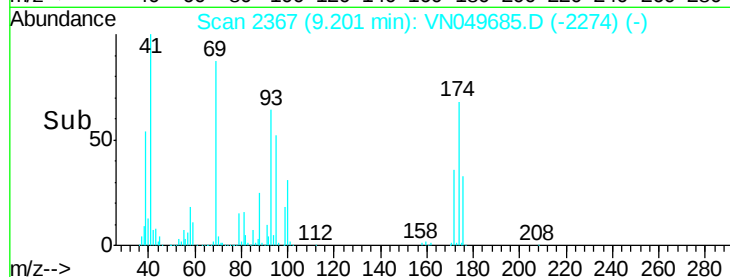
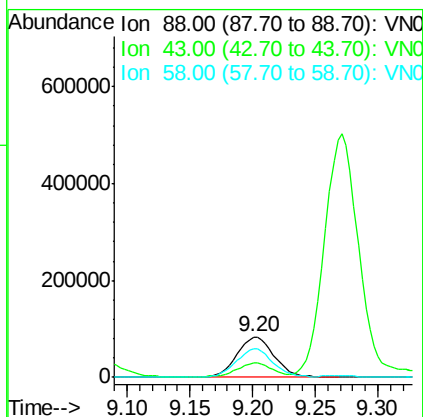
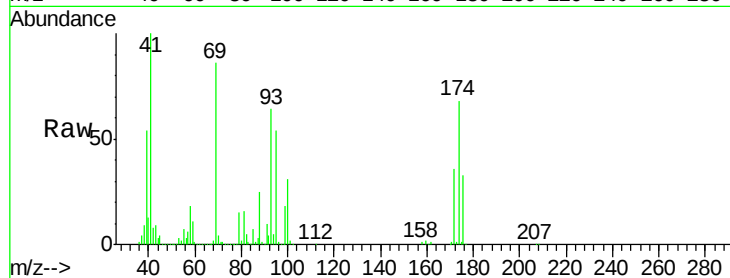




#49
1,4-Dioxane
Concen: 1172.51 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

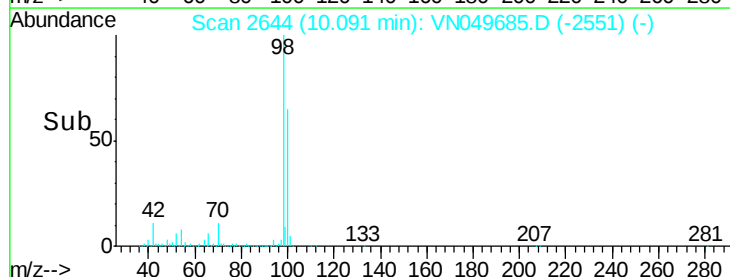
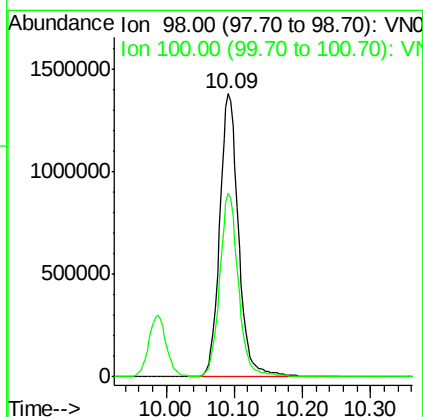
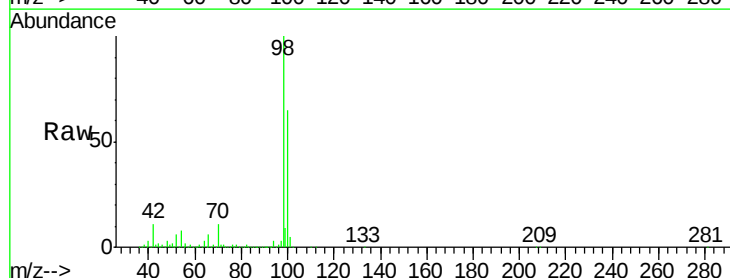
Instrument :
MSVOA_N
ClientSampleId :

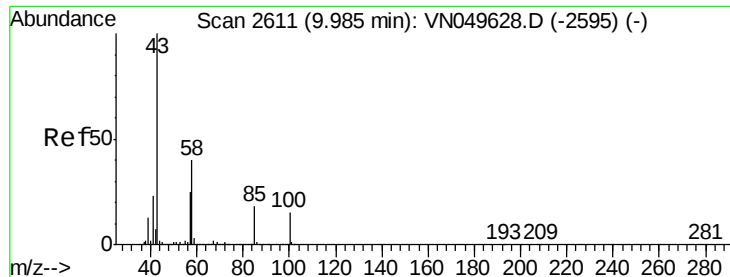
Tot Ion: 88 Resp: 172050
Ion Ratio Lower Upper
88 100
43 30.8 25.1 37.7
58 70.3 52.5 78.7



#50
Toluene-d8
Concen: 48.15 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 98 Resp: 2637128
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 295.82 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

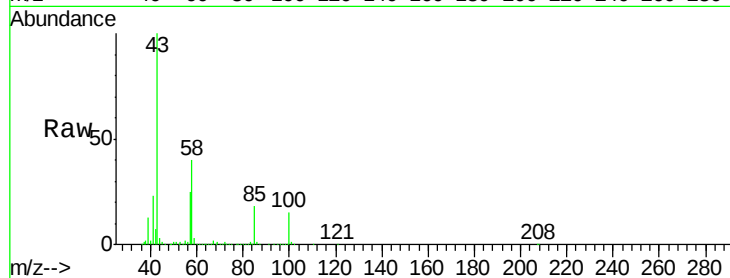
ClientSampled :

Tot Ion: 43 Resp: 3562340

Ion Ratio Lower Upper

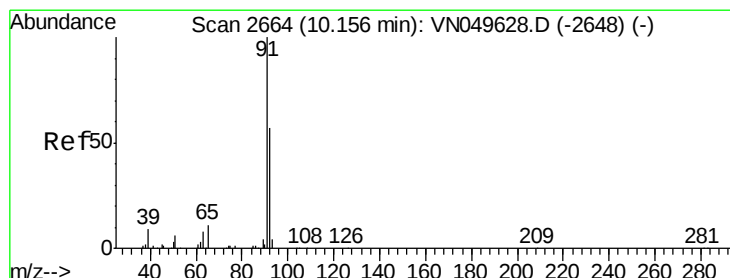
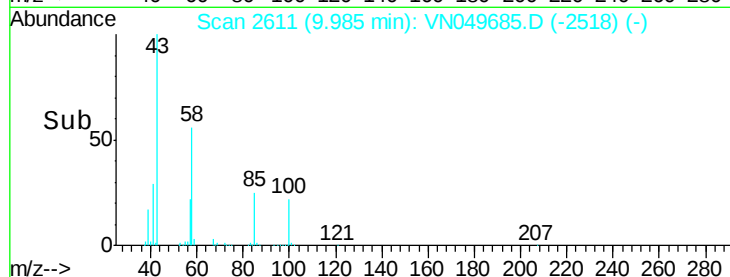
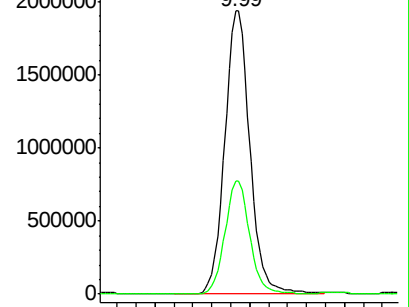
43 100

58 39.7 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2595) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-2595) (-)



#52

Toluene

Concen: 54.52 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049685.D

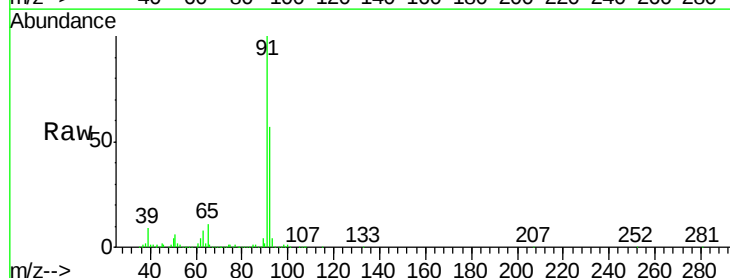
Acq: 3 Jul 2018 9:57

Tgt Ion: 92 Resp: 2117801

Ion Ratio Lower Upper

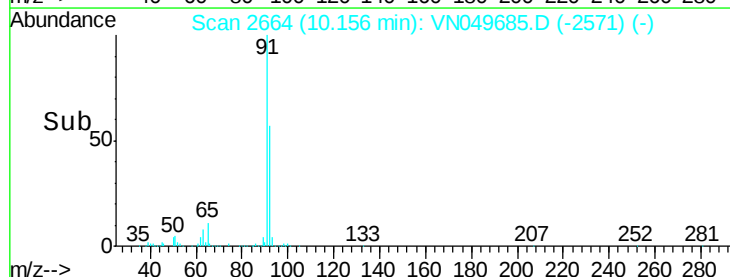
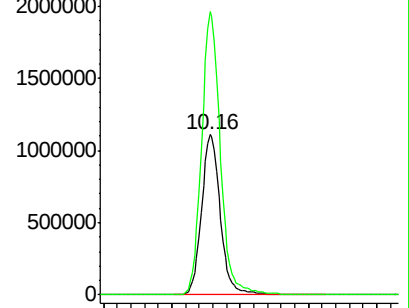
92 100

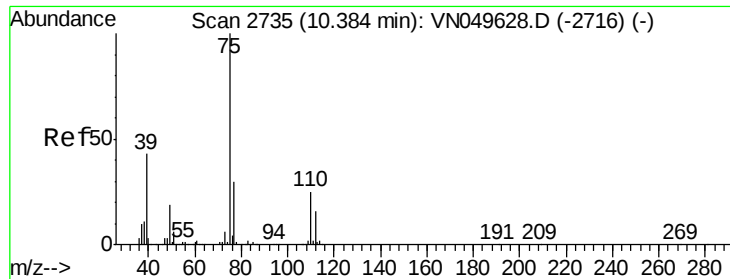
91 177.2 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN049628.D (-2648) (-)

Ion 91.00 (90.70 to 91.70): VN049628.D (-2648) (-)





#53

t-1,3-Dichloropropene

Concen: 55.27 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

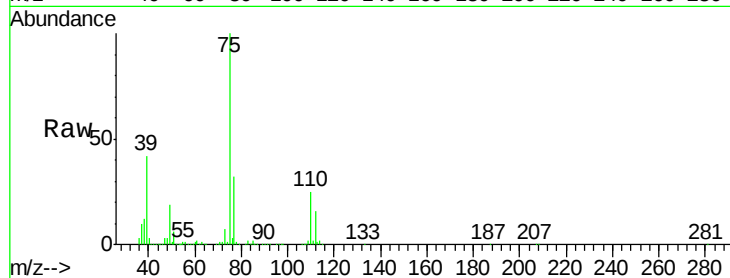
ClientSampleId :

Tot Ion: 75 Resp: 1132293

Ion Ratio Lower Upper

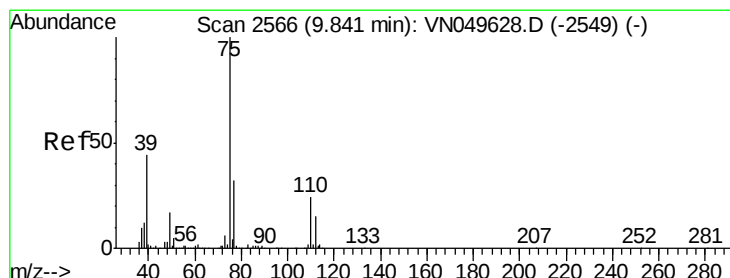
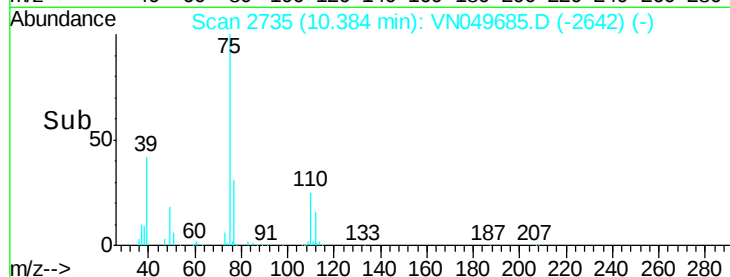
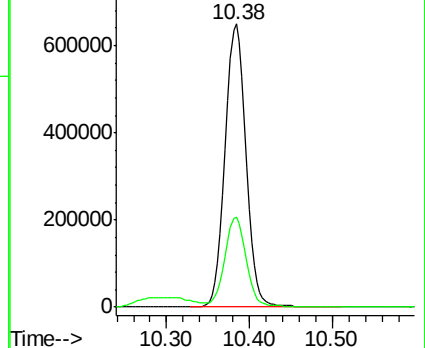
75 100

77 31.4 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.73 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

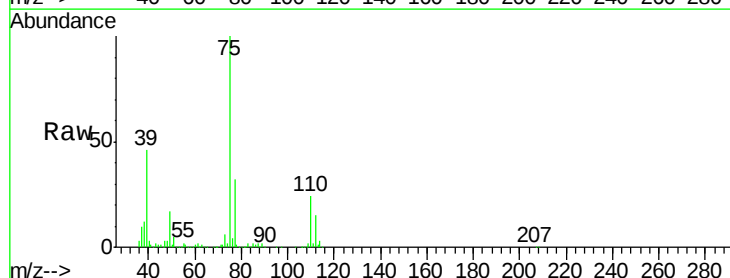
Tgt Ion: 75 Resp: 1310440

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9

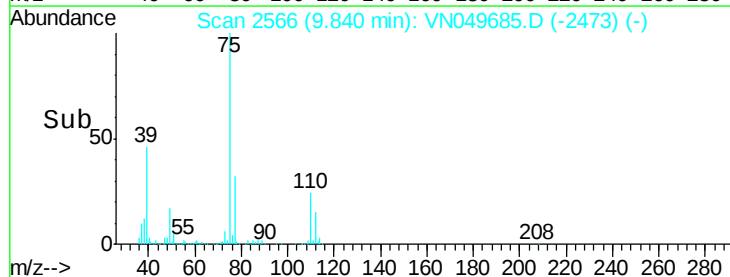
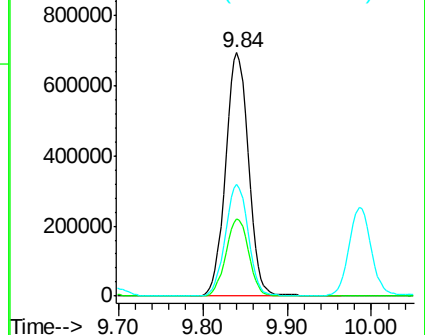
39 45.7 35.5 53.3

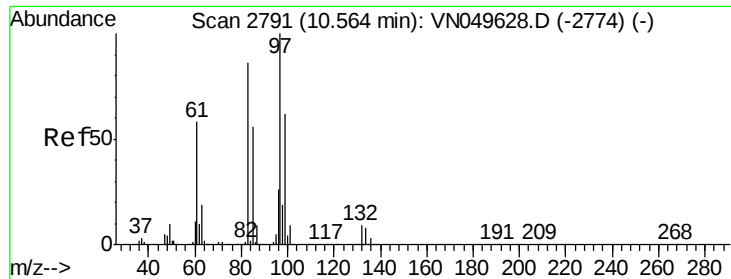


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

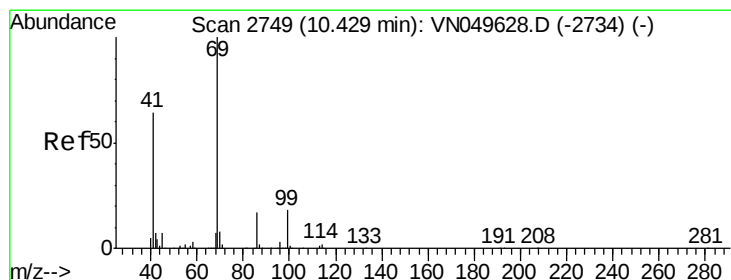
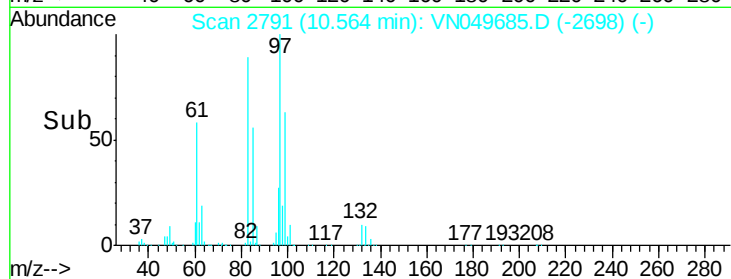
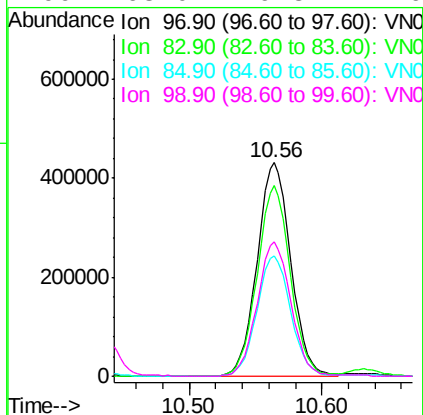
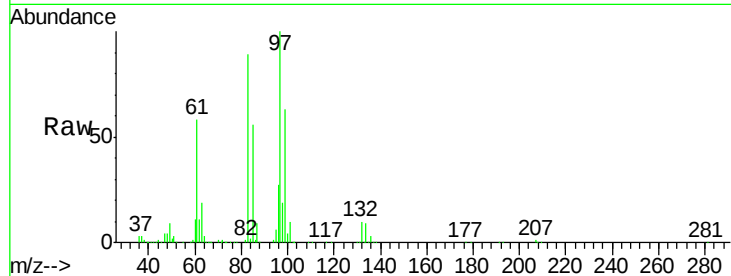




#55
 1,1,2-Trichloroethane
 Concen: 52.77 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

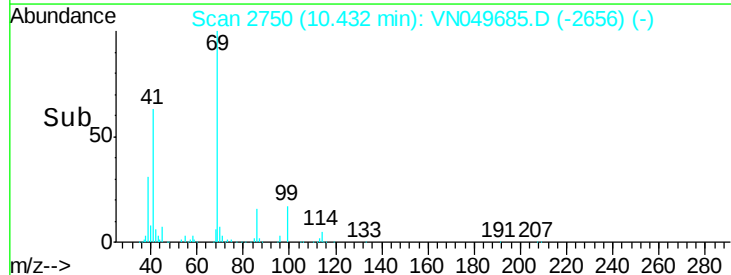
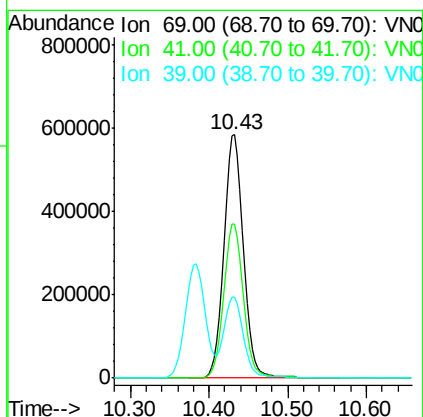
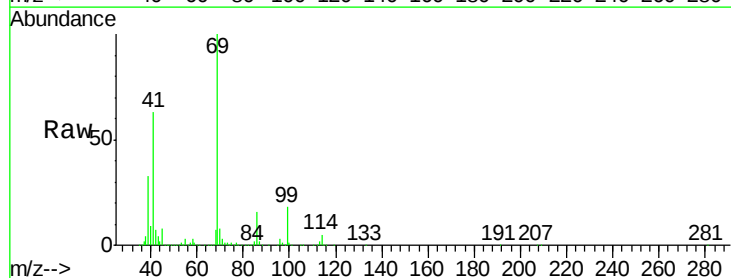
Instrument :
 MSVOA_N
 ClientSampleId :

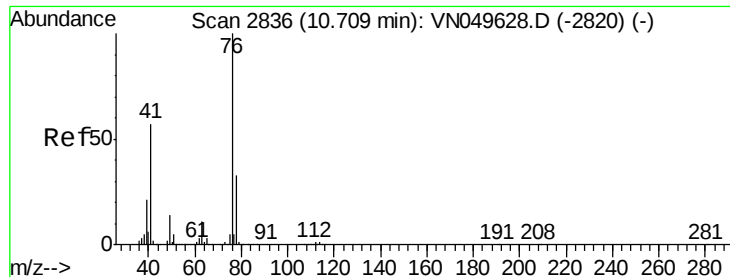
Tot Ion:	97	Resp:	763338
Ion	Ratio	Lower	Upper
97	100		
83	89.2	69.0	103.6
85	56.3	44.9	67.3
99	63.0	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 58.70 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion:	69	Resp:	995163
Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.6	77.4
39	32.9	25.8	38.8





#57

1,3-Dichloropropane

Concen: 54.79 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

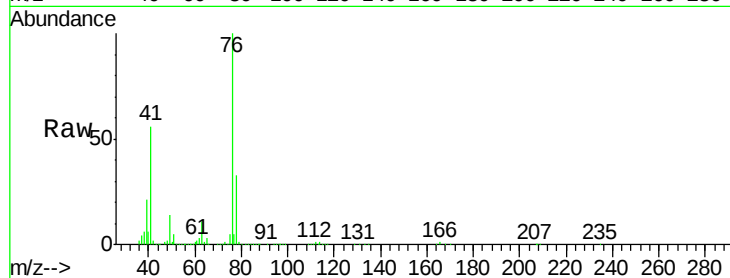
ClientSampled :

Tot Ion: 76 Resp: 1285122

Ion Ratio Lower Upper

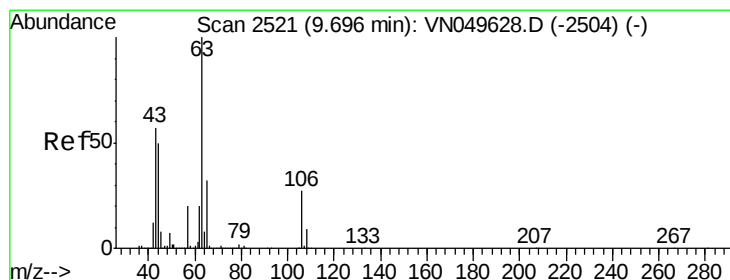
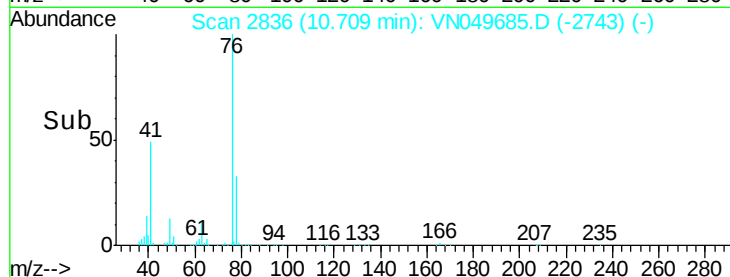
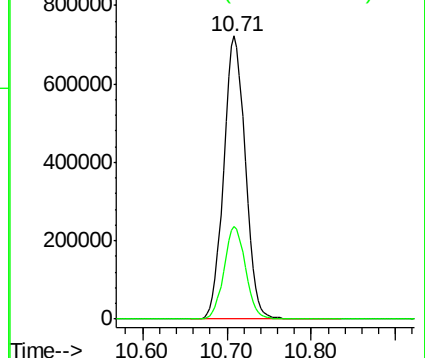
76 100

78 32.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 263.46 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049685.D

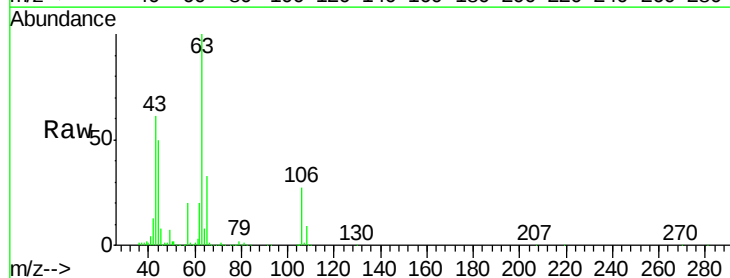
Acq: 3 Jul 2018 9:57

Tgt Ion: 63 Resp: 2333383

Ion Ratio Lower Upper

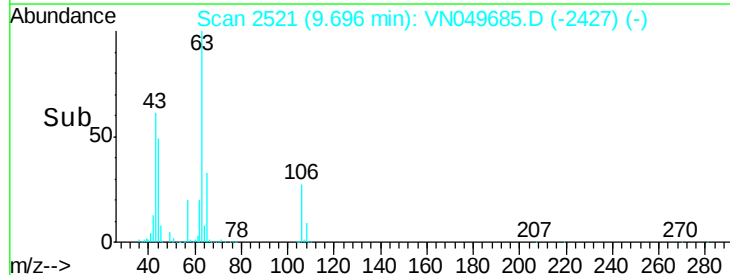
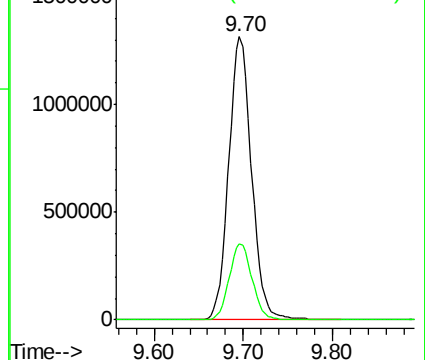
63 100

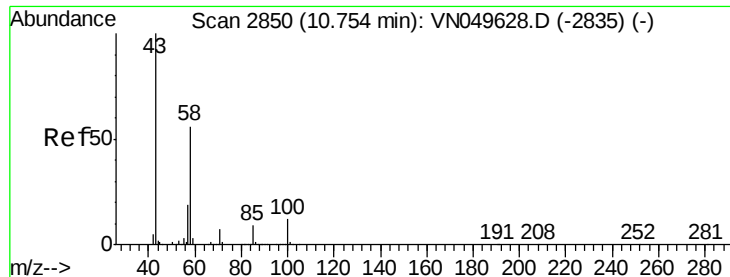
106 27.1 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

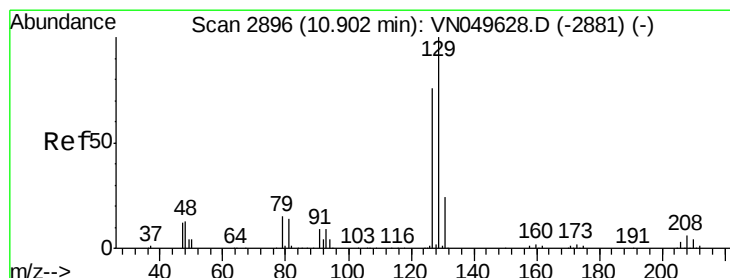
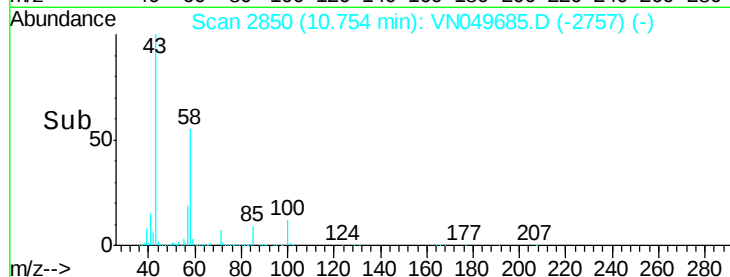
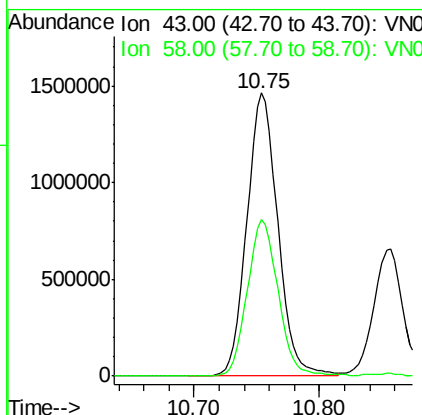
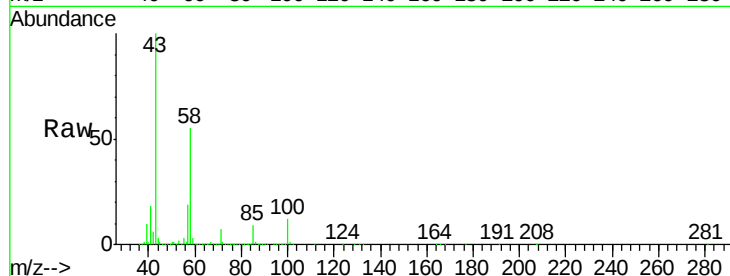




#59
2-Hexanone
Concen: 315.77 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

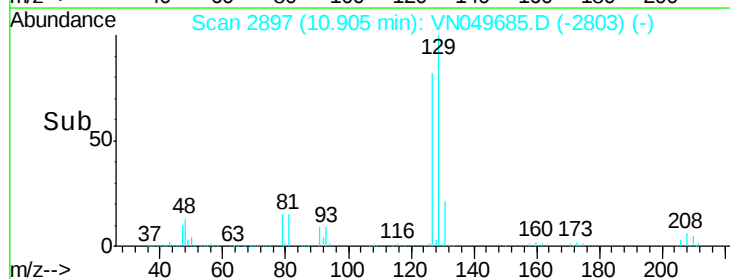
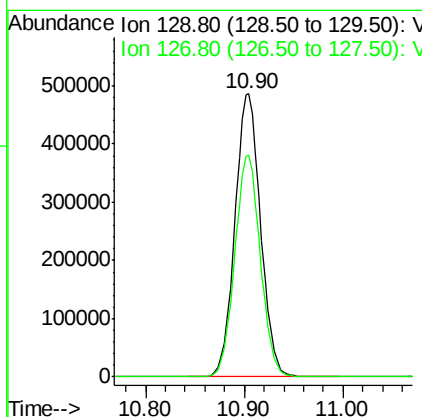
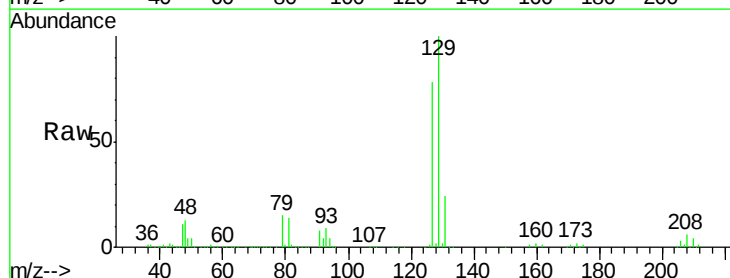
Instrument :
MSVOA_N
ClientSampleId :

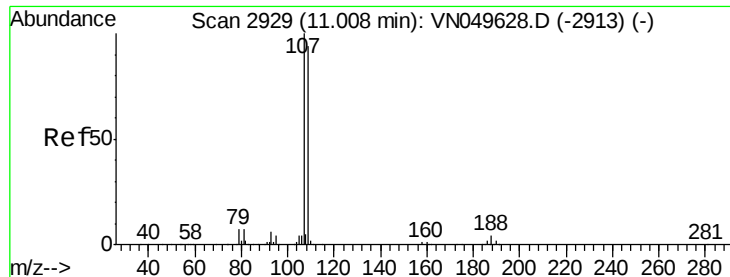
Tot Ion: 43 Resp: 2514517
Ion Ratio Lower Upper
43 100
58 55.2 27.8 83.4



#60
Dibromochloromethane
Concen: 55.98 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 129 Resp: 875101
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 54.62 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

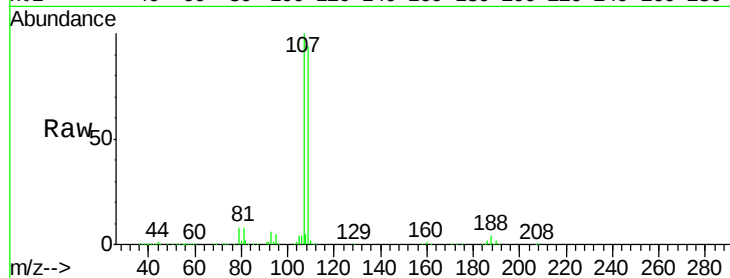
ClientSampleId :

Tot Ion: 107 Resp: 756949

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

11.01

400000

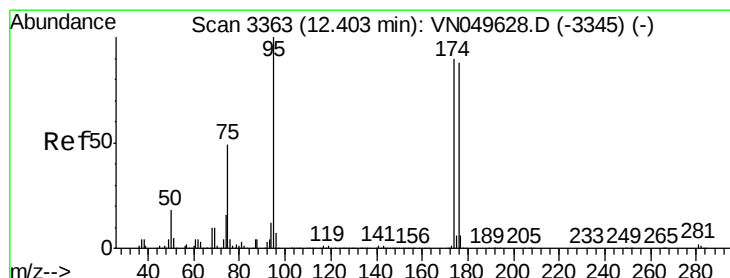
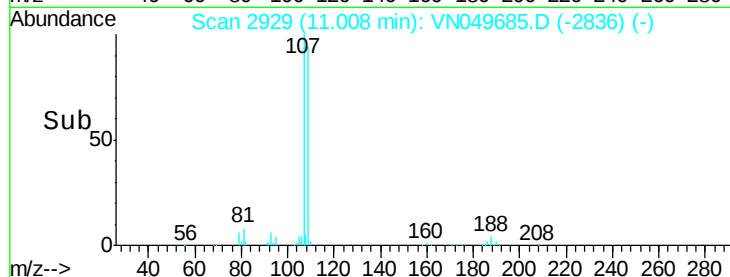
300000

200000

100000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 50.95 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

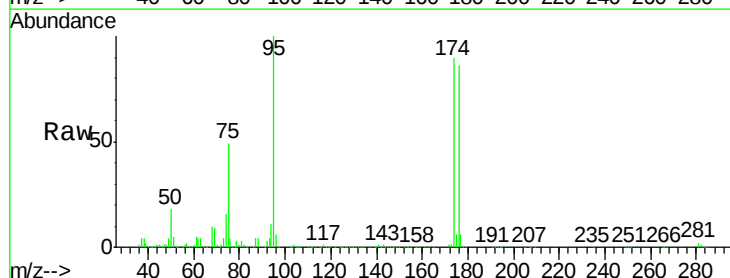
Tgt Ion: 95 Resp: 952753

Ion Ratio Lower Upper

95 100

174 89.8 0.0 179.6

176 86.5 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

12.40

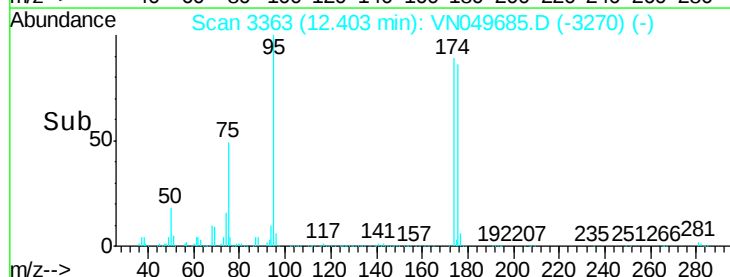
600000

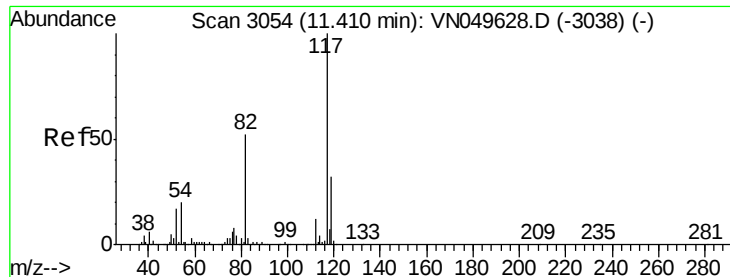
400000

200000

0

Time--> 12.30 12.40 12.50

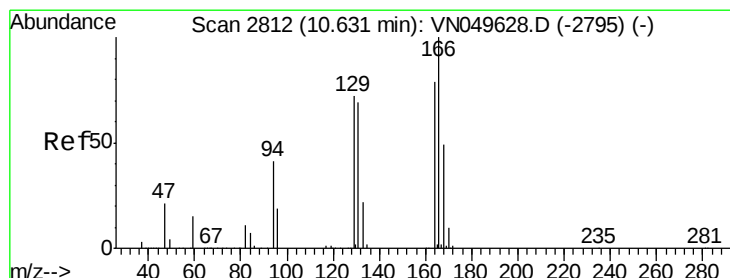
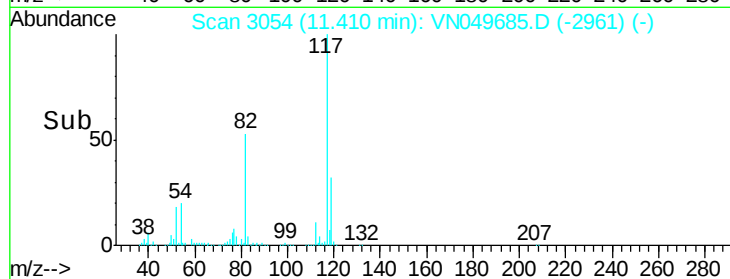
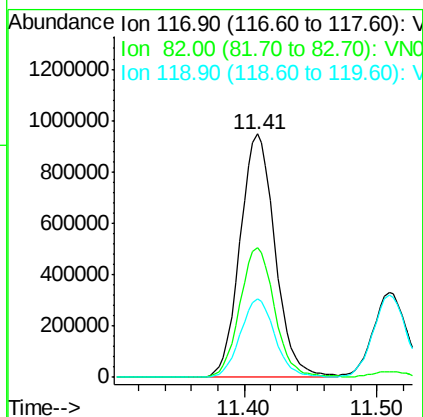
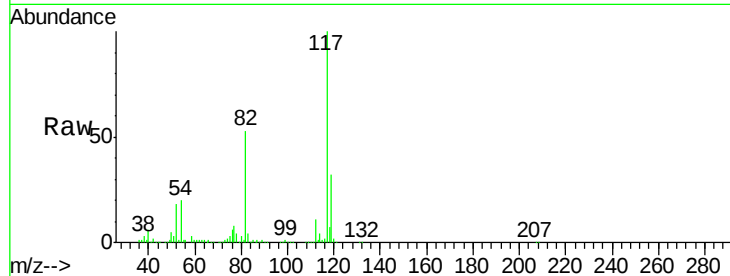




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

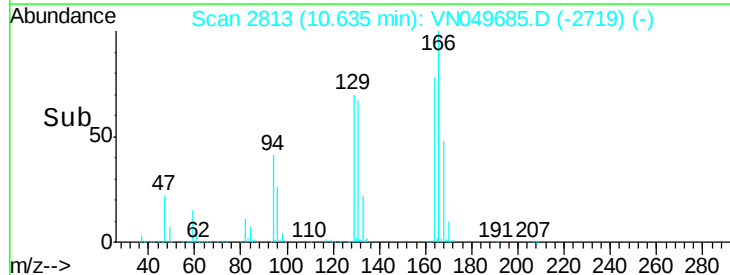
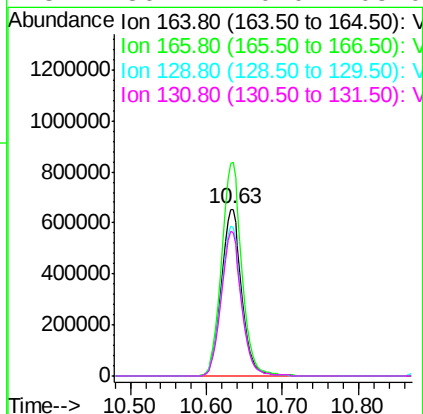
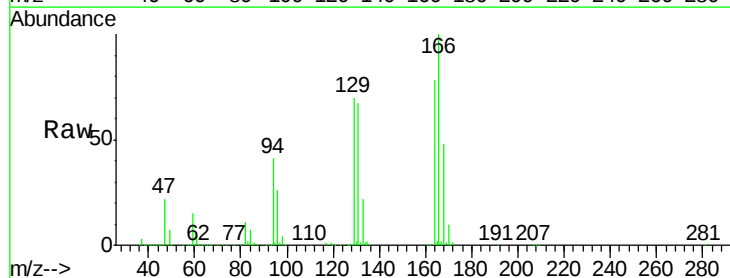
Instrument :
MSVOA_N
ClientSampleId :

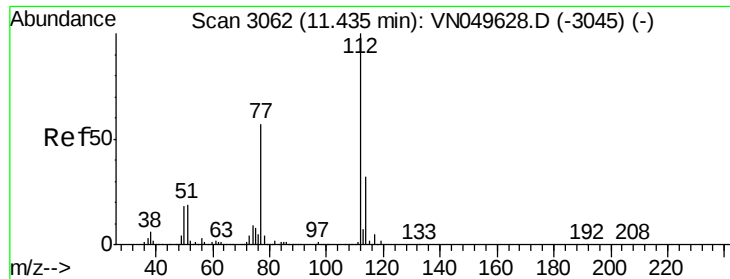
Tot Ion:117 Resp: 1736911
Ion Ratio Lower Upper
117 100
82 53.1 41.9 62.9
119 32.1 25.4 38.2



#64
Tetrachloroethene
Concen: 51.48 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion:164 Resp: 1210737
Ion Ratio Lower Upper
164 100
166 128.0 101.8 152.6
129 89.1 72.8 109.2
131 86.2 70.0 105.0

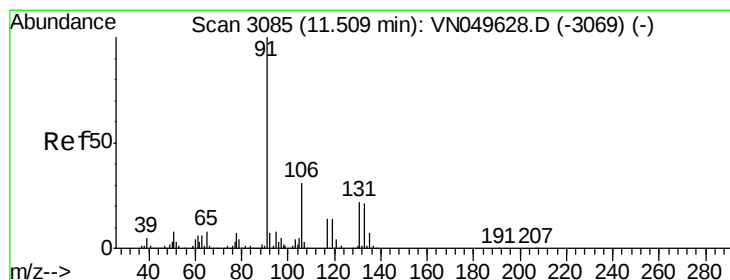
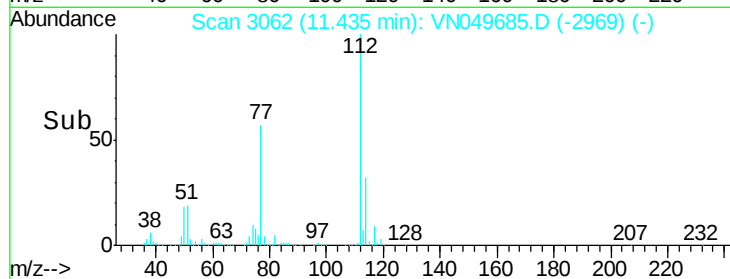
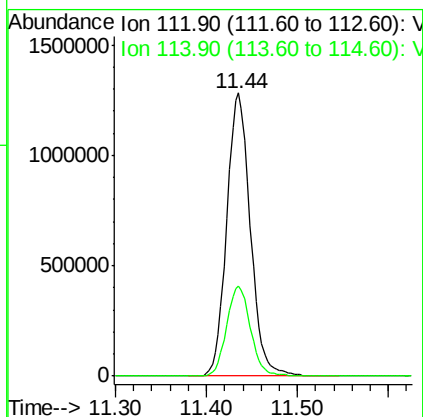
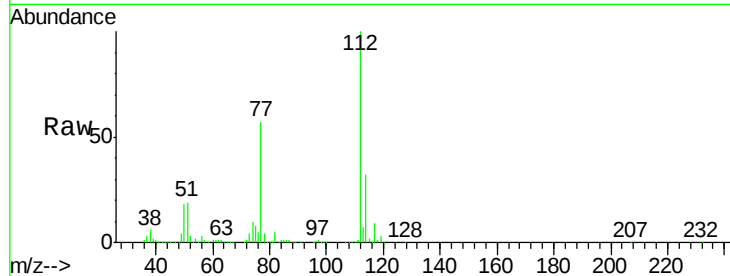




#65
Chlorobenzene
Concen: 51.00 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

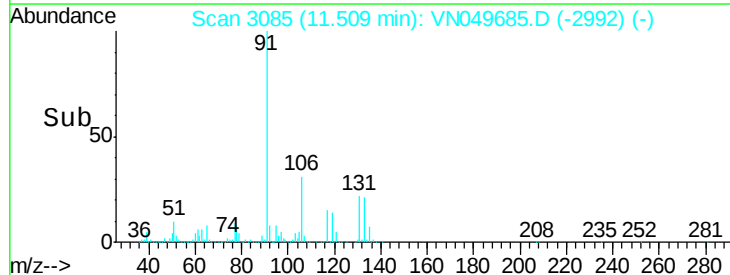
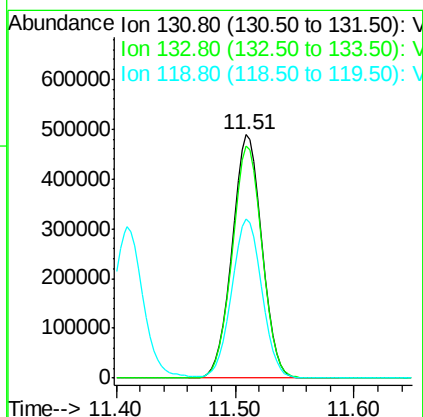
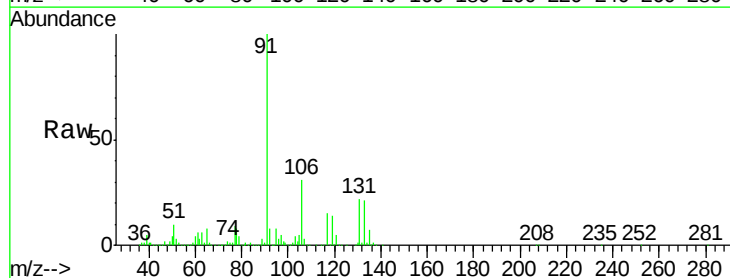
Instrument :
MSVOA_N
ClientSampled :

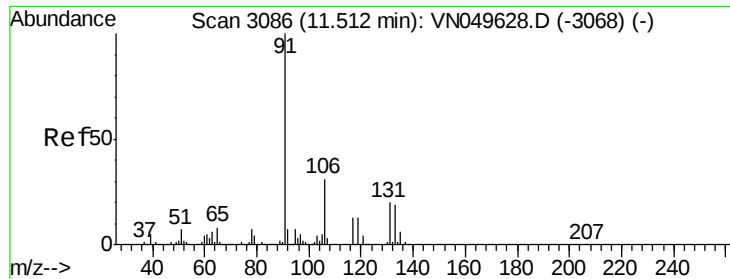
Tot Ion:112 Resp: 2310805
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.07 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion:131 Resp: 847767
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 66.4 33.1 99.3





#67

Ethyl Benzene

Concen: 53.83 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

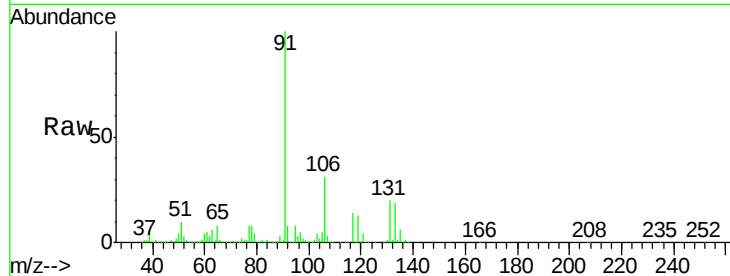
ClientSampled :

Tot Ion: 91 Resp: 4031933

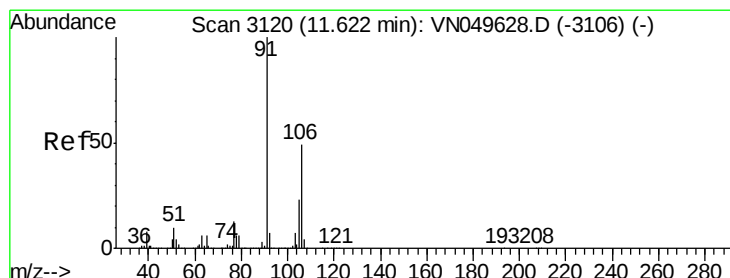
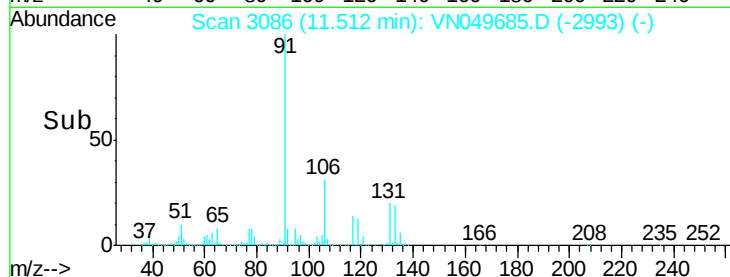
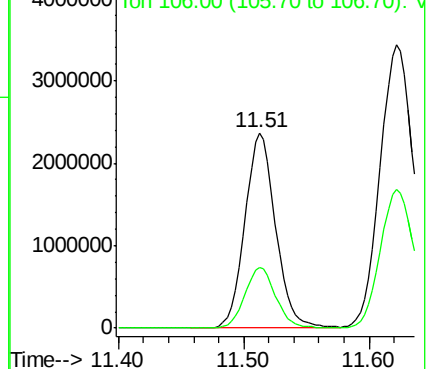
Ion Ratio Lower Upper

91 100

106 31.0 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN049685.D (-2993) (-)



#68

m/p-Xylenes

Concen: 111.39 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049685.D

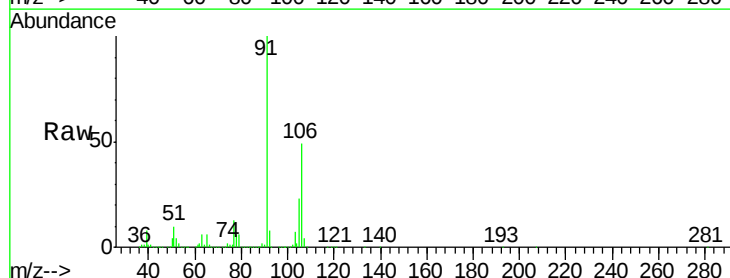
Acq: 3 Jul 2018 9:57

Tgt Ion: 106 Resp: 3197378

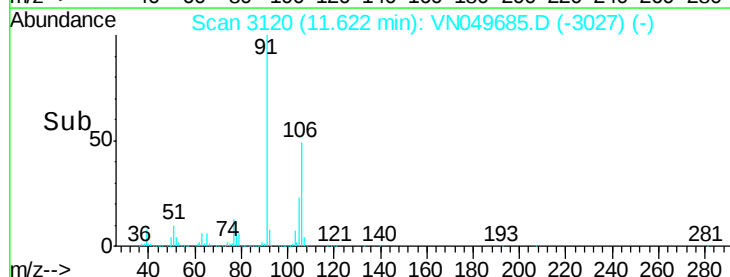
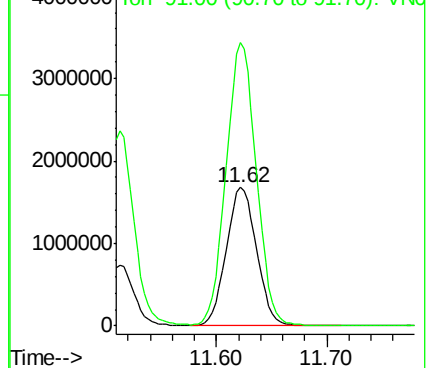
Ion Ratio Lower Upper

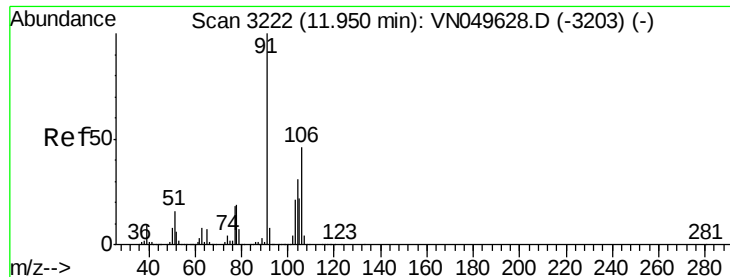
106 100

91 203.9 163.4 245.2



Abundance Ion 106.00 (105.70 to 106.70): VN049685.D (-3027) (-)

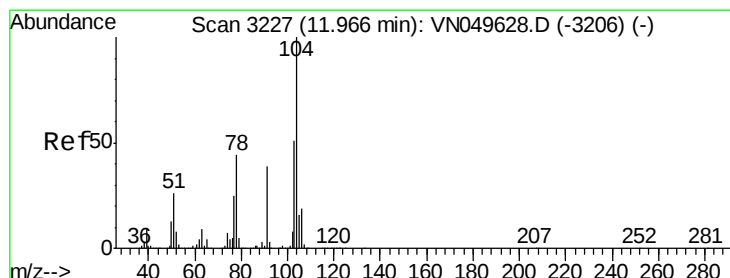
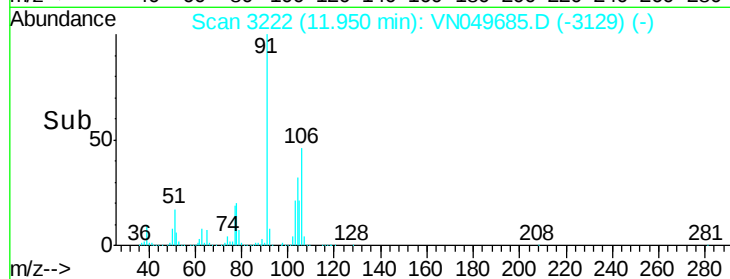
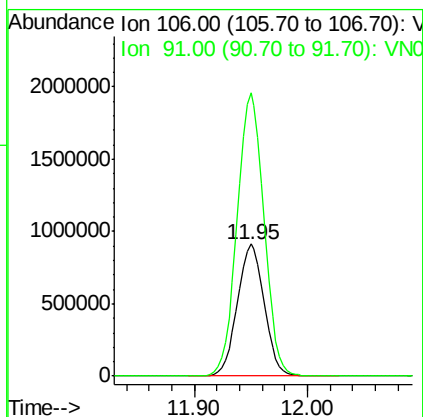
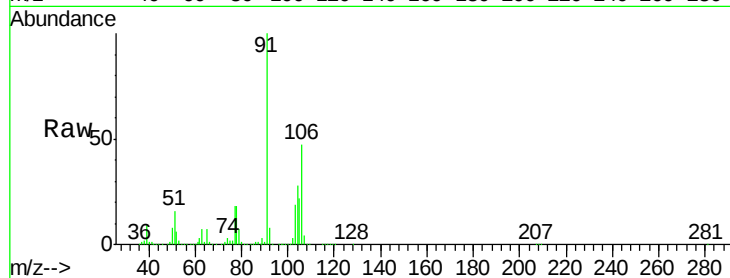




#69
o-Xylene
Concen: 54.97 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

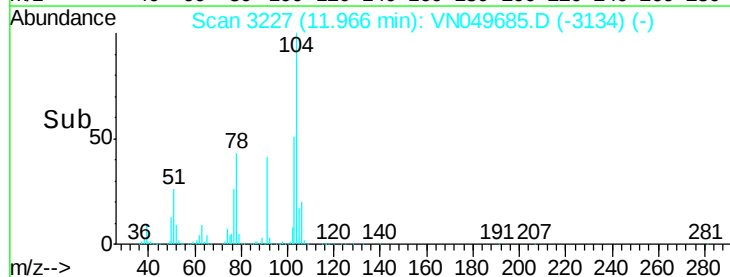
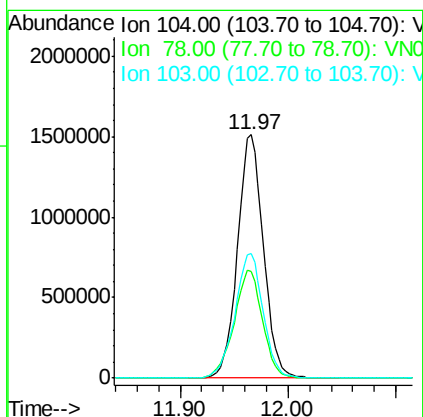
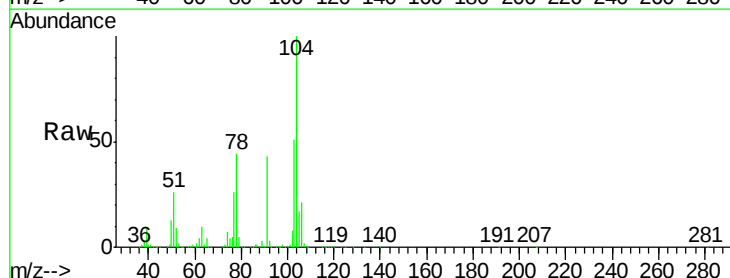
Instrument :
MSVOA_N
ClientSampled :

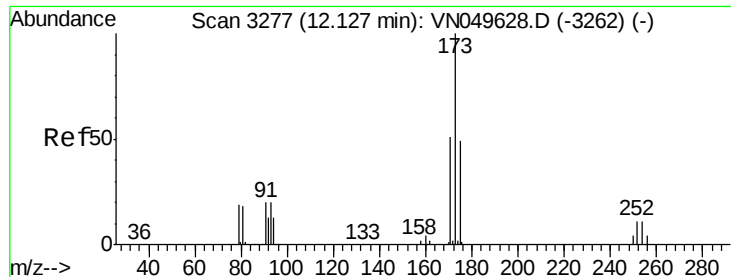
Tot Ion:106 Resp: 1510641
Ion Ratio Lower Upper
106 100
91 214.4 108.7 326.1



#70
Styrene
Concen: 57.01 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion:104 Resp: 2534988
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 55.7 44.6 67.0





#71

Bromoform

Concen: 56.09 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

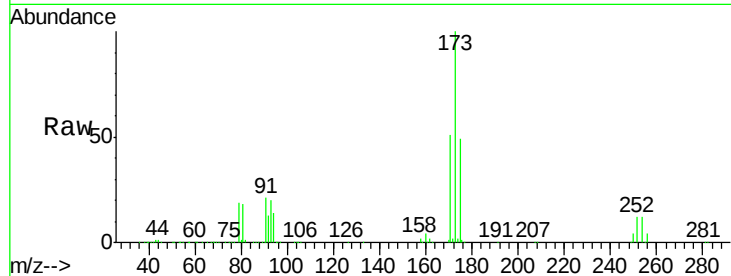
Tot Ion:173 Resp: 606839

Ion Ratio Lower Upper

173 100

175 48.8 24.6 73.8

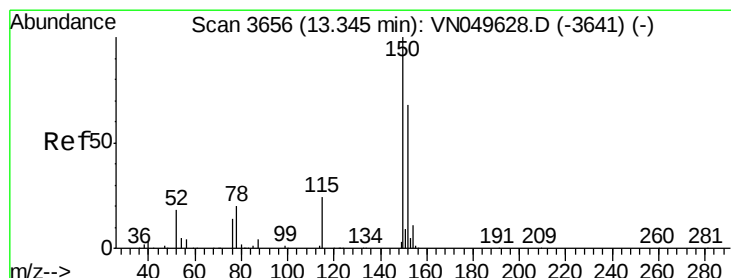
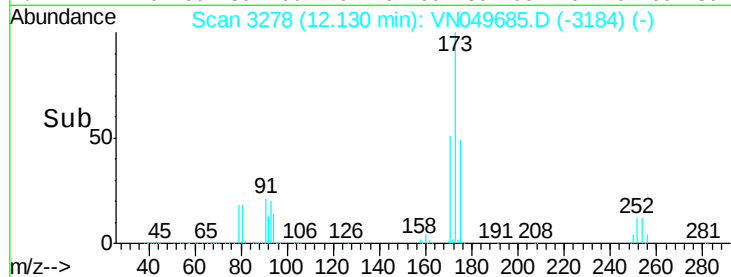
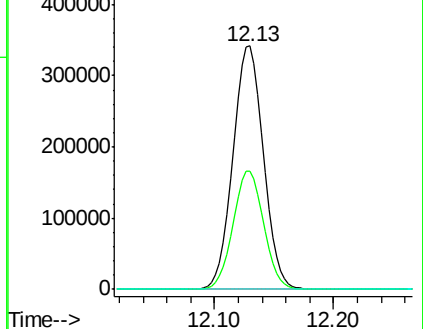
254 0.2 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

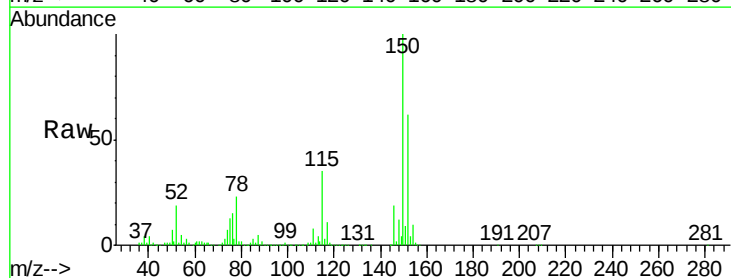
Tgt Ion:152 Resp: 1018333

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

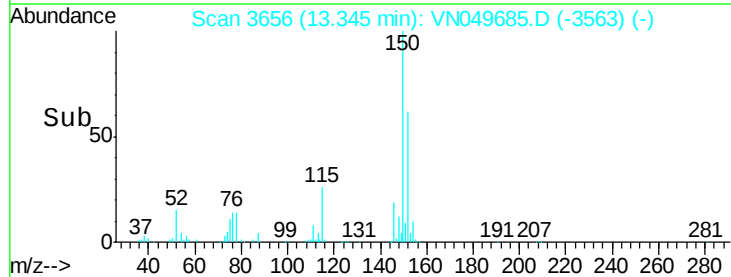
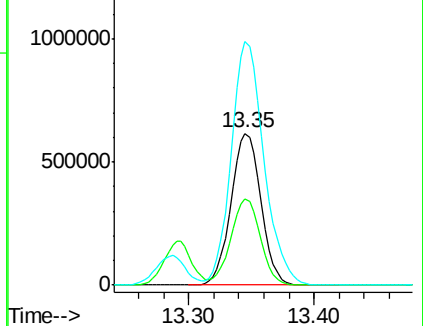
150 175.7 0.0 347.6

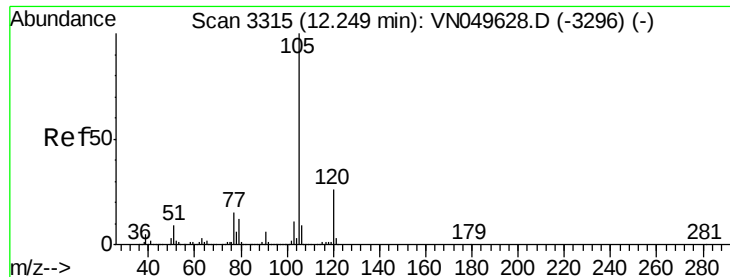


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.41 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

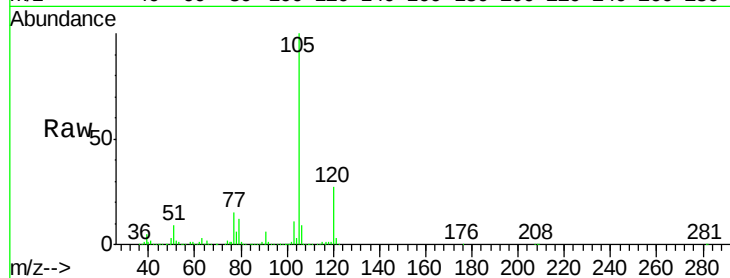
ClientSampled :

Tot Ion:105 Resp: 4007586

Ion Ratio Lower Upper

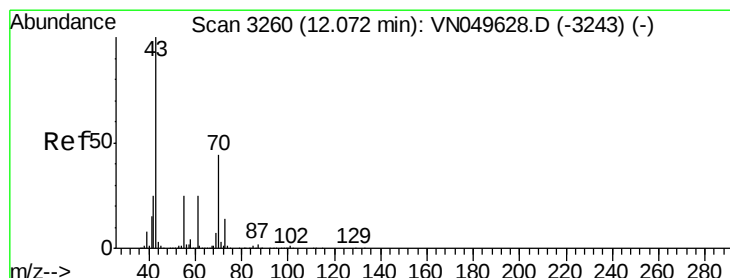
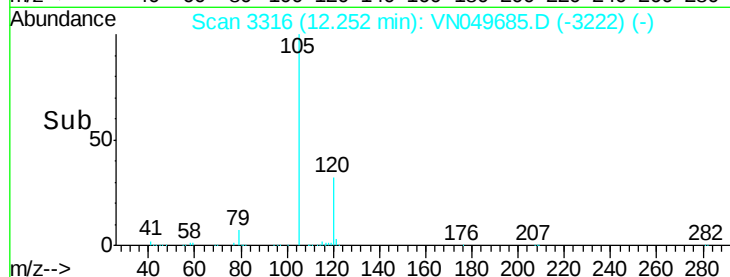
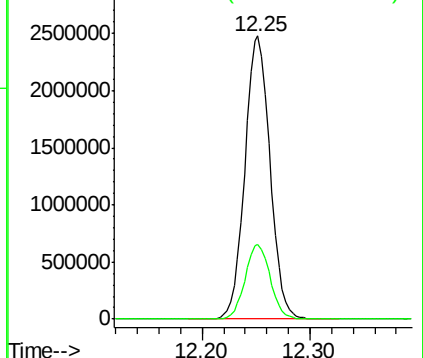
105 100

120 26.4 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: 52.03 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Tgt Ion: 43 Resp: 1152867

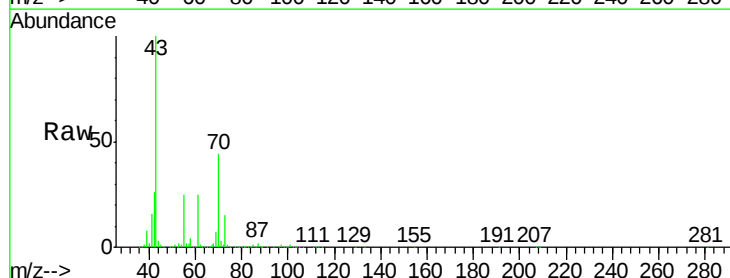
Ion Ratio Lower Upper

43 100

70 43.6 34.8 52.2

55 26.2 20.9 31.3

61 24.6 19.9 29.9

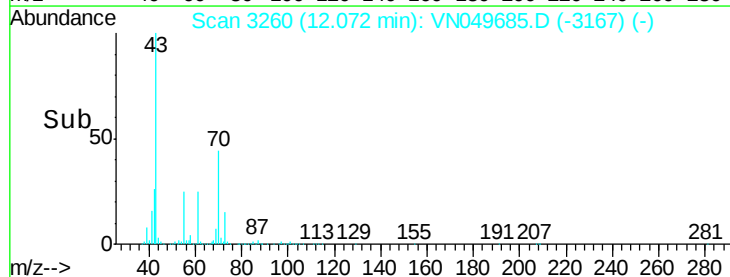
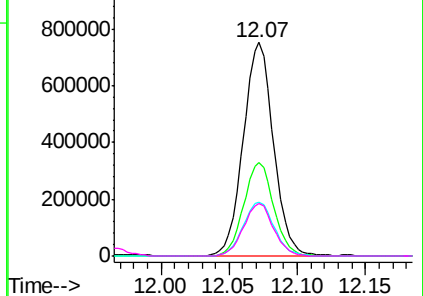


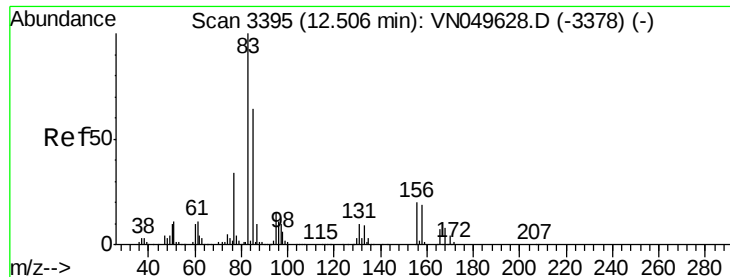
Abundance Ion 43.00 (42.70 to 43.70): V

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: 53.47 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampleId :

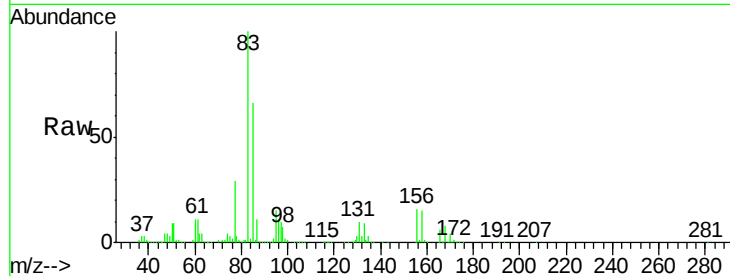
Tot Ion: 83 Resp: 899016

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

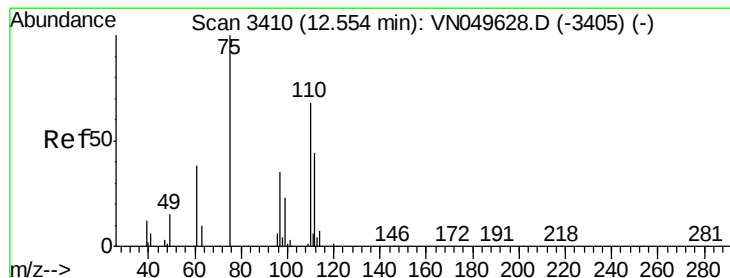
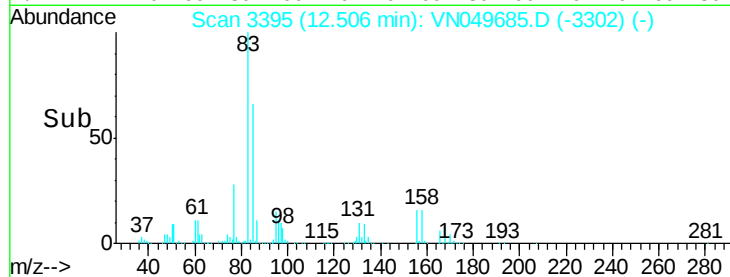
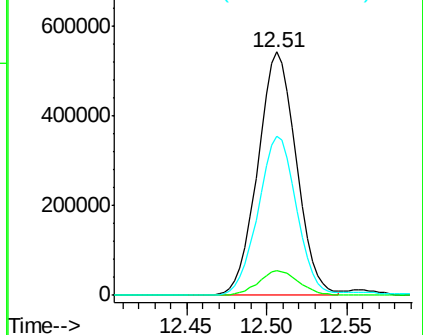
85 65.5 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 73.11 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049685.D

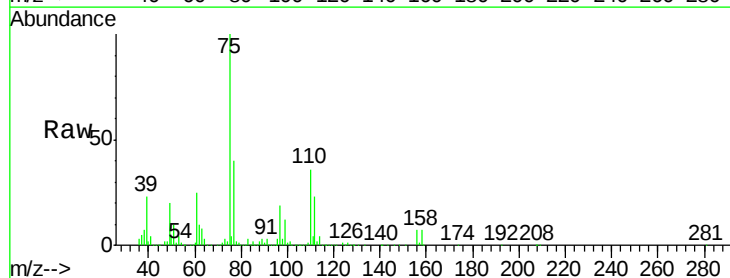
Acq: 3 Jul 2018 9:57

Tgt Ion: 75 Resp: 1194061

Ion Ratio Lower Upper

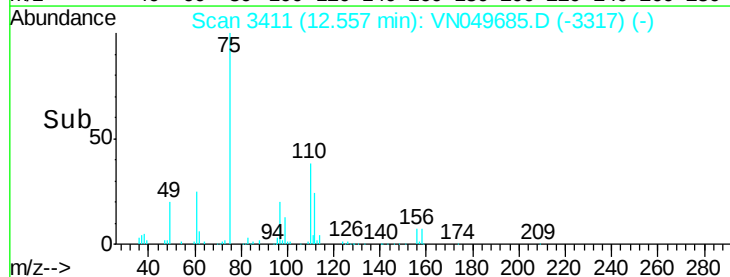
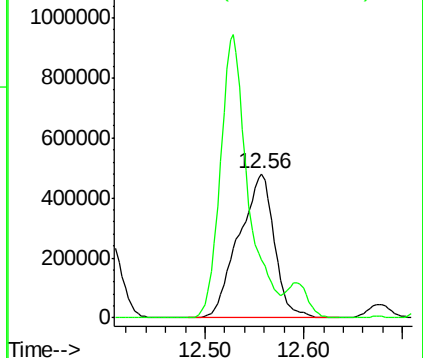
75 100

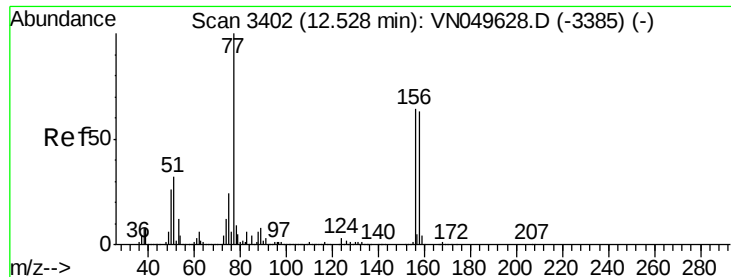
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 46.41 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

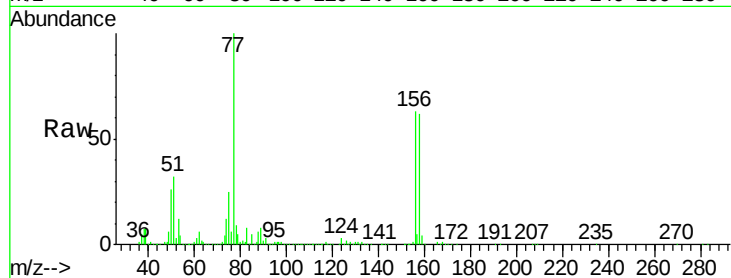
Tot Ion:156 Resp: 1023612

Ion Ratio Lower Upper

156 100

77 181.6 90.2 270.6

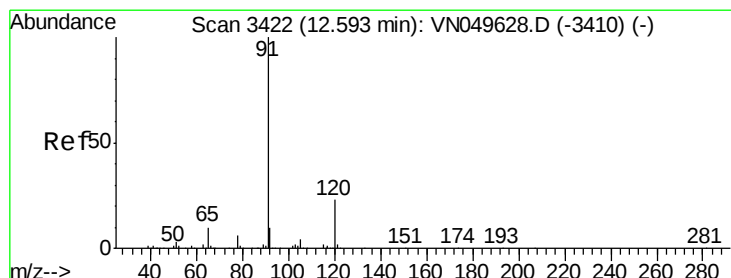
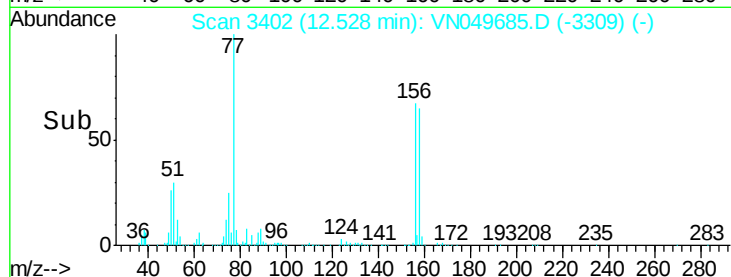
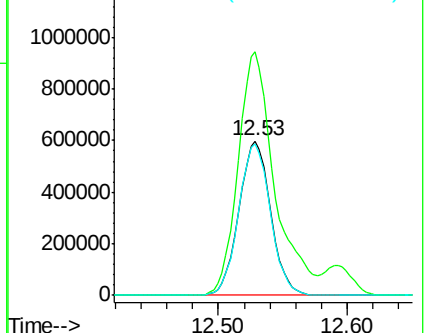
158 98.5 49.1 147.3



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: 51.83 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049685.D

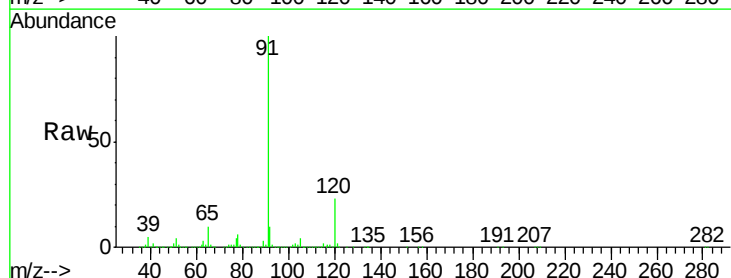
Acq: 3 Jul 2018 9:57

Tgt Ion: 91 Resp: 4818300

Ion Ratio Lower Upper

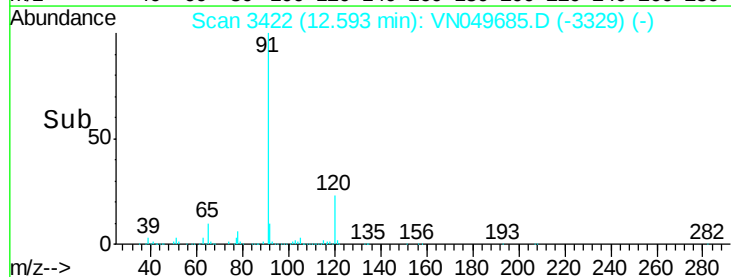
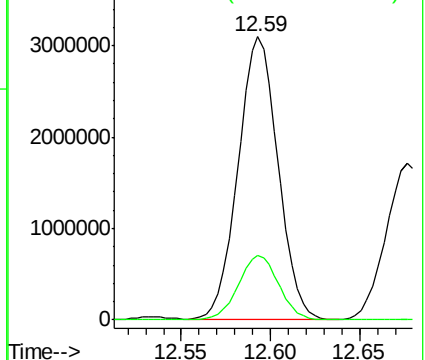
91 100

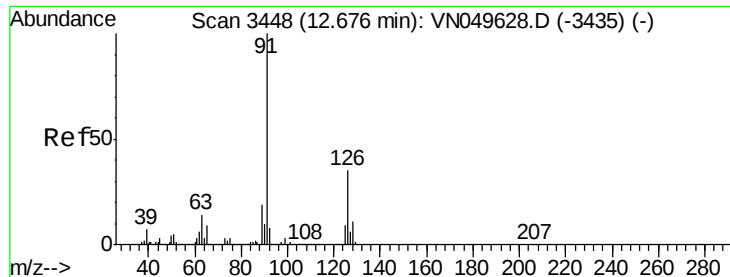
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.14 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

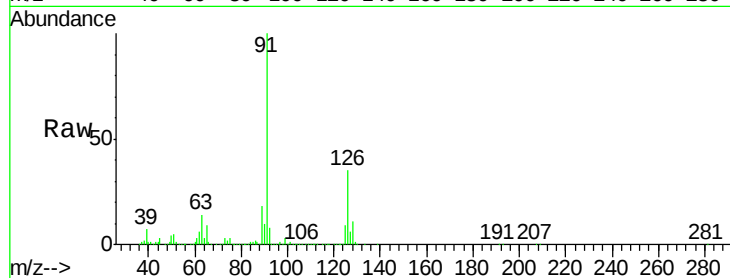
ClientSampled :

Tot Ion: 91 Resp: 2832100

Ion Ratio Lower Upper

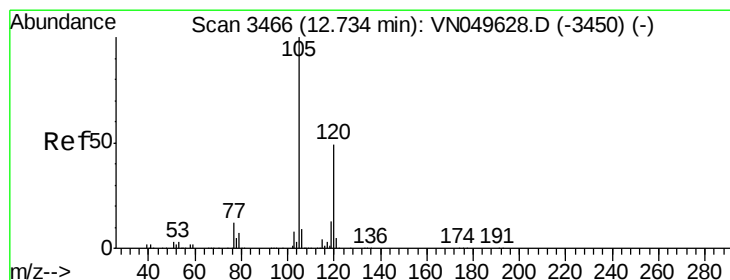
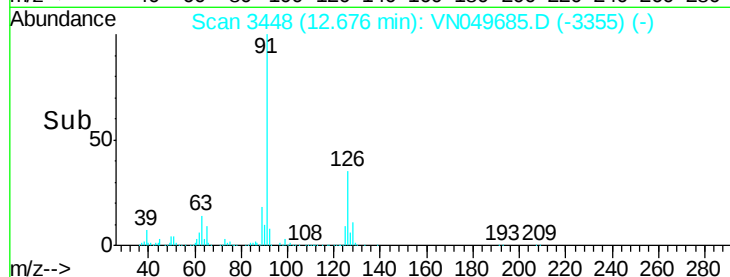
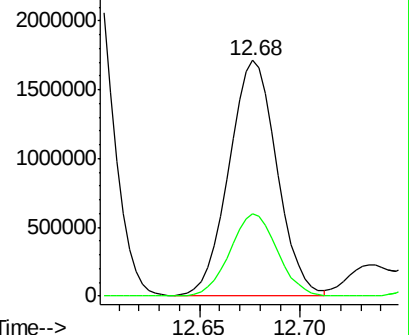
91 100

126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049628.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.02 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049685.D

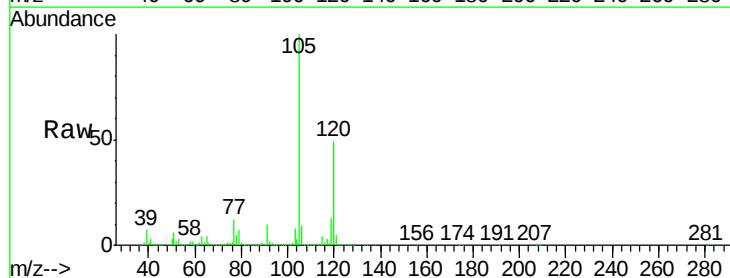
Acq: 3 Jul 2018 9:57

Tgt Ion:105 Resp: 3506291

Ion Ratio Lower Upper

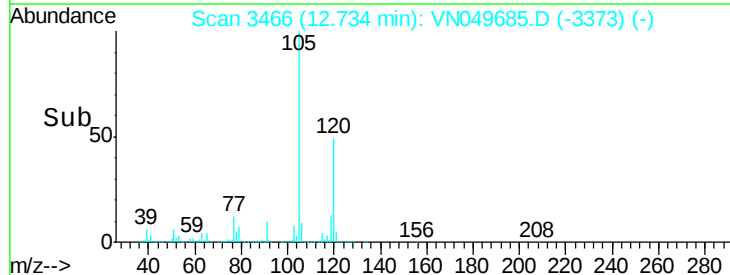
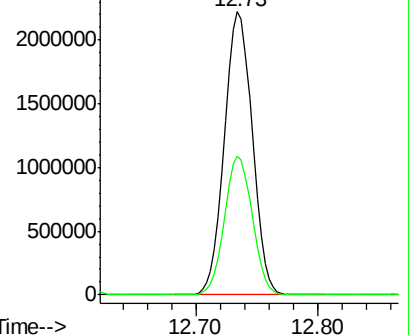
105 100

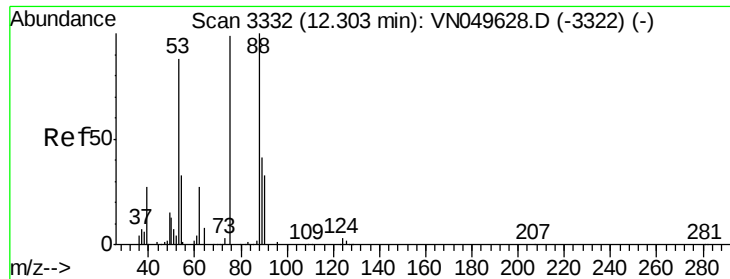
120 48.8 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3450) (-)

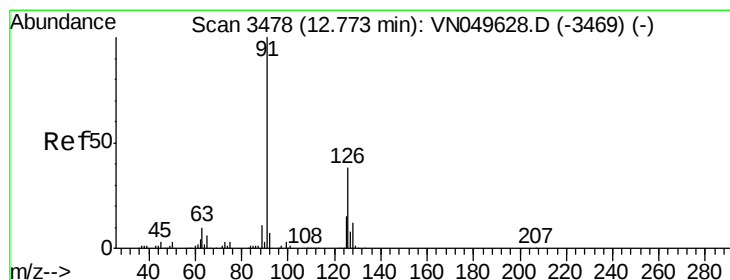
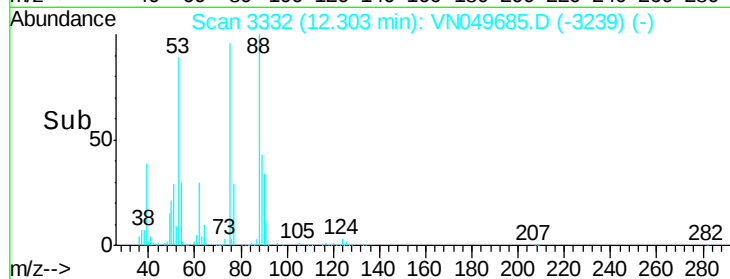
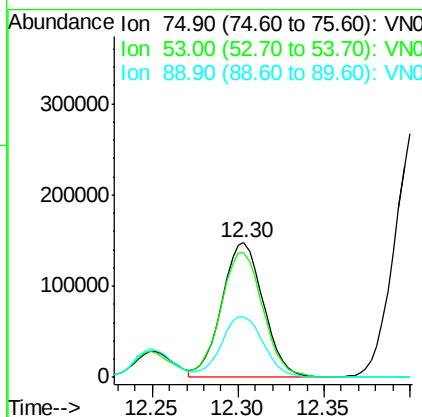
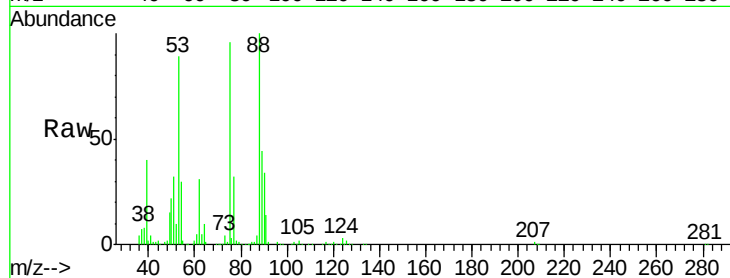




#81
trans-1,4-Dichloro-2-butene
Concen: 51.33 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

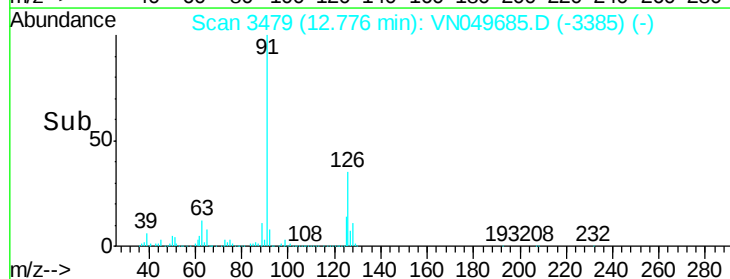
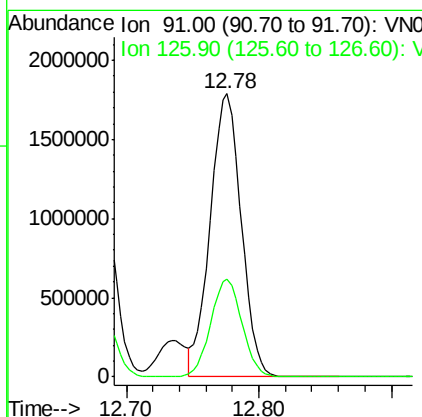
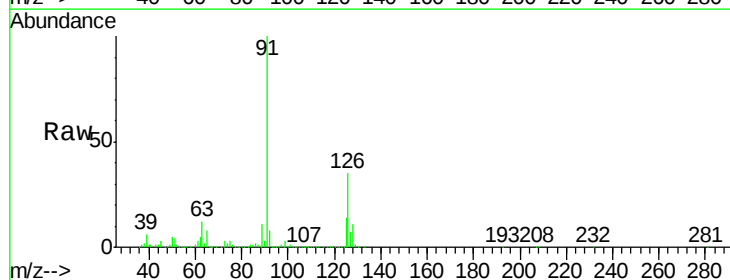
Instrument :
MSVOA_N
ClientSampleId :

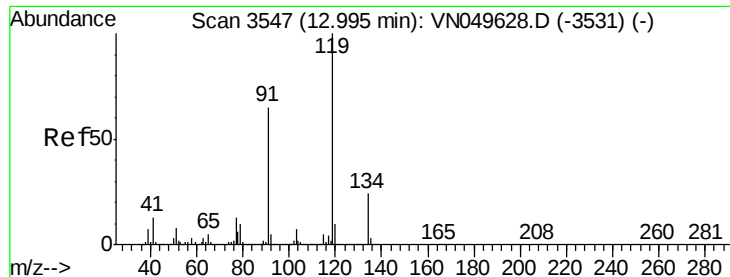
Tot Ion: 75 Resp: 246829
Ion Ratio Lower Upper
75 100
53 94.3 73.9 110.9
89 46.3 35.9 53.9



#82
4-Chlorotoluene
Concen: 49.15 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049685.D
Acq: 3 Jul 2018 9:57

Tgt Ion: 91 Resp: 2907572
Ion Ratio Lower Upper
91 100
126 34.7 17.2 51.6

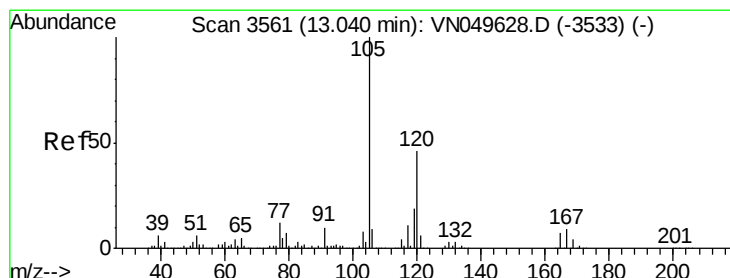
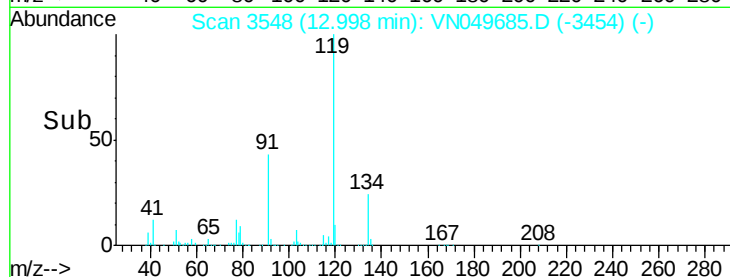
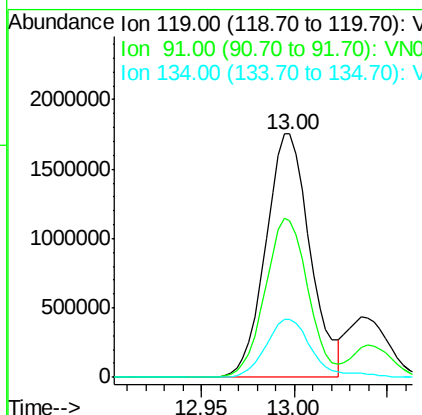
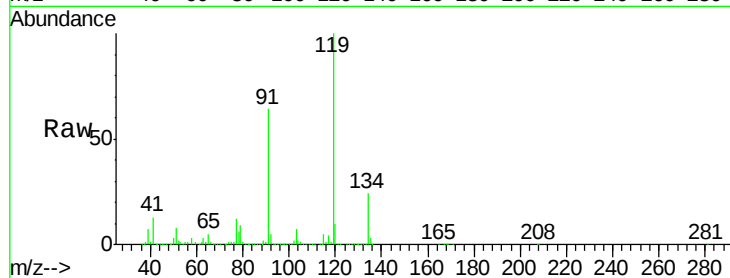




#83
 tert-Butylbenzene
 Concen: 50.50 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

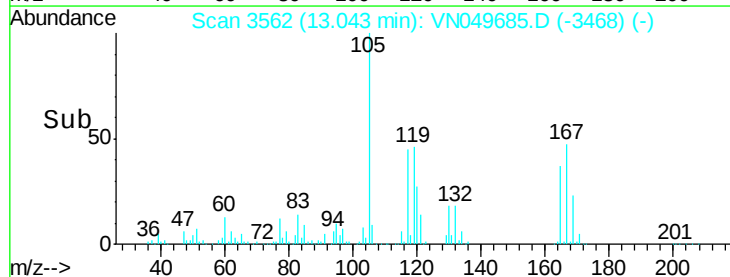
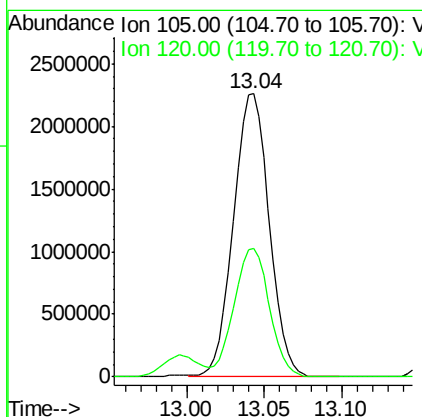
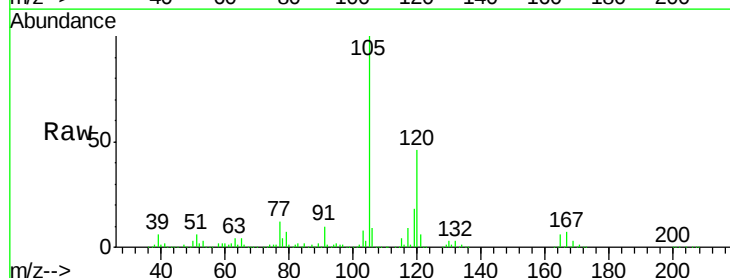
Instrument :
 MSVOA_N
 ClientSampled :

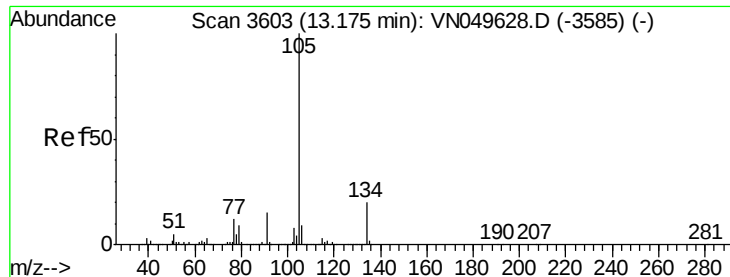
Tot Ion:119 Resp: 2923910
 Ion Ratio Lower Upper
 119 100
 91 63.5 32.0 96.2
 134 25.0 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 52.21 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion:105 Resp: 3616152
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.7 68.1





#85

sec-Butylbenzene

Concen: 52.22 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

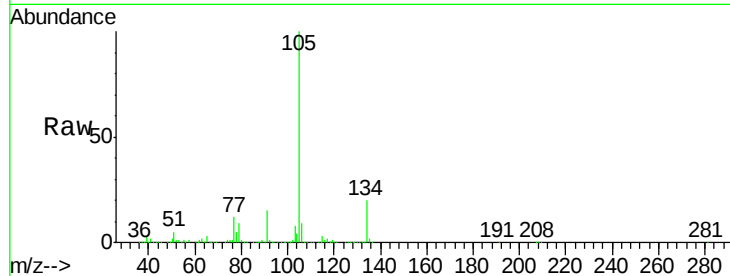
ClientSampled :

Tot Ion:105 Resp: 4006504

Ion Ratio Lower Upper

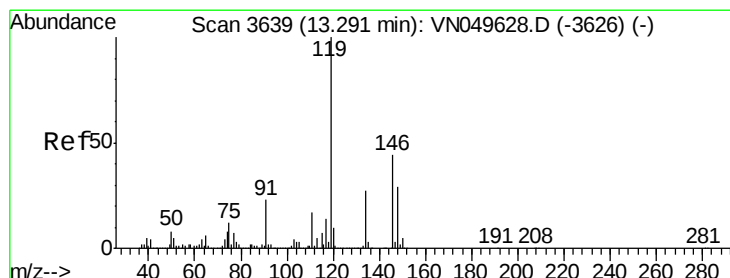
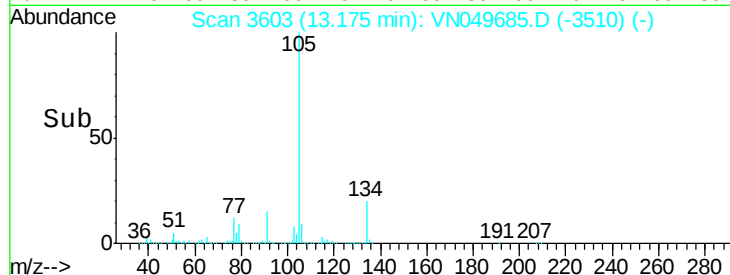
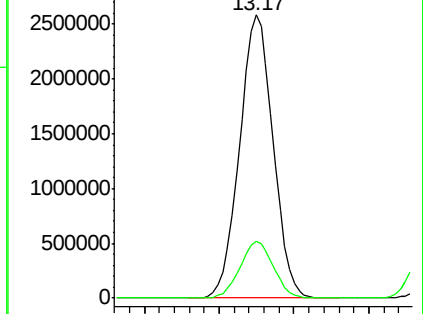
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.20 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

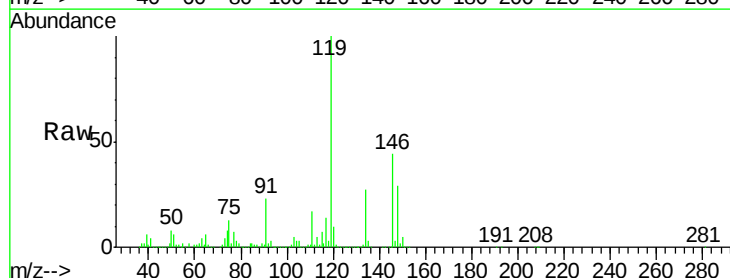
Tgt Ion:119 Resp: 3601358

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

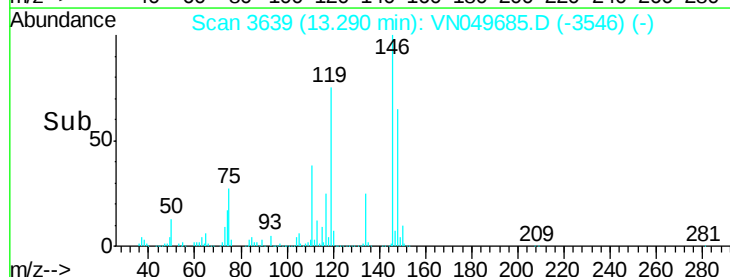
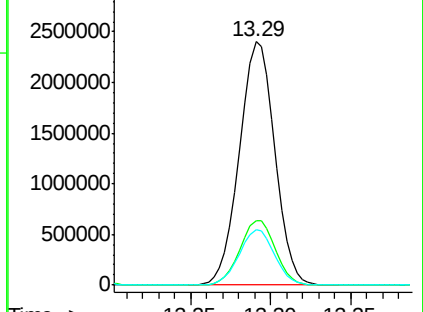
91 22.7 11.4 34.1

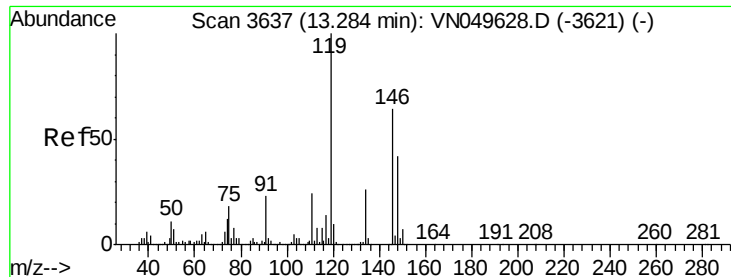


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.89 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

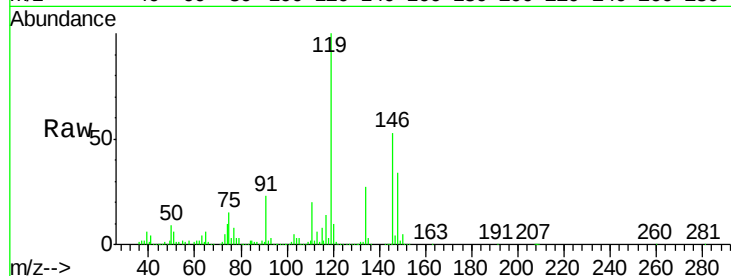
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 1937565

Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.0	57.0
148	64.1	32.5	97.5

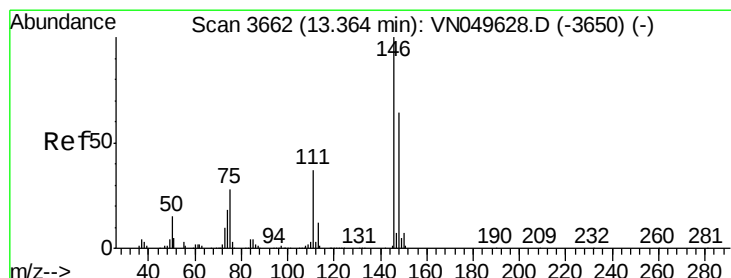
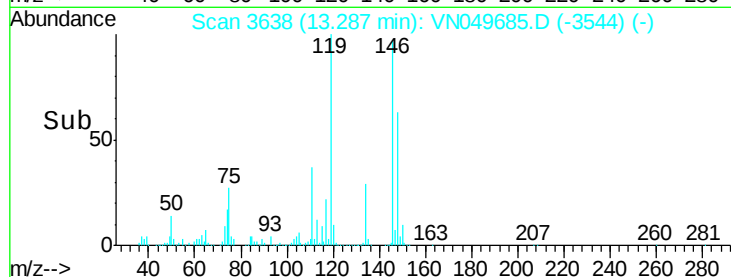
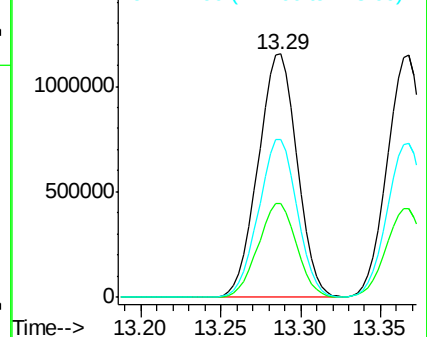


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.50 ug/l

RT: 13.37 min Scan# 3663

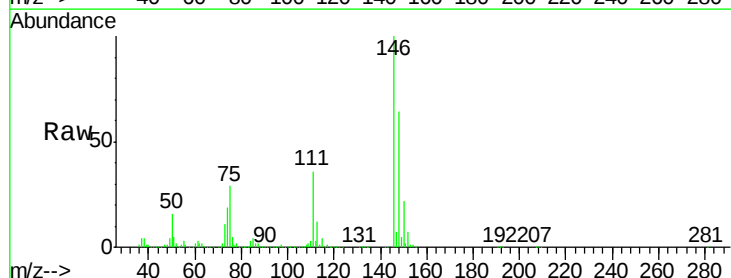
Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Tgt Ion:146 Resp: 1889016

Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.5
148	64.5	32.1	96.3

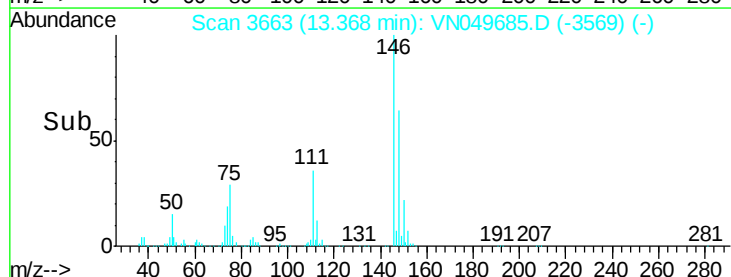
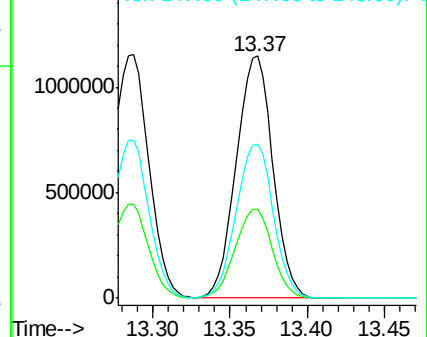


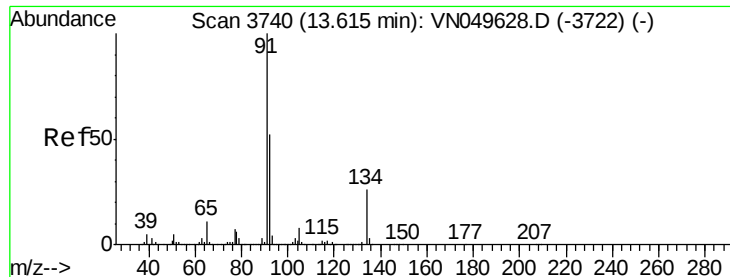
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.26 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

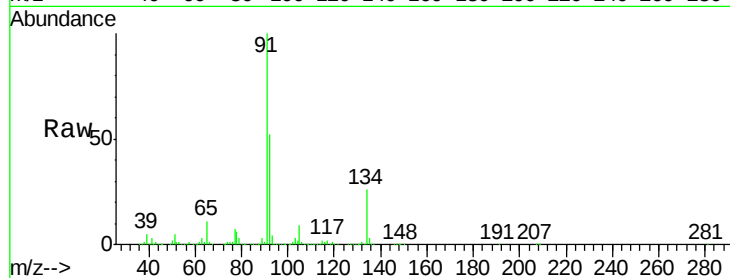
Tot Ion: 91 Resp: 3029917

Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.3
134	25.9	13.0	38.9

91 100

92 51.5 25.8 77.3

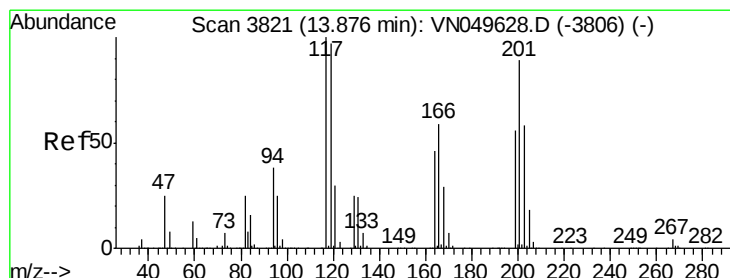
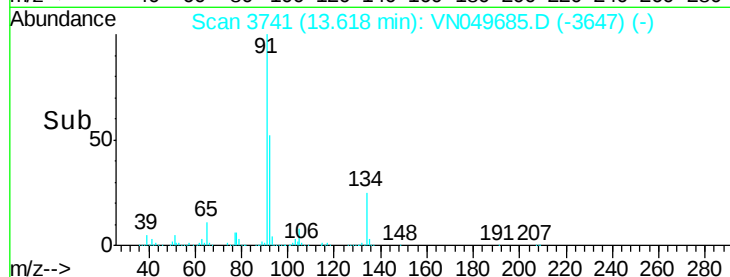
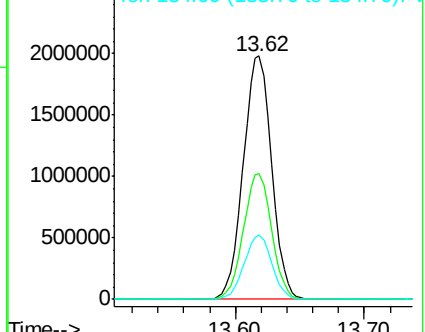
134 25.9 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3722) (-)

Ion 92.00 (91.70 to 92.70): VN049628.D (-3722) (-)

Ion 134.00 (133.70 to 134.70): VN049628.D (-3722) (-)



#90

Hexachloroethane

Concen: 52.25 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN049685.D

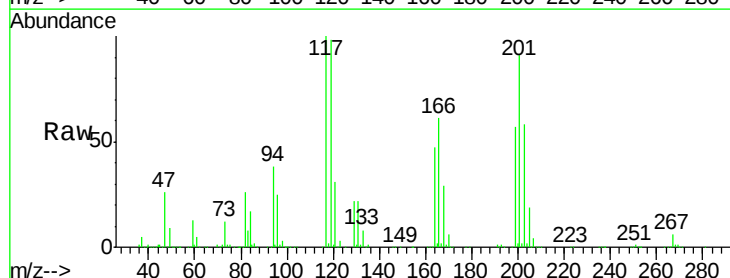
Acq: 3 Jul 2018 9:57

Tgt Ion: 117 Resp: 364675

Ion	Ratio	Lower	Upper
117	100		
201	91.1	45.3	135.8

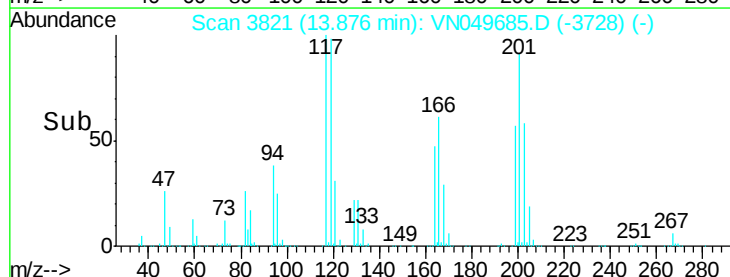
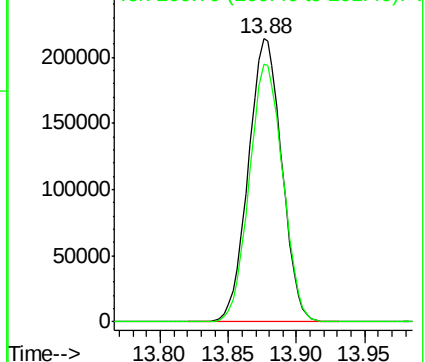
117 100

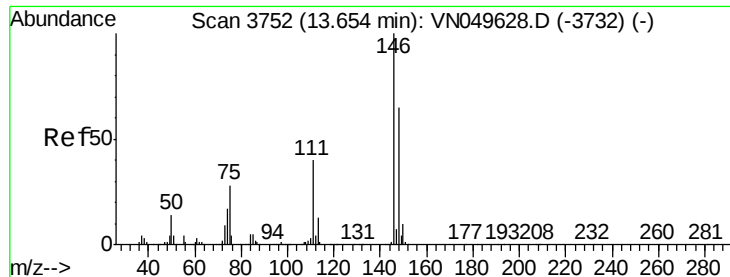
201 91.1 45.3 135.8



Abundance Ion 116.80 (116.50 to 117.50): VN049628.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN049628.D (-3806) (-)





#91

1,2-Dichlorobenzene

Concen: 52.60 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

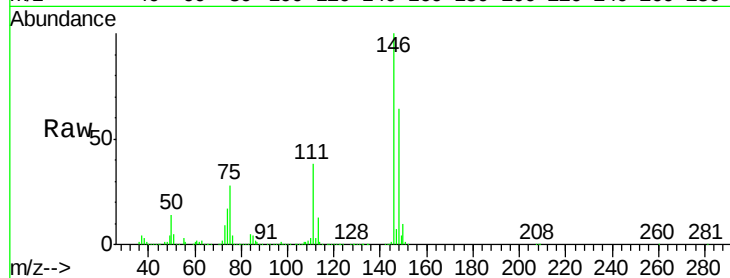
Tot Ion:146 Resp: 1884875

Ion Ratio Lower Upper

146 100

111 38.8 19.7 59.1

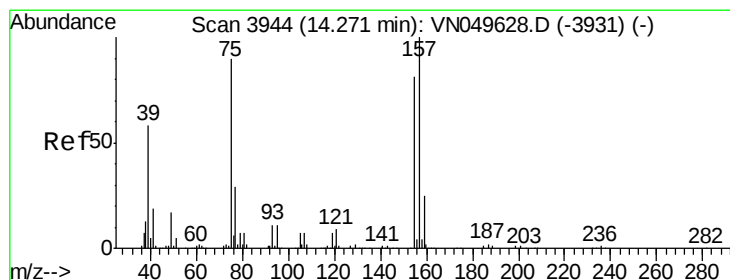
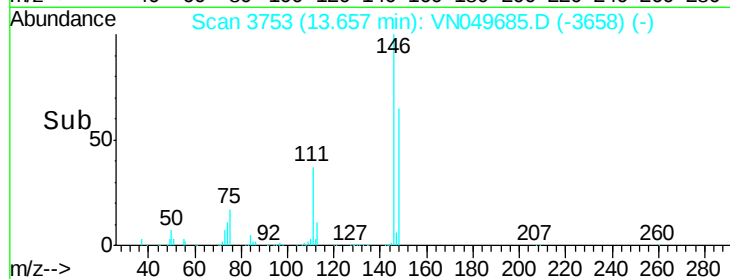
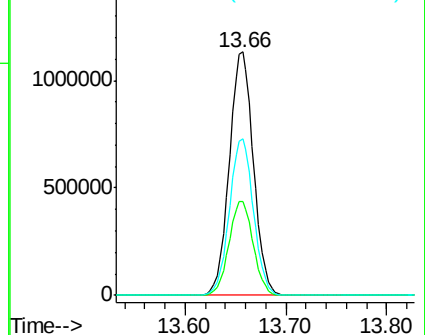
148 64.3 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.80 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

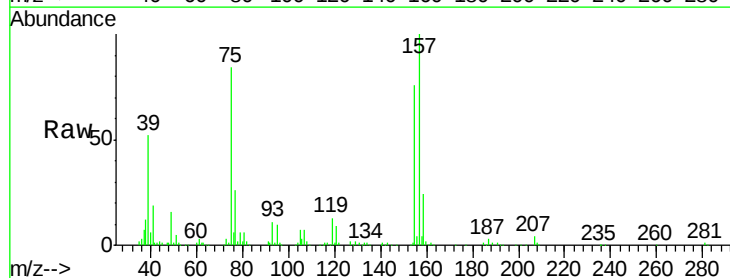
Tgt Ion: 75 Resp: 151921

Ion Ratio Lower Upper

75 100

155 88.8 45.7 137.1

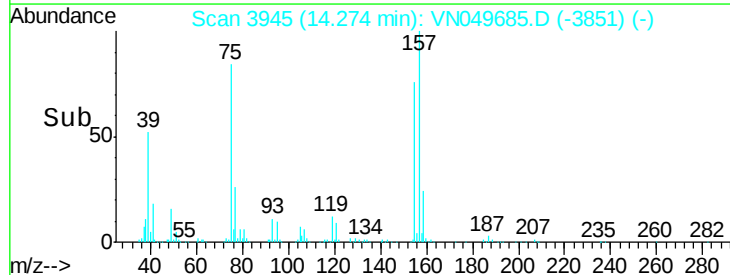
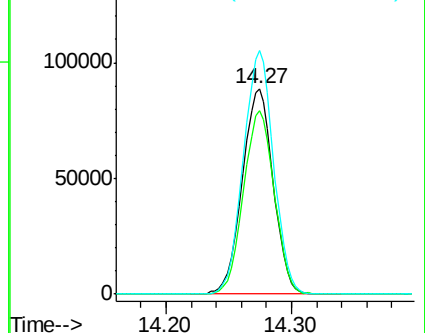
157 115.9 56.9 170.7

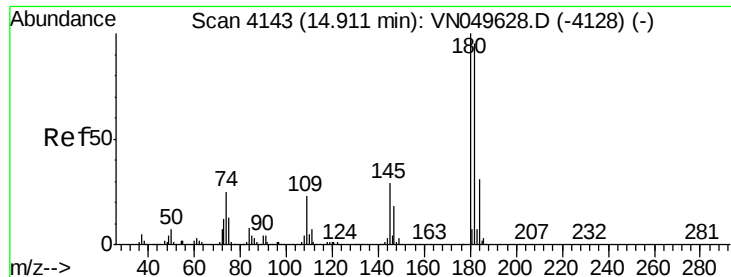


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

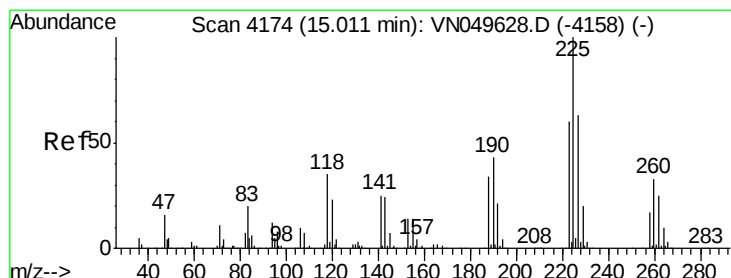
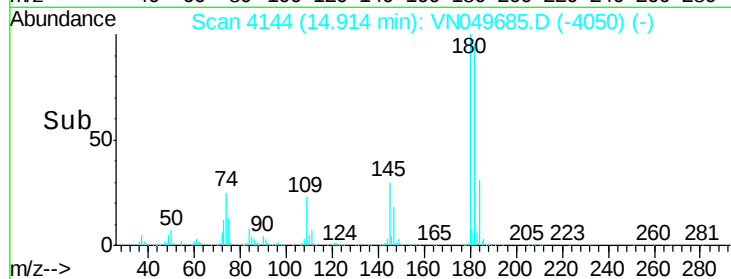
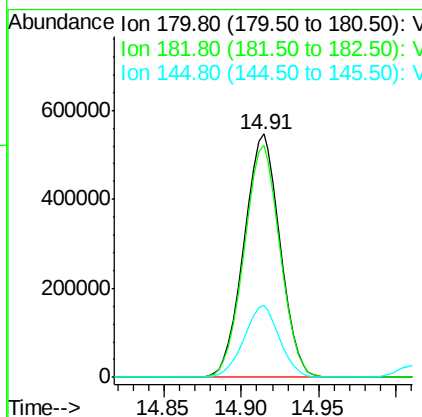
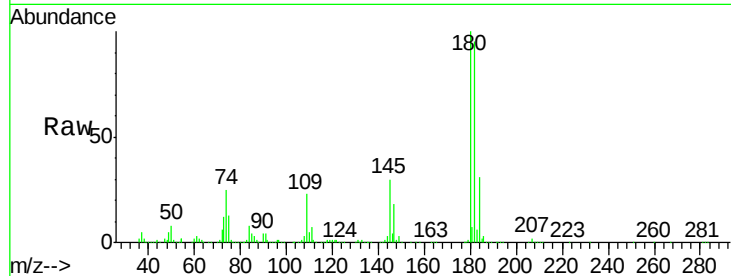




#93
 1,2,4-Trichlorobenzene
 Concen: 47.37 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

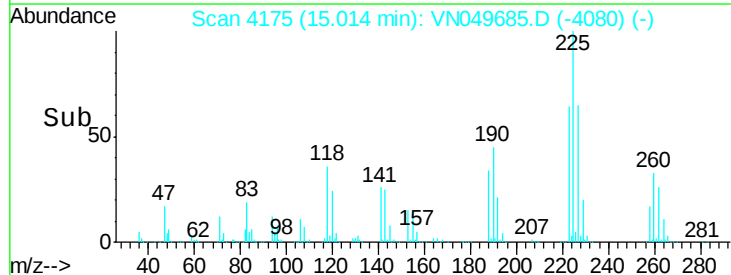
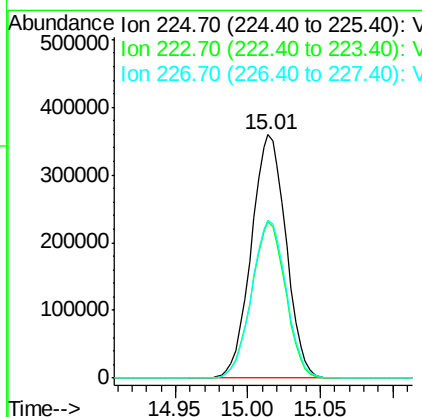
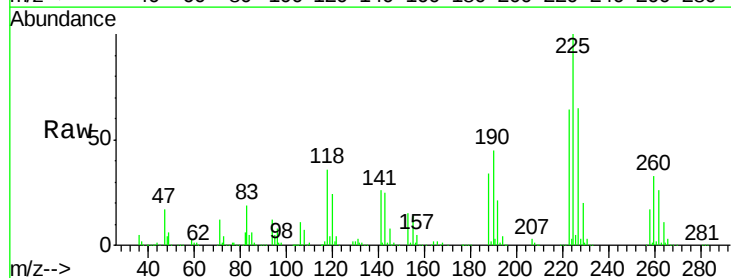
Instrument :
 MSVOA_N
 ClientSampled :

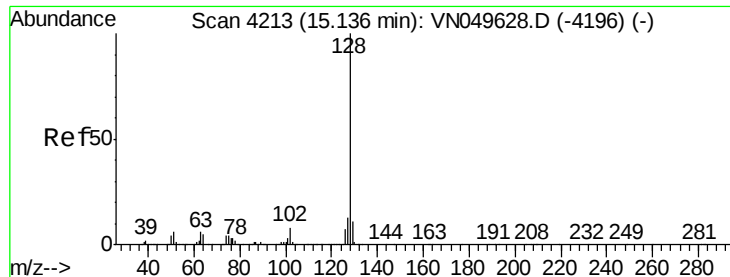
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.9
145	29.0	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 55.47 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049685.D
 Acq: 3 Jul 2018 9:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.9	92.7
227	64.6	31.8	95.4





#95

Naphthalene

Concen: 45.68 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

Instrument :

MSVOA_N

ClientSampled :

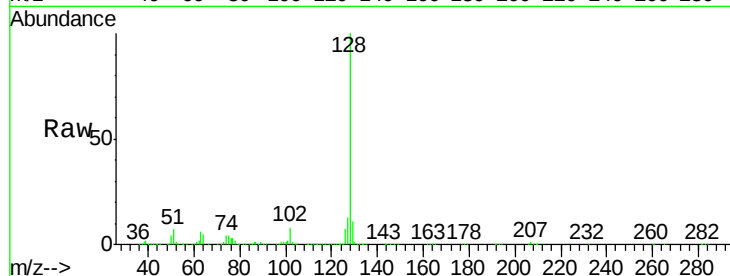
Tot Ion:128 Resp: 1873426

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

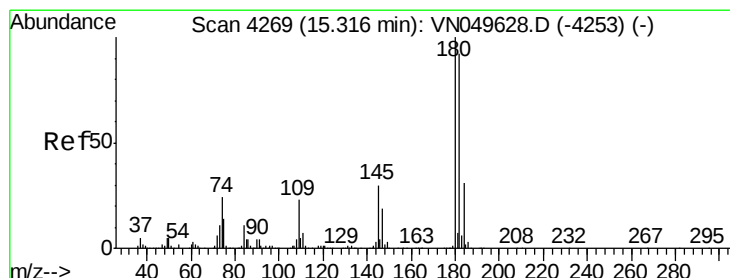
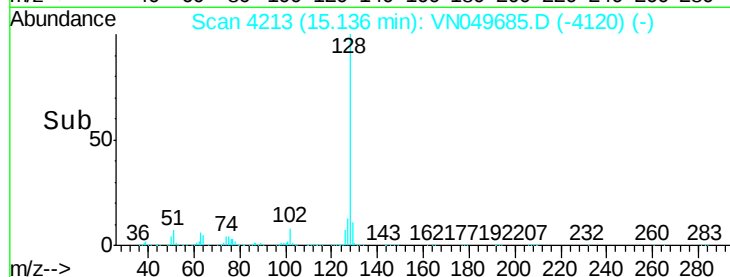
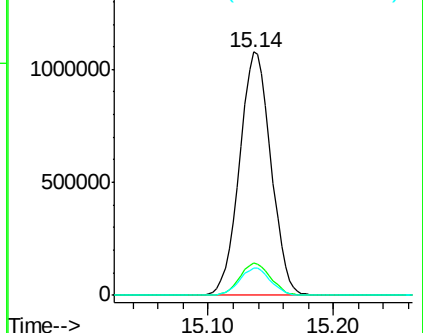
129 11.0 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.11 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049685.D

Acq: 3 Jul 2018 9:57

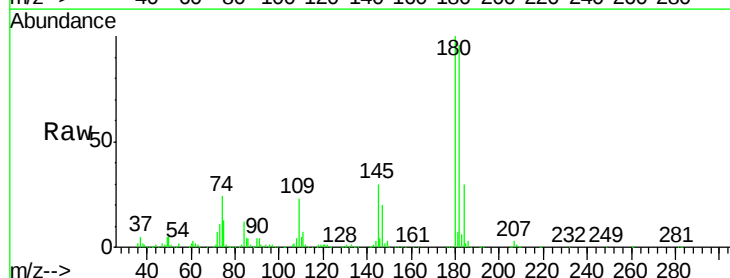
Tgt Ion:180 Resp: 874432

Ion Ratio Lower Upper

180 100

182 95.7 47.4 142.2

145 29.9 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

