

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049695.D
 Acq On : 3 Jul 2018 15:55
 Operator : MD\SY
 Sample : VN0703WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:06:32 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	1305313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1987345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1764073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	955621	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	864988	50.18	ug/l	0.00
Spiked Amount						
			Recovery	=	100.36%	
35) Dibromofluoromethane	7.59	113	731208	49.21	ug/l	0.00
Spiked Amount						
			Recovery	=	98.42%	
50) Toluene-d8	10.09	98	2769103	47.62	ug/l	0.00
Spiked Amount						
			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	12.40	95	966877	48.70	ug/l	0.00
Spiked Amount						
			Recovery	=	97.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	304293	20.69	ug/l	98
3) Chloromethane	2.06	50	327591	17.83	ug/l	99
4) Vinyl Chloride	2.18	62	429260	21.75	ug/l	99
5) Bromomethane	2.56	94	92016	8.88	ug/l	96
6) Chloroethane	2.70	64	267666	21.43	ug/l	100
7) Trichlorofluoromethane	3.01	101	488578	21.68	ug/l	98
8) Diethyl Ether	3.41	74	209867	22.97	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	346350	21.36	ug/l	99
10) Methyl Iodide	3.94	142	121578	5.99	ug/l	99
11) Tert butyl alcohol	4.82	59	148456	150.08	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	328433	21.42	ug/l	99
13) Acrolein	3.60	56	56999	61.69	ug/l	98
14) Allyl chloride	4.32	41	419970	19.94	ug/l	98
15) Acrylonitrile	5.00	53	654559	128.12	ug/l	99
16) Acetone	3.82	43	547169	155.02	ug/l	99
17) Carbon Disulfide	4.04	76	1043408	24.54	ug/l	99
18) Methyl Acetate	4.33	43	364858	20.70	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	939954	23.78	ug/l	99
20) Methylene Chloride	4.55	84	399720	22.52	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	343445	21.77	ug/l	97
22) Diisopropyl ether	5.96	45	1092206	22.92	ug/l	100
23) Vinyl Acetate	5.90	43	3669872	118.78	ug/l	100
24) 1,1-Dichloroethane	5.85	63	660104	21.99	ug/l	99
25) 2-Butanone	6.84	43	789678	137.99	ug/l	98
26) 2,2-Dichloropropane	6.82	77	524419	21.04	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	395046	22.41	ug/l	98
28) Bromochloromethane	7.19	49	243312	19.10	ug/l	97
29) Tetrahydrofuran	7.22	42	501376	137.46	ug/l	99
30) Chloroform	7.37	83	664276	21.71	ug/l	97
31) Cyclohexane	7.65	56	568332	21.67	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	574905	22.19	ug/l	99
36) 1,1-Dichloropropene	7.79	75	489721	21.90	ug/l	100
37) Ethyl Acetate	6.93	43	339038	26.00	ug/l	98
38) Carbon Tetrachloride	7.78	117	466760	21.46	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	519455	21.19	ug/l	97
40) Benzene	8.04	78	1501955	22.00	ug/l	100
41) Methacrylonitrile	7.18	41	165886	22.57	ug/l	93
42) 1,2-Dichloroethane	8.13	62	483611	22.20	ug/l	100
43) Isopropyl Acetate	8.17	43	676328	25.84	ug/l #	91
44) Trichloroethene	8.84	130	440992	21.42	ug/l	100
45) 1,2-Dichloropropane	9.12	63	393744	22.32	ug/l	99
46) Dibromomethane	9.21	93	241602	22.64	ug/l	99
47) Bromodichloromethane	9.41	83	494909	21.79	ug/l	98
48) Methyl methacrylate	9.20	41	298033	25.72	ug/l	98
49) 1,4-Dioxane	9.20	88	83494	535.91	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1745447	136.51	ug/l	100
52) Toluene	10.16	92	922552	22.37	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	430411	19.79	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	515729	20.29	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	352456	22.95	ug/l	99
56) Ethyl methacrylate	10.43	69	457767	25.43	ug/l	98
57) 1,3-Dichloropropane	10.71	76	581284	23.34	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	834581	95.92	ug/l	100
59) 2-Hexanone	10.76	43	1190373	140.79	ug/l	99
60) Dibromochloromethane	10.90	129	375350	22.61	ug/l	99
61) 1,2-Dibromoethane	11.01	107	341621	23.22	ug/l	99
64) Tetrachloroethene	10.63	164	501883	21.01	ug/l	99
65) Chlorobenzene	11.44	112	985784	21.42	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	350765	21.21	ug/l	99
67) Ethyl Benzene	11.52	91	1650305	21.69	ug/l	99
68) m/p-Xylenes	11.63	106	1331837	45.68	ug/l	98
69) o-Xylene	11.95	106	641518	22.98	ug/l	98
70) Styrene	11.97	104	1015150	22.48	ug/l	99
71) Bromoform	12.13	173	245377	22.33	ug/l #	99
73) Isopropylbenzene	12.25	105	1671421	21.96	ug/l	100
74) N-amyl acetate	12.07	43	522442	25.13	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	440911	27.26	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	491170	32.05	ug/l #	100
77) Bromobenzene	12.53	156	428376	20.70	ug/l	100
78) n-propylbenzene	12.59	91	1936416	22.20	ug/l	100
79) 2-Chlorotoluene	12.68	91	1197018	21.68	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1462246	23.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	44068	9.77	ug/l	97
82) 4-Chlorotoluene	12.78	91	1192376	21.48	ug/l	100
83) tert-Butylbenzene	12.99	119	1210515	22.28	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1539287	23.68	ug/l	100
85) sec-Butylbenzene	13.17	105	1624444	22.56	ug/l	100
86) p-Isopropyltoluene	13.29	119	1439743	23.09	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	772336	21.72	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	749888	21.53	ug/l	100
89) n-Butylbenzene	13.62	91	1112286	20.83	ug/l	100
90) Hexachloroethane	13.88	117	132433	20.22	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	778060	22.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68183	25.17	ug/l	99

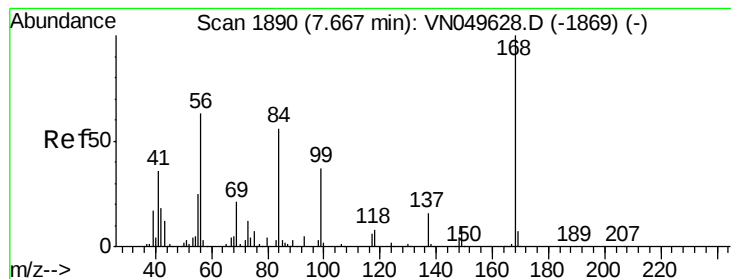
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Quant Title : SW846 8260
QLast Update : Sat Jun 30 00:55:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	313487	19.35	ug/l	99
94) Hexachlorobutadiene	15.01	225	223302	20.69	ug/l	98
95) Naphthalene	15.14	128	707168	20.79	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	333935	20.96	ug/l	100

(#) = 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: VN049695.D

Acq: 3 Jul 2018 15:55

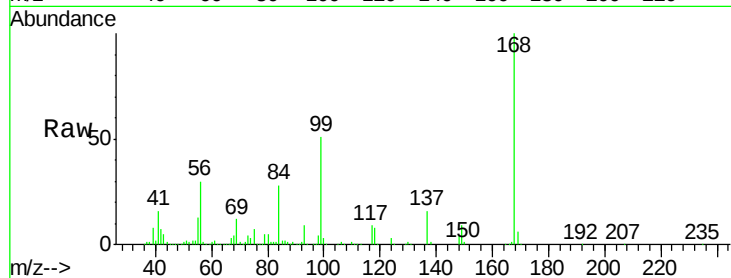
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1305313

Ion Ratio Lower Upper

168 100

99 50.1 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

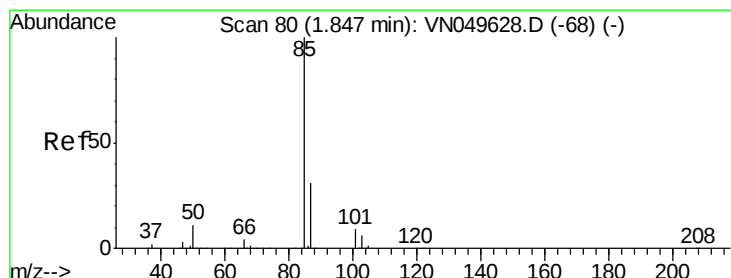
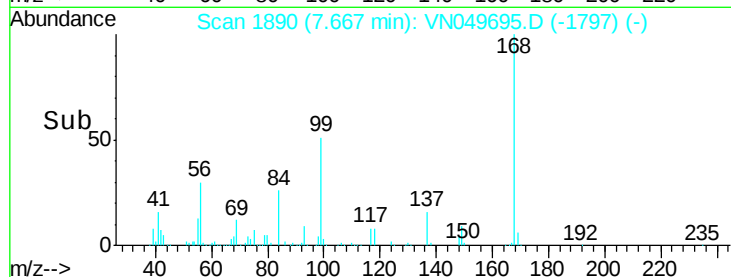
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.69 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049695.D

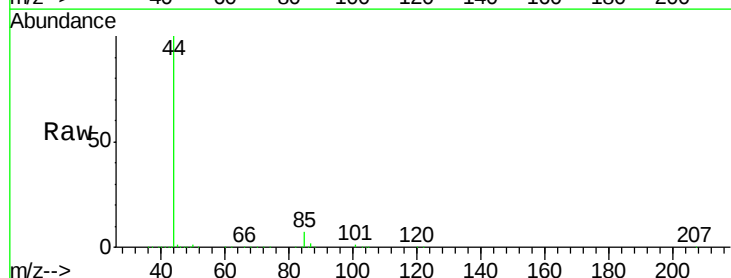
Acq: 3 Jul 2018 15:55

Tgt Ion: 85 Resp: 304293

Ion Ratio Lower Upper

85 100

87 31.8 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

250000

200000

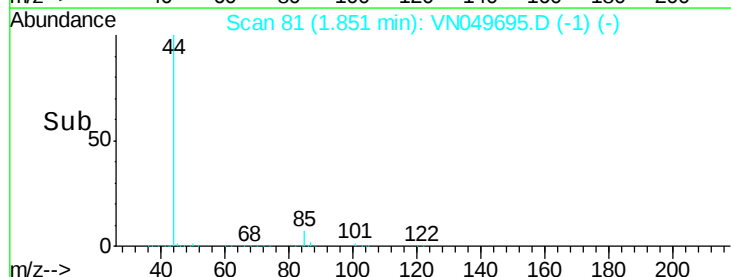
150000

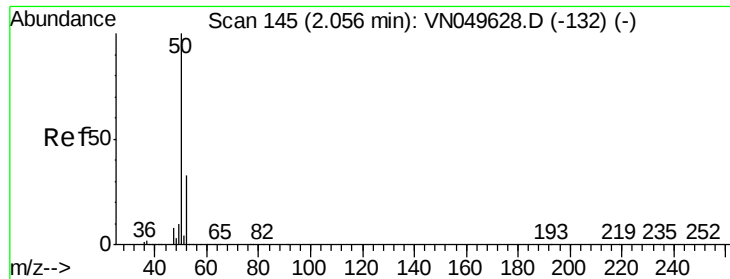
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.83 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

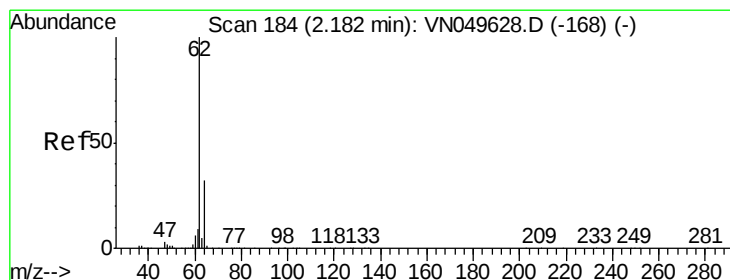
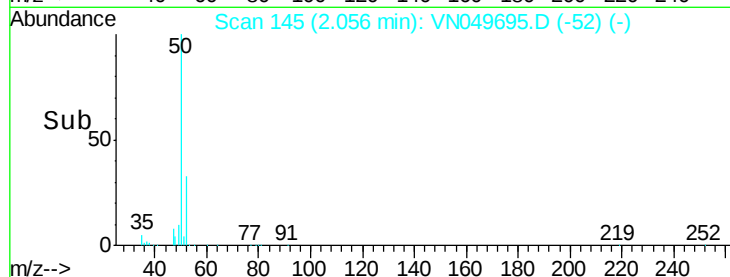
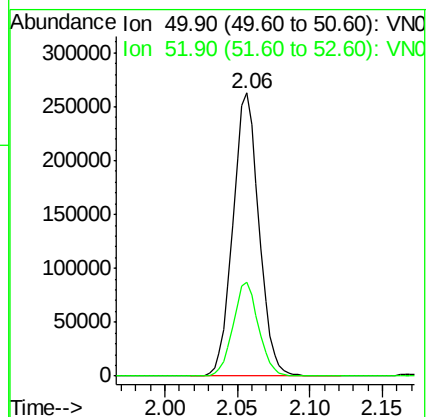
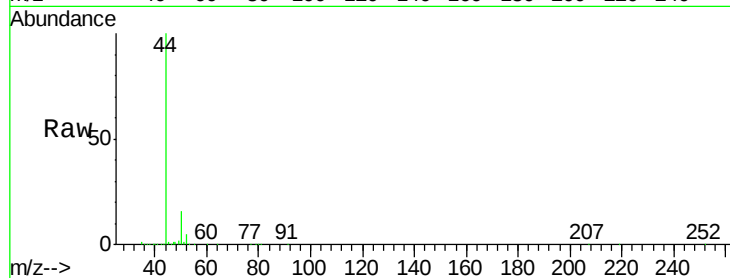
ClientSampleId :

Tot Ion: 50 Resp: 327591

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



#4

Vinyl Chloride

Concen: 21.75 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN049695.D

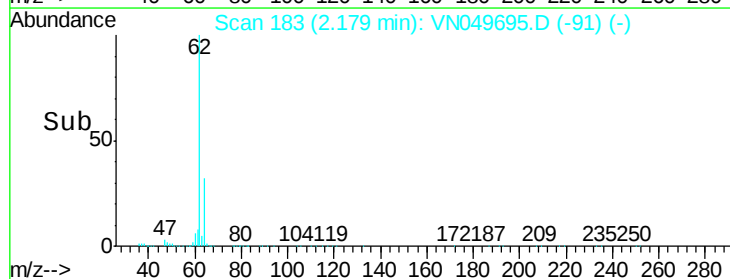
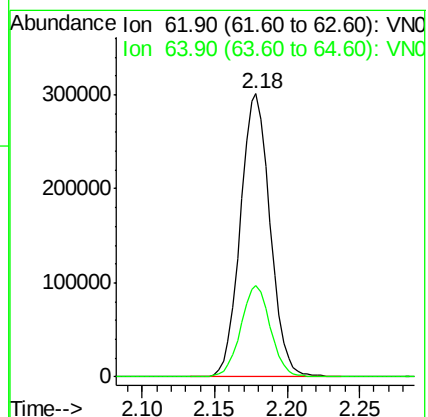
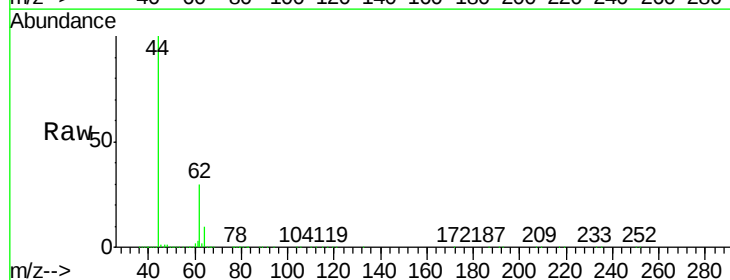
Acq: 3 Jul 2018 15:55

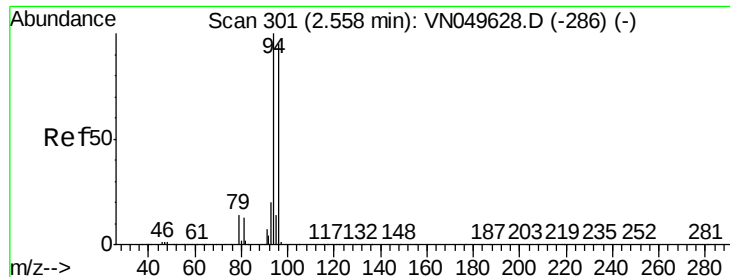
Tgt Ion: 62 Resp: 429260

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0





#5

Bromomethane

Concen: 8.88 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

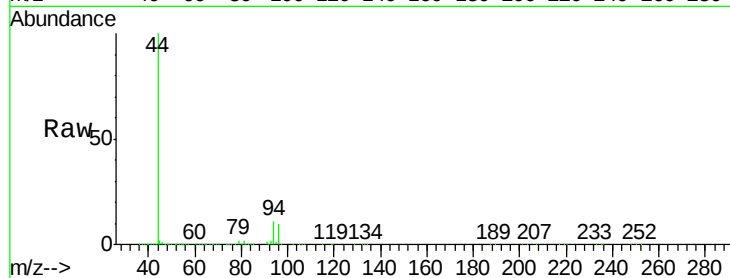
ClientSampled :

Tot Ion: 94 Resp: 92016

Ion Ratio Lower Upper

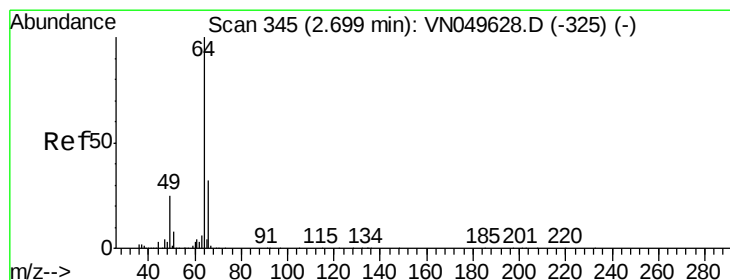
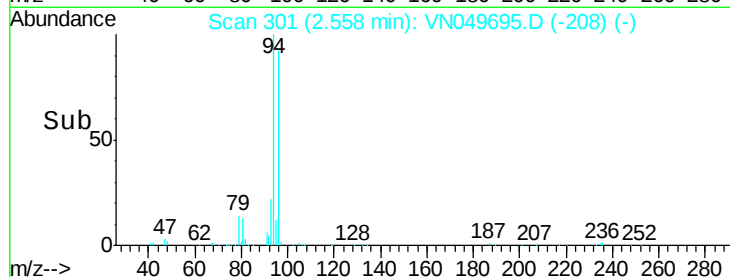
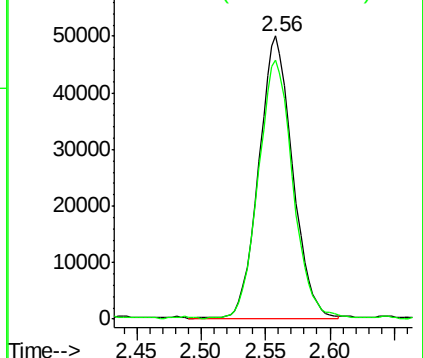
94 100

96 90.8 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.43 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN049695.D

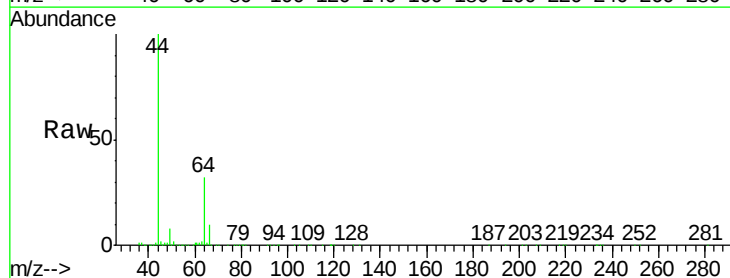
Acq: 3 Jul 2018 15:55

Tgt Ion: 64 Resp: 267666

Ion Ratio Lower Upper

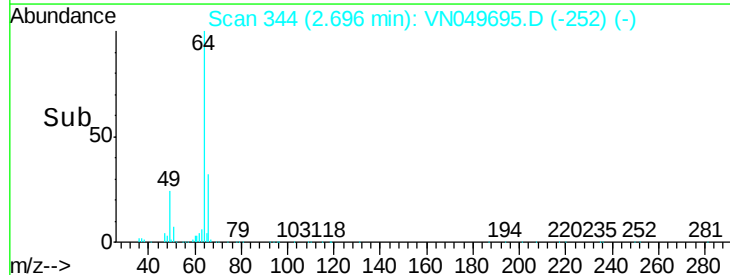
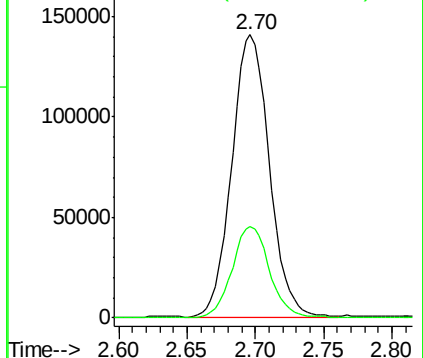
64 100

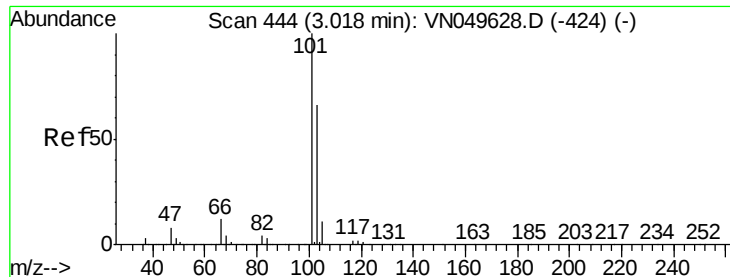
66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



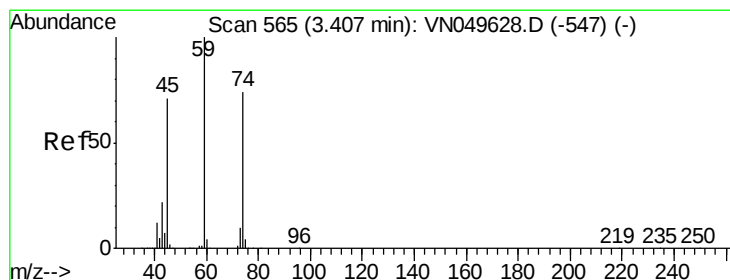
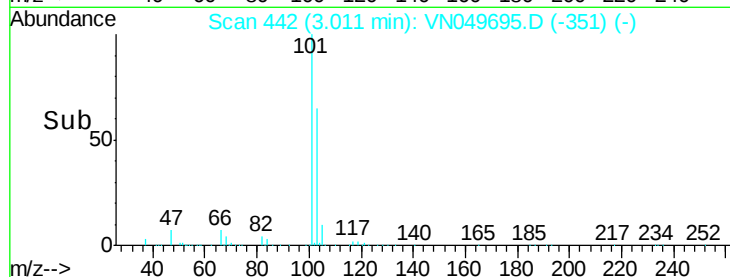
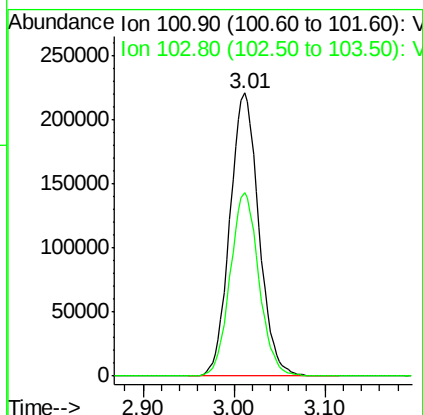
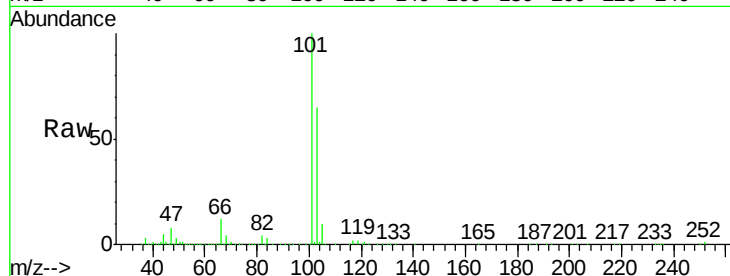


#7

Trichlorofluoromethane
Concen: 21.68 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.01 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :

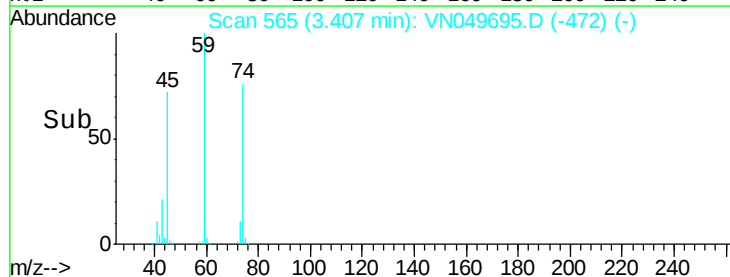
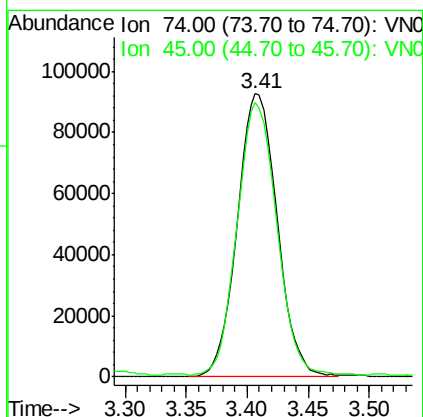
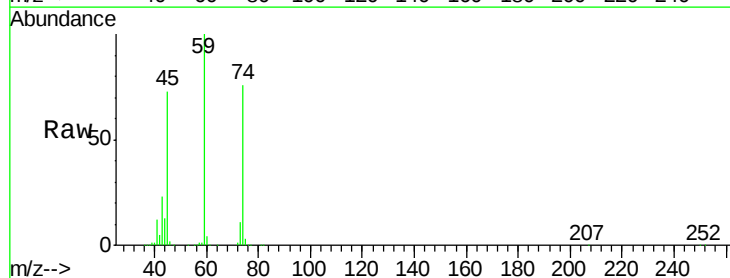
Tot Ion:101 Resp: 488578
Ion Ratio Lower Upper
101 100
103 64.7 52.8 79.2

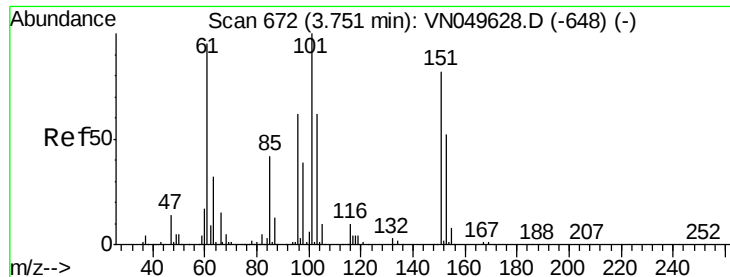


#8

Diethyl Ether
Concen: 22.97 ug/l
RT: 3.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 74 Resp: 209867
Ion Ratio Lower Upper
74 100
45 94.8 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.36 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

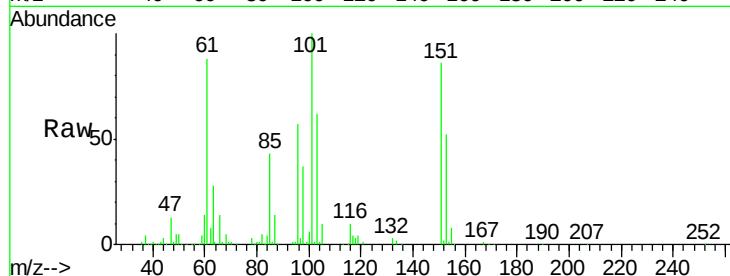
Tot Ion:101 Resp: 346350

Ion Ratio Lower Upper

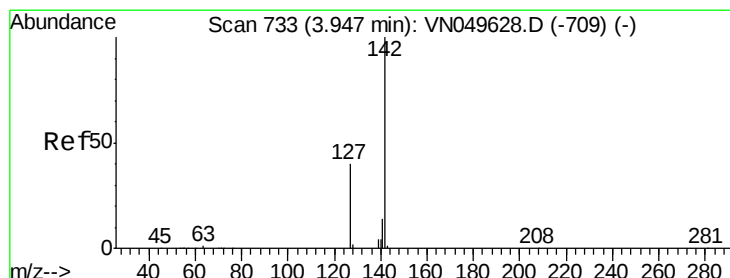
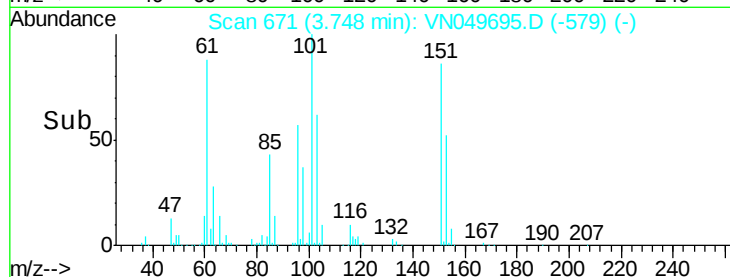
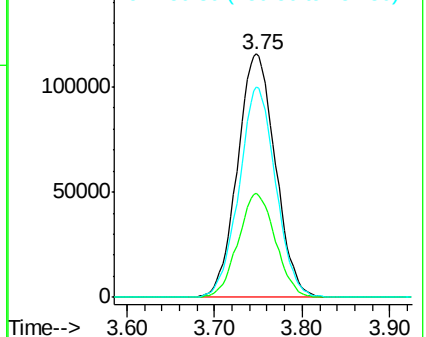
101 100

85 42.1 34.4 51.6

151 83.8 66.2 99.4



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



#10

Methyl Iodide

Concen: 5.99 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

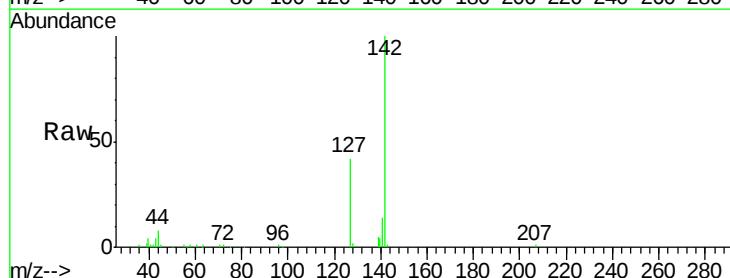
Tgt Ion:142 Resp: 121578

Ion Ratio Lower Upper

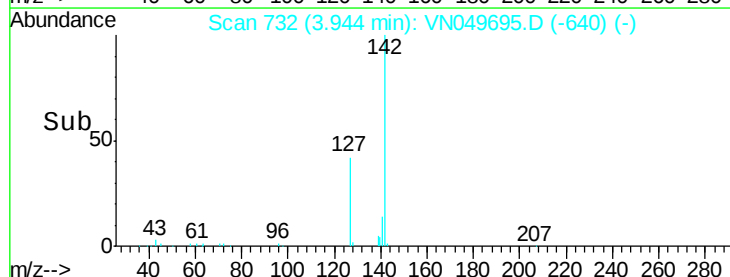
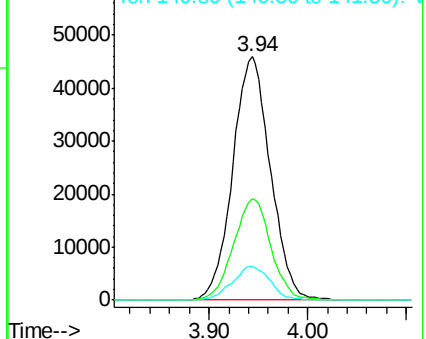
142 100

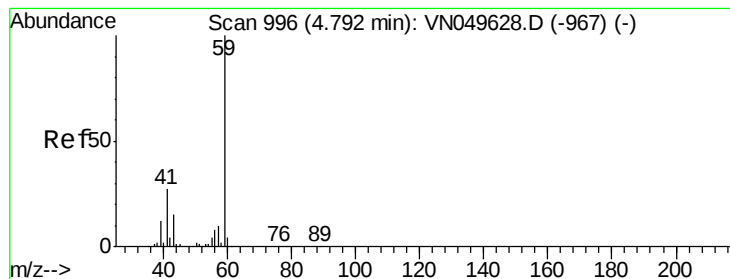
127 41.3 32.5 48.7

141 13.8 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



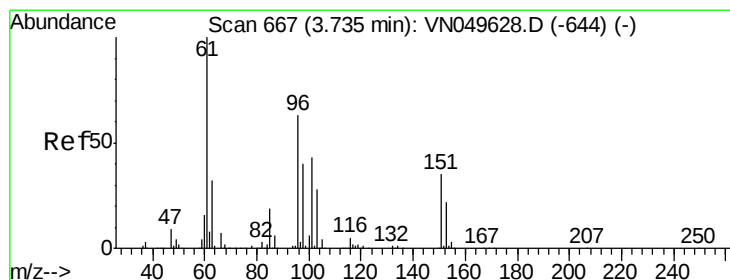
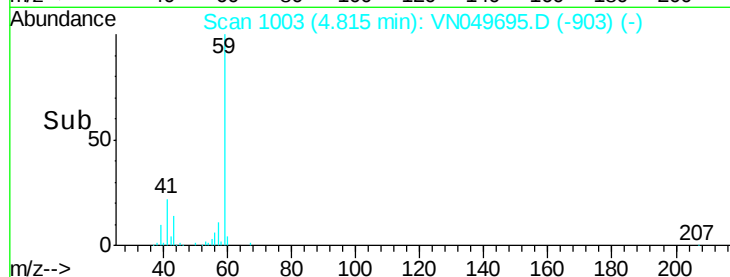
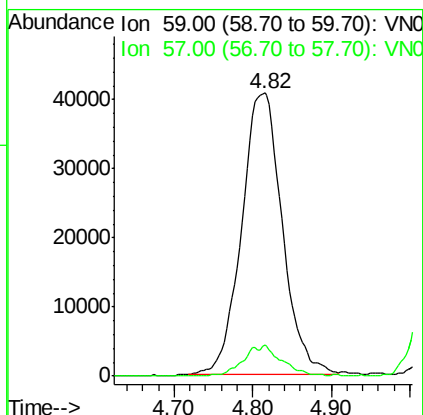
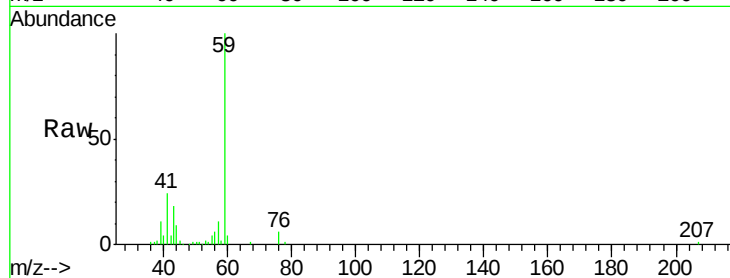


#11

Tert butyl alcohol
 Concen: 150.08 ug/l
 RT: 4.82 min Scan# 1003
 Delta R.T. 0.02 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

Instrument :
 MSVOA_N
 ClientSampleId :

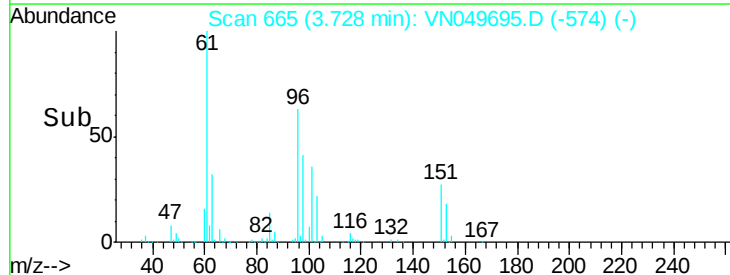
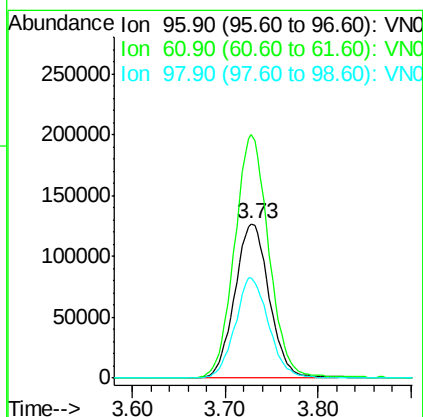
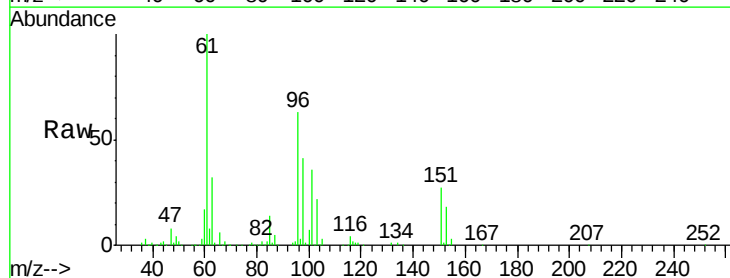
Tot Ion: 59 Resp: 148456
 Ion Ratio Lower Upper
 59 100
 57 4.7 8.5 12.7#

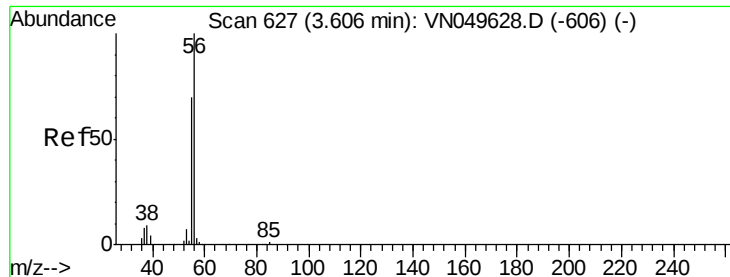


#12

1,1-Dichloroethene
 Concen: 21.42 ug/l
 RT: 3.73 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

Tgt Ion: 96 Resp: 328433
 Ion Ratio Lower Upper
 96 100
 61 157.6 126.5 189.7
 98 64.6 51.0 76.6





#13

Acrolein

Concen: 61.69 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

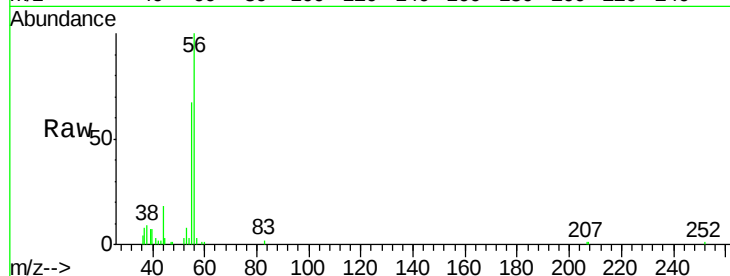
ClientSampled :

Tot Ion: 56 Resp: 56999

Ion Ratio Lower Upper

56 100

55 67.9 55.8 83.8



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

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

3.60

25000

20000

15000

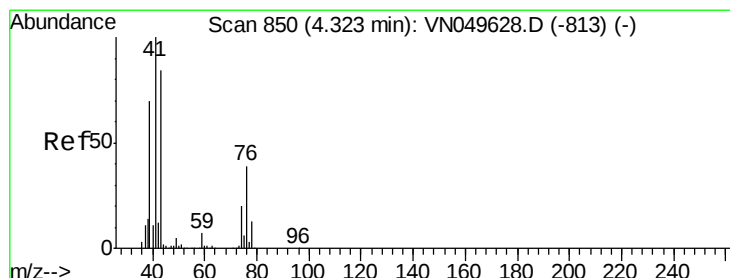
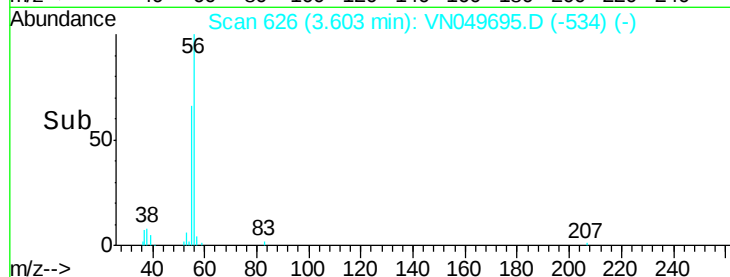
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.94 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

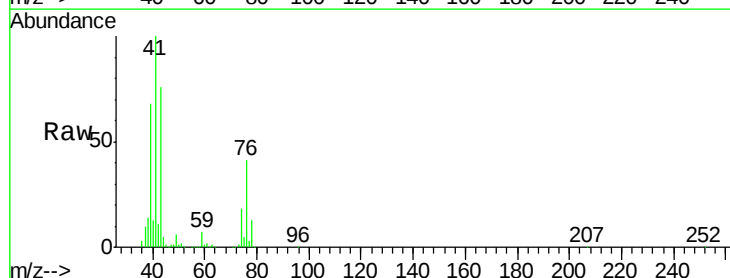
Tgt Ion: 41 Resp: 419970

Ion Ratio Lower Upper

41 100

39 64.7 53.2 79.8

76 35.9 29.0 43.6



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

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

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

4.32

150000

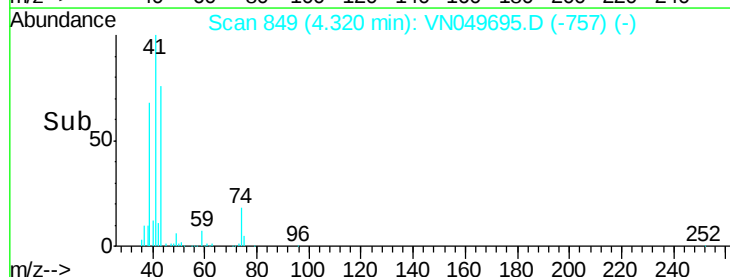
100000

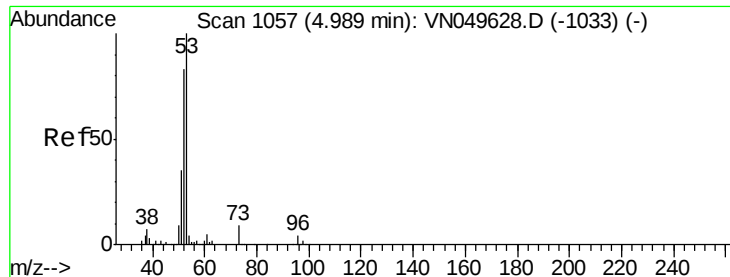
50000

0

Time-->

4.10 4.20 4.30 4.40 4.50

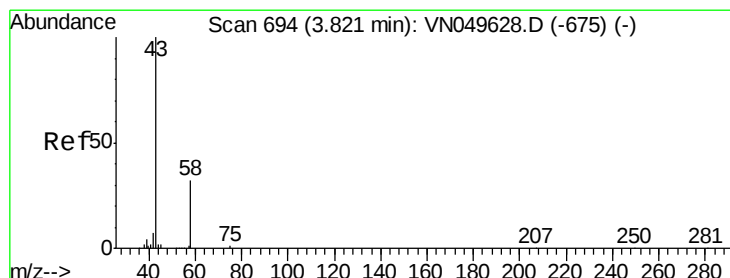
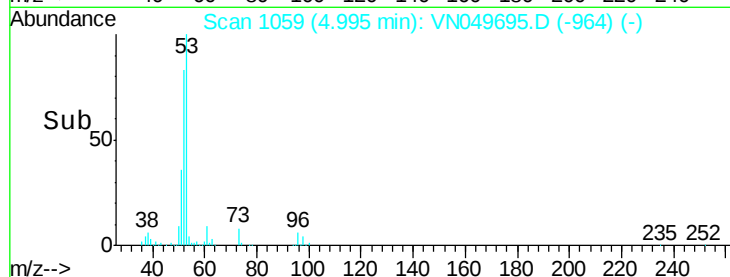
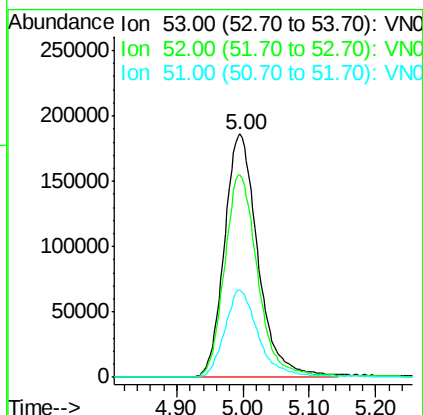
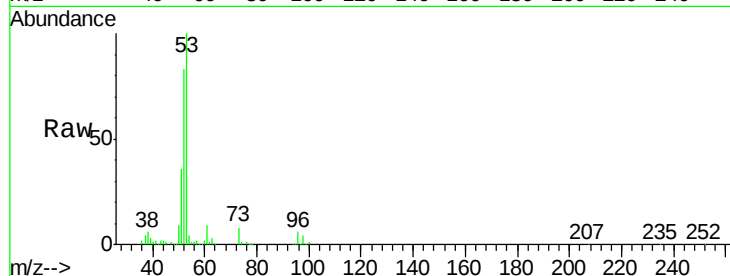




#15
 Acrylonitrile
 Concen: 128.12 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

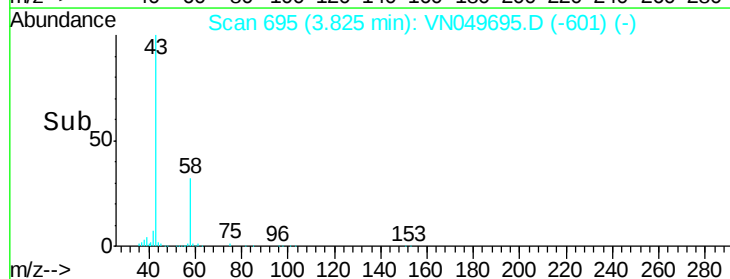
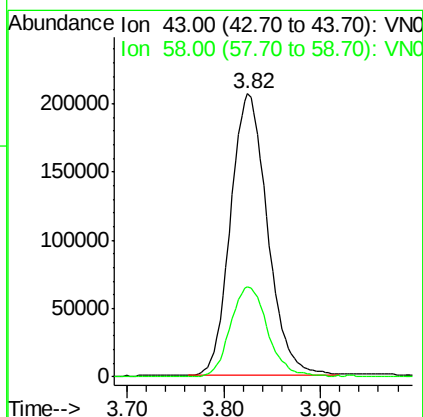
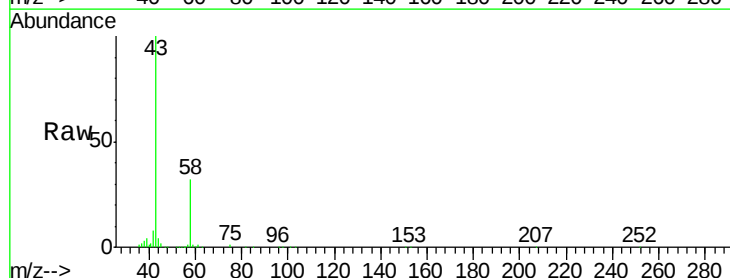
Instrument :
 MSVOA_N
 ClientSampleId :

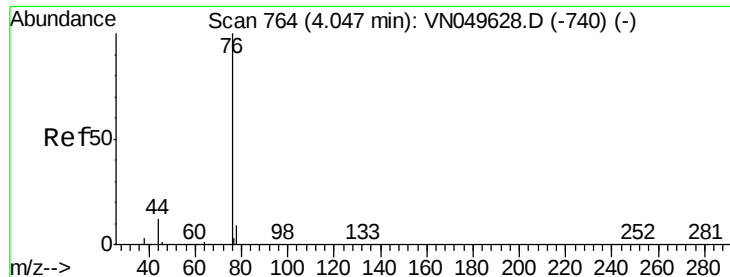
Tot Ion	53	Resp	654559
Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.8	97.2
51	35.9	28.9	43.3



#16
 Acetone
 Concen: 155.02 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

Tgt Ion	43	Resp	547169
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.9	38.9

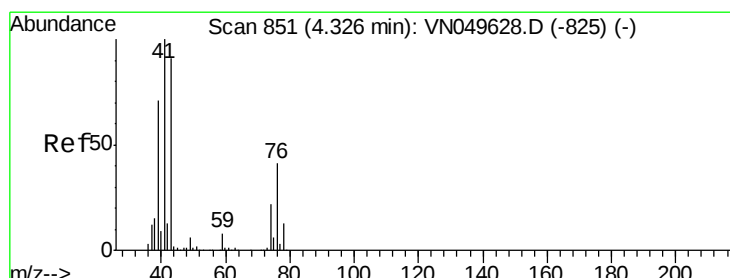
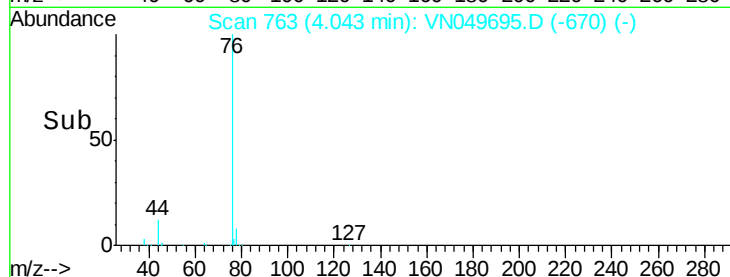
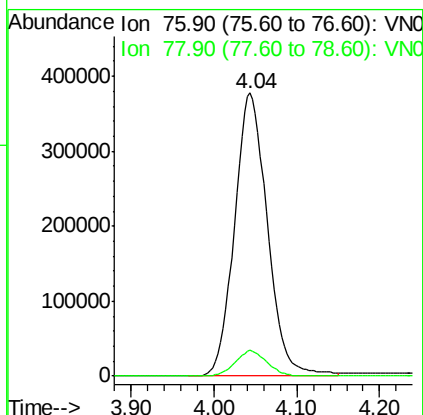
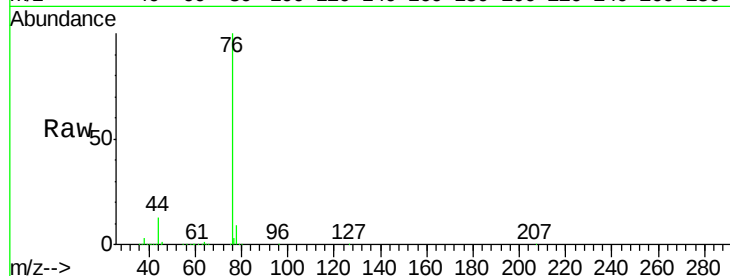




#17
Carbon Disulfide
Concen: 24.54 ug/l
RT: 4.04 min Scan# 763
Delta R.T. -0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

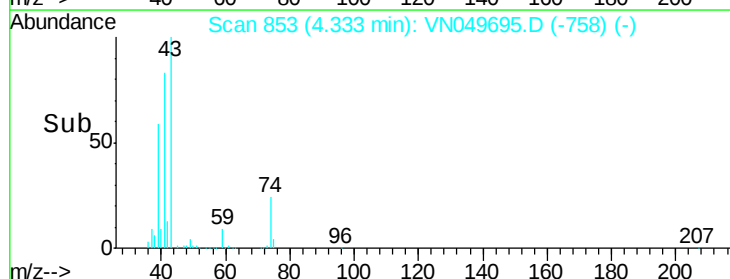
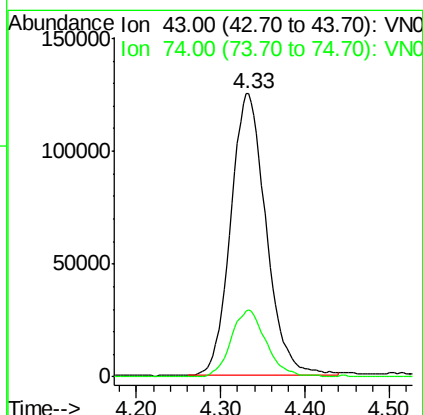
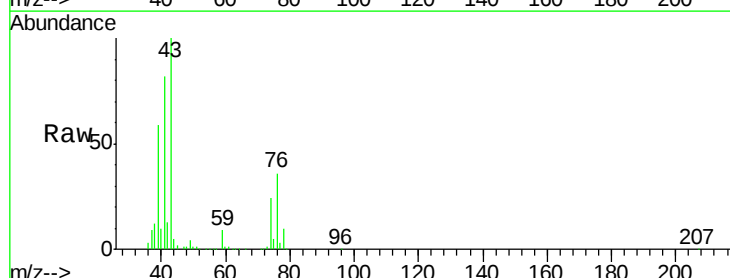
Instrument :
MSVOA_N
ClientSampleId :

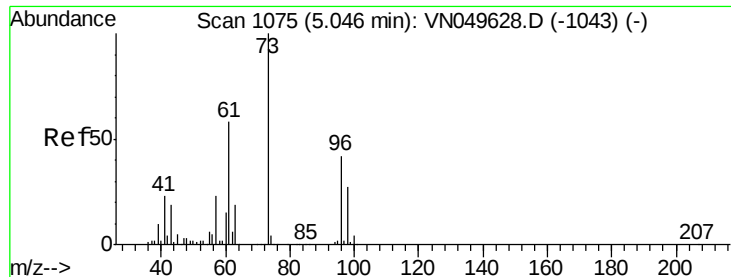
Tot Ion: 76 Resp: 1043408
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 20.70 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 43 Resp: 364858
Ion Ratio Lower Upper
43 100
74 23.5 19.8 29.8

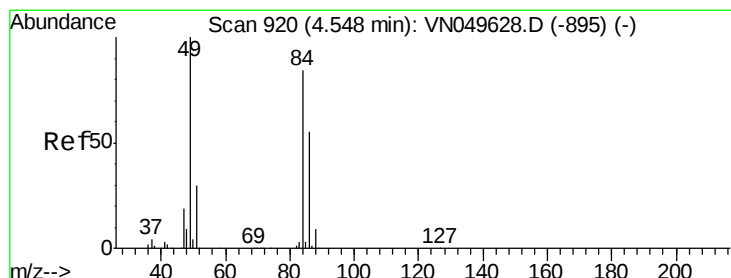
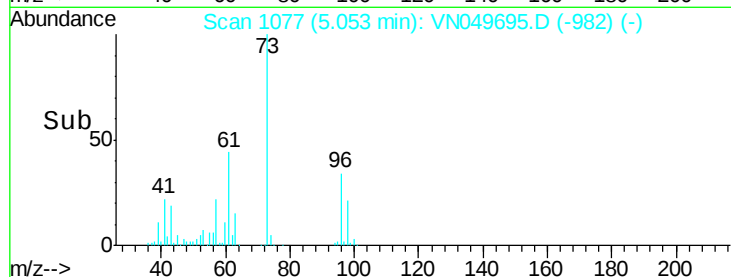
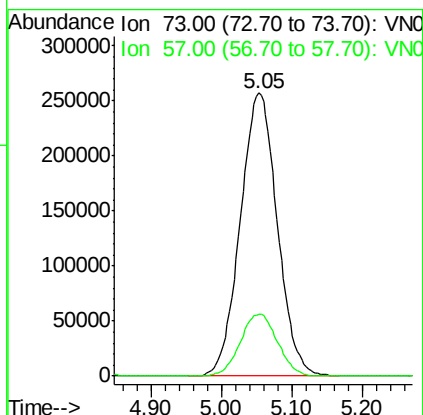
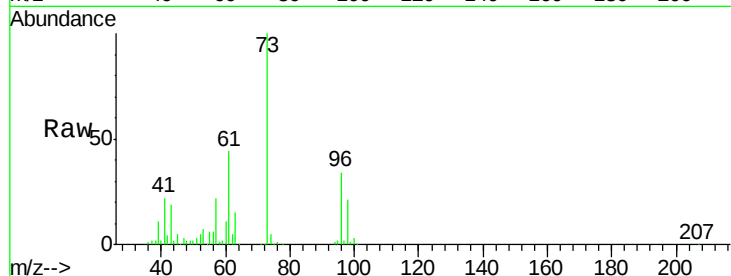




#19
Methyl tert-butyl Ether
Concen: 23.78 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

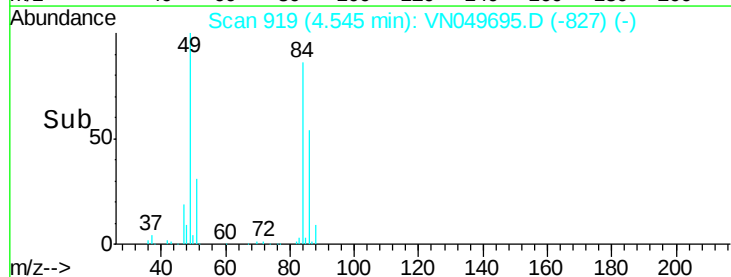
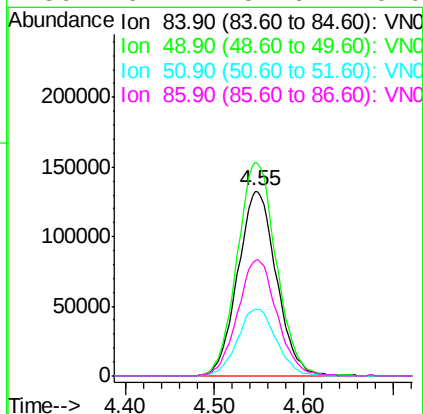
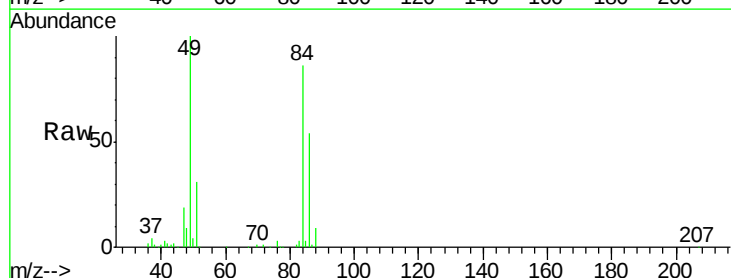
Instrument :
MSVOA_N
ClientSampled :

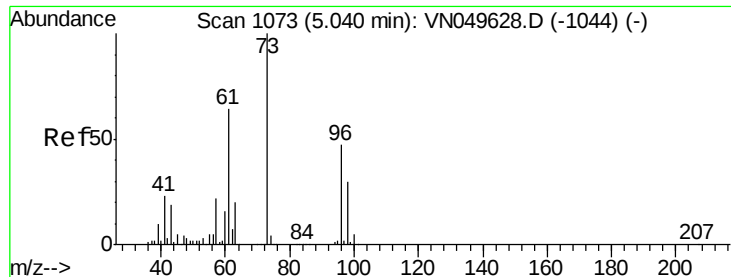
Tot Ion: 73 Resp: 939954
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 22.52 ug/l
RT: 4.55 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 84 Resp: 399720
Ion Ratio Lower Upper
84 100
49 115.6 95.4 143.2
51 35.8 28.4 42.6
86 62.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.77 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampled :

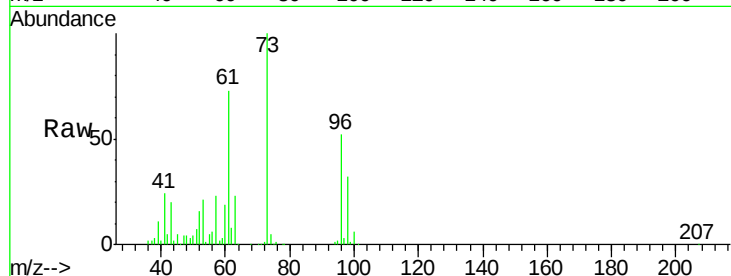
Tot Ion: 96 Resp: 343445

Ion Ratio Lower Upper

96 100

61 140.5 109.0 163.6

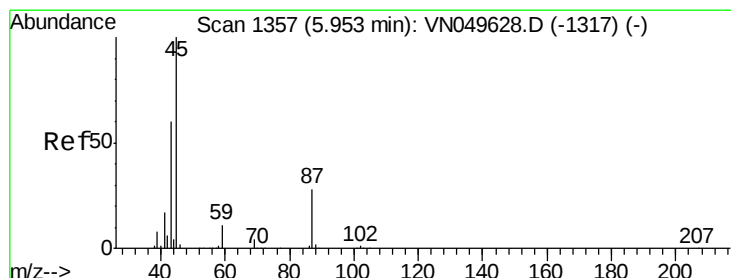
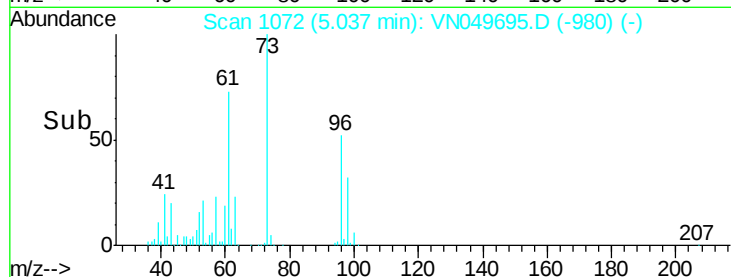
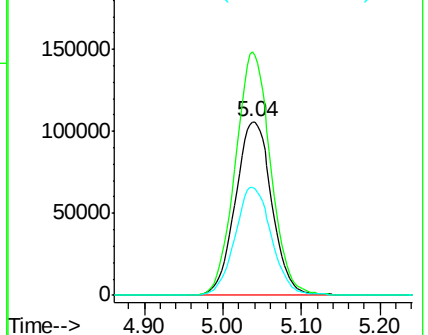
98 62.3 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VN049628.D (-1044) (-)

Ion 60.90 (60.60 to 61.60): VN049628.D (-1044) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-1044) (-)



#22

Diisopropyl ether

Concen: 22.92 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Tgt Ion: 45 Resp: 1092206

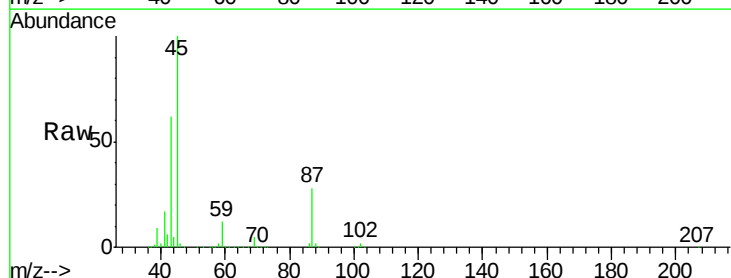
Ion Ratio Lower Upper

45 100

43 60.4 48.1 72.1

87 28.1 22.6 34.0

59 11.3 9.2 13.8

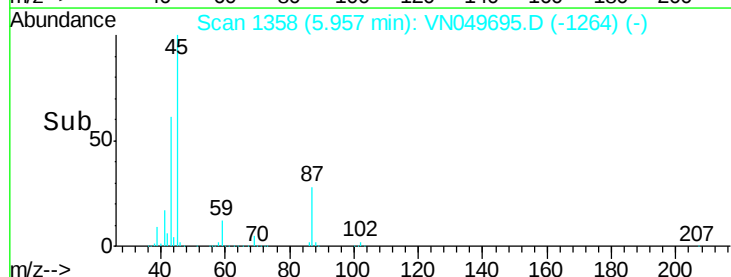
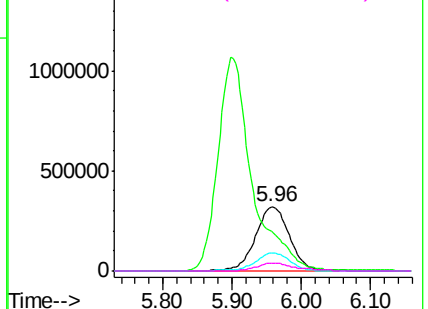


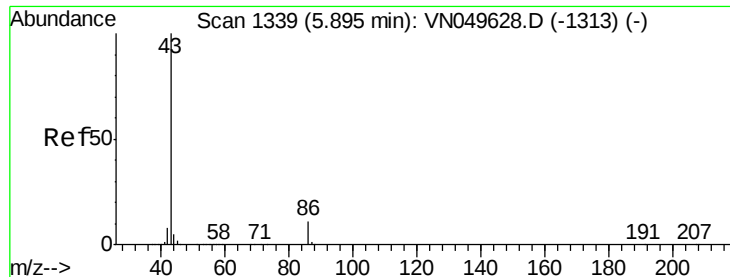
Abundance Ion 45.00 (44.70 to 45.70): VN049628.D (-1317) (-)

Ion 43.00 (42.70 to 43.70): VN049628.D (-1317) (-)

Ion 87.00 (86.70 to 87.70): VN049628.D (-1317) (-)

Ion 59.00 (58.70 to 59.70): VN049628.D (-1317) (-)





#23

Vinyl Acetate

Concen: 118.78 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

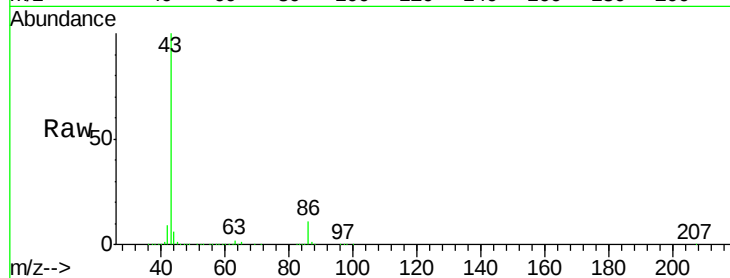
ClientSampled :

Tot Ion: 43 Resp: 3669872

Ion Ratio Lower Upper

43 100

86 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-1313) (-)

Ion 86.00 (85.70 to 86.70): VN049628.D (-1313) (-)

5.90

1200000

1000000

800000

600000

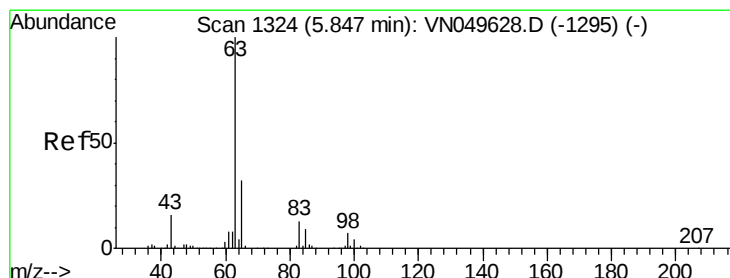
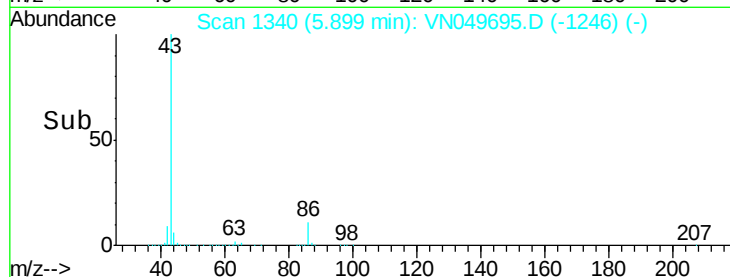
400000

200000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 21.99 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

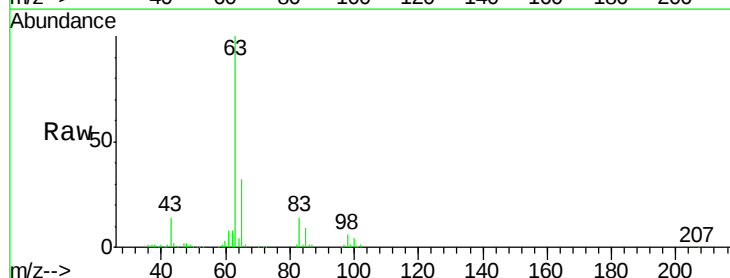
Tgt Ion: 63 Resp: 660104

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

100 4.3 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-1295) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-1295) (-)

Ion 99.90 (99.60 to 100.60): VN049628.D (-1295) (-)

250000

200000

150000

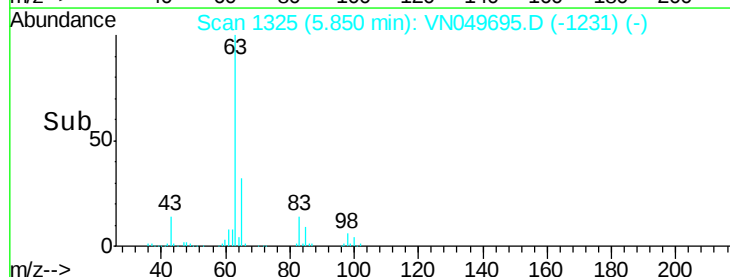
100000

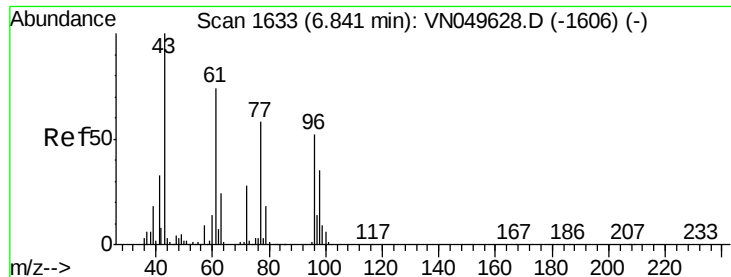
50000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 137.99 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

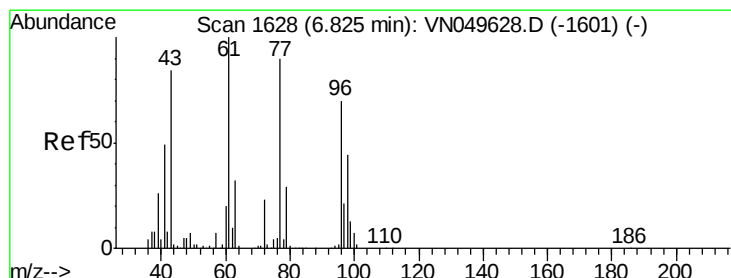
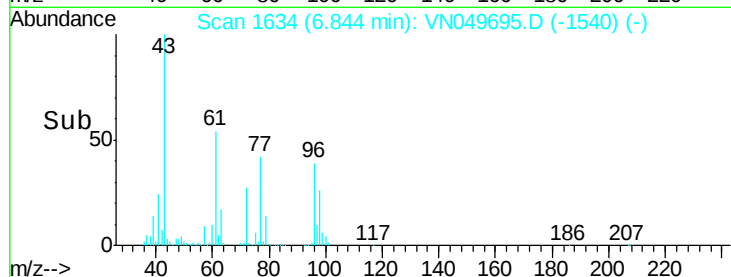
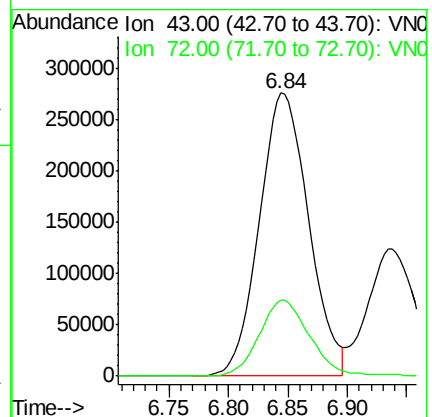
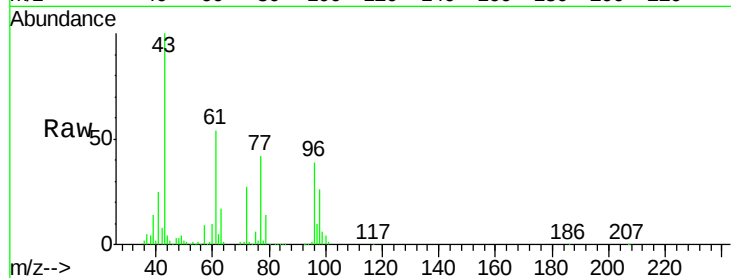
ClientSampleId :

Tot Ion: 43 Resp: 789678

Ion Ratio Lower Upper

43 100

72 26.7 22.1 33.1



#26

2,2-Dichloropropane

Concen: 21.04 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049695.D

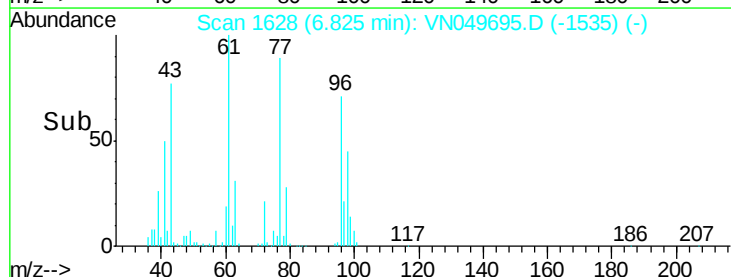
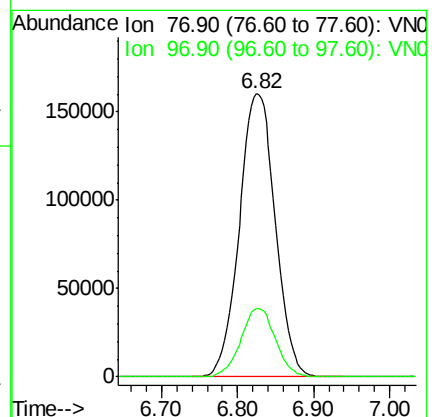
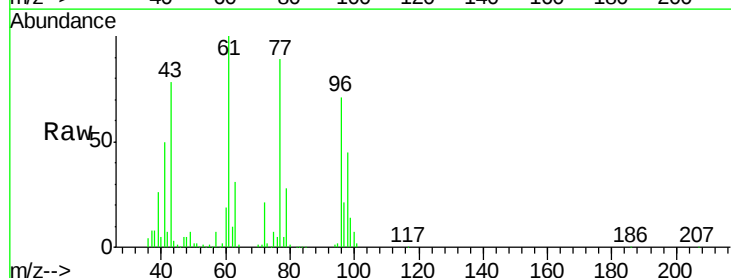
Acq: 3 Jul 2018 15:55

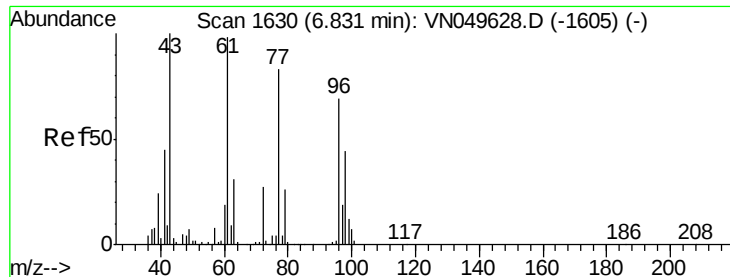
Tgt Ion: 77 Resp: 524419

Ion Ratio Lower Upper

77 100

97 23.3 11.9 35.5

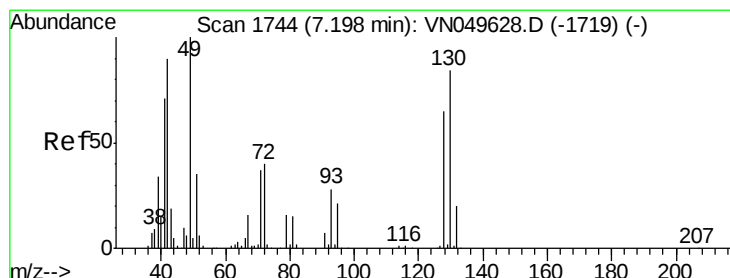
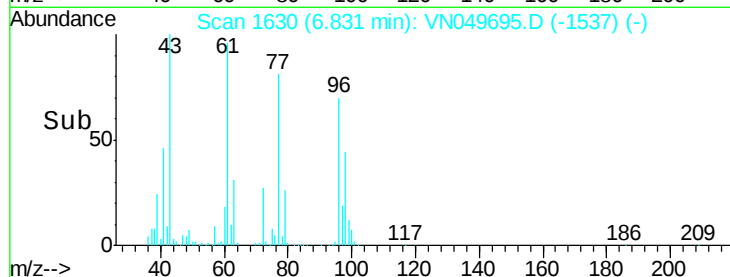
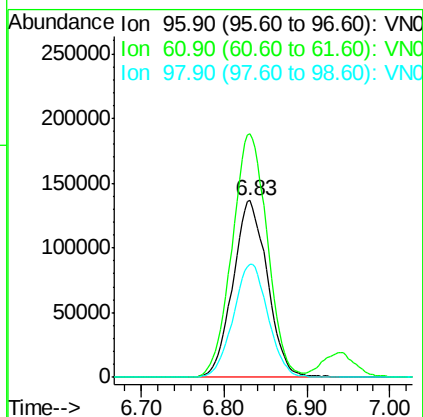
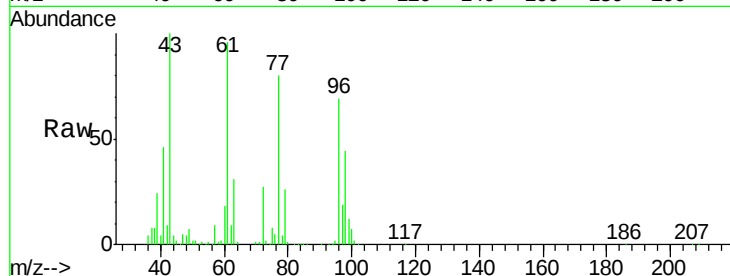




#27
 cis-1,2-Dichloroethene
 Concen: 22.41 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

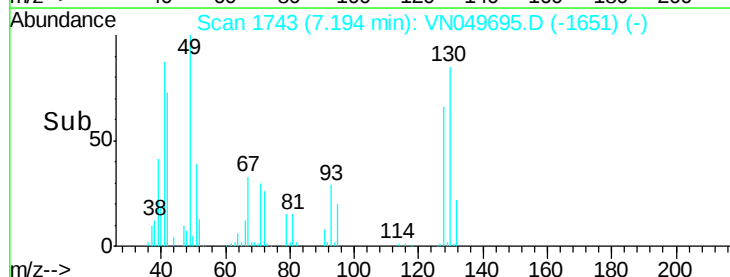
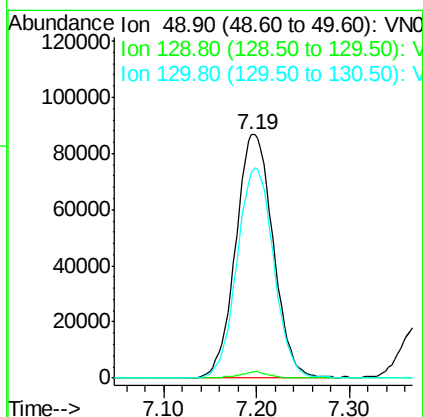
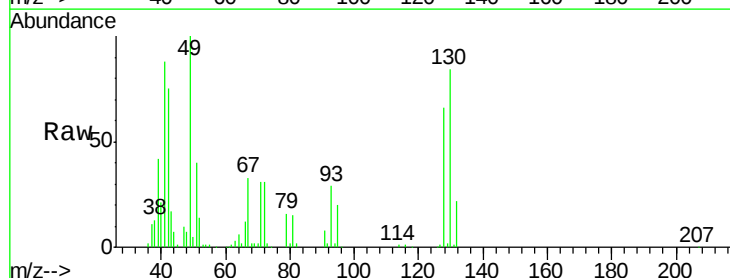
Instrument :
 MSVOA_N
 ClientSampled :

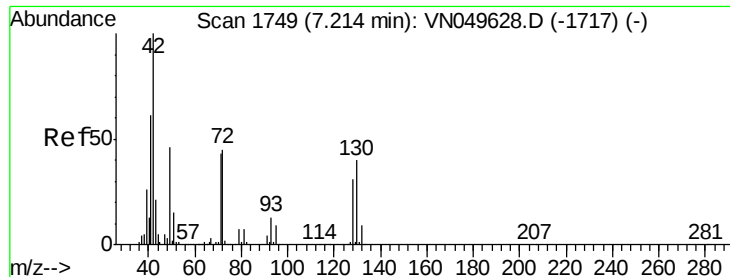
Tot Ion: 96 Resp: 395046
 Ion Ratio Lower Upper
 96 100
 61 140.6 0.0 289.0
 98 64.4 0.0 130.2



#28
 Bromochloromethane
 Concen: 19.10 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

Tgt Ion: 49 Resp: 243312
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 84.6 65.5 98.3

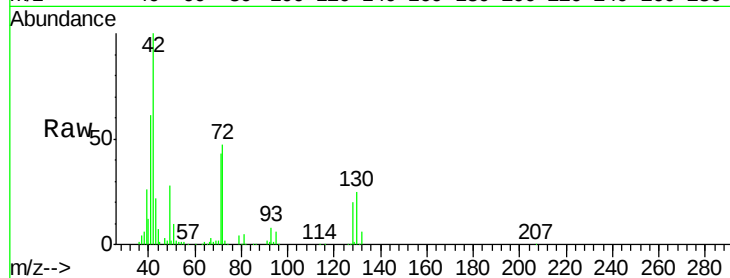




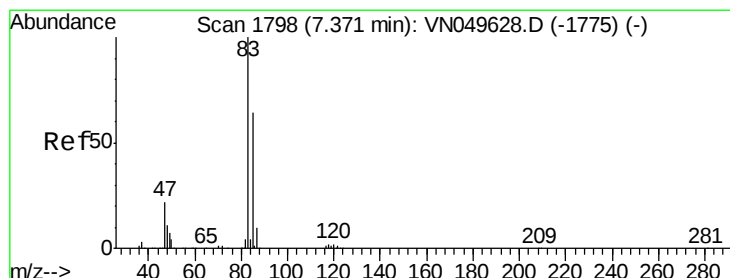
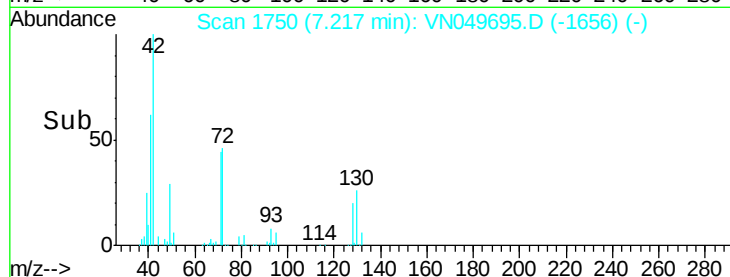
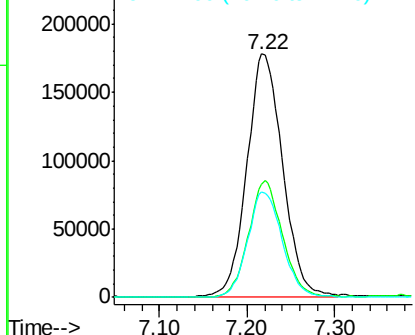
#29
Tetrahydrofuran
Concen: 137.46 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 501376
Ion Ratio Lower Upper
42 100
72 46.1 35.6 53.4
71 42.5 34.0 51.0

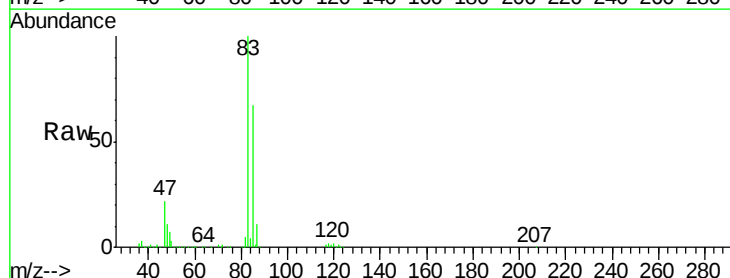


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

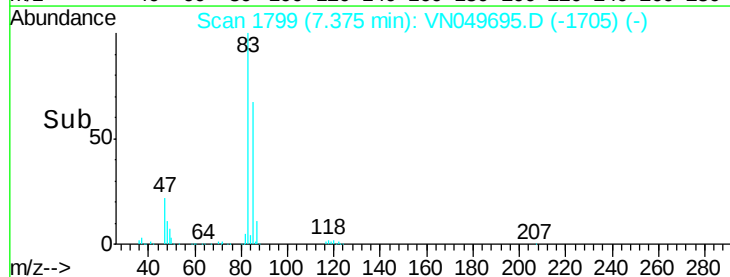
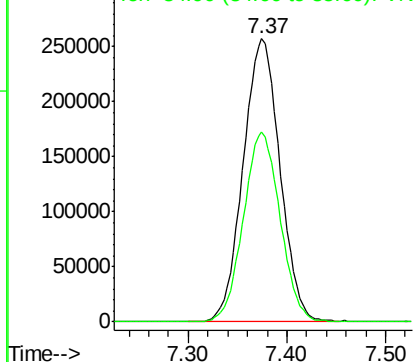


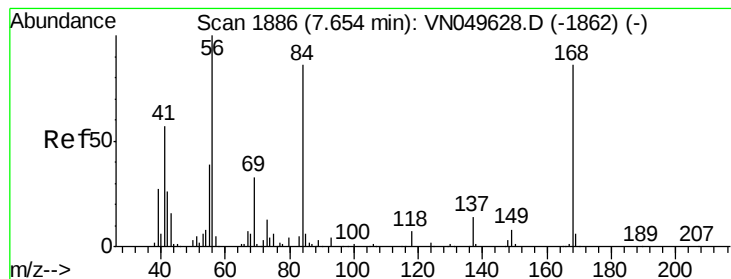
#30
Chloroform
Concen: 21.71 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 83 Resp: 664276
Ion Ratio Lower Upper
83 100
85 66.9 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: 21.67 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampled :

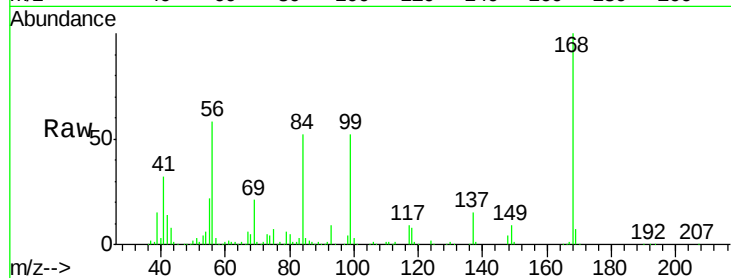
Tot Ion: 56 Resp: 568332

Ion Ratio Lower Upper

56 100

69 36.0 26.6 40.0

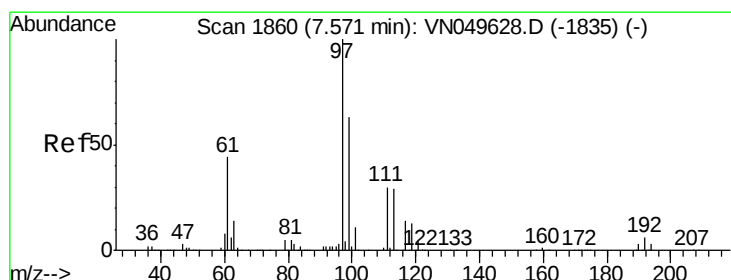
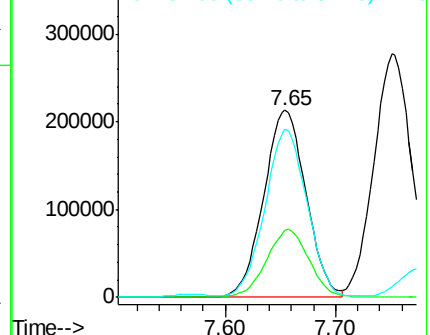
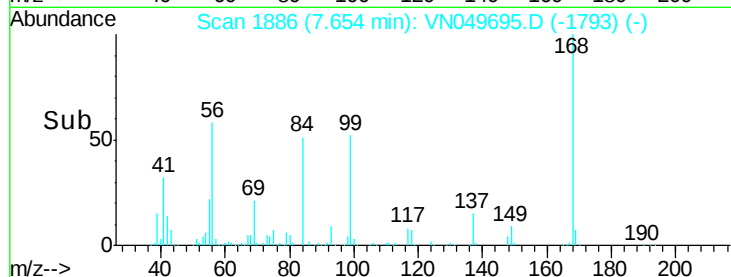
84 88.1 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VN049695.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049695.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049695.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 22.19 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

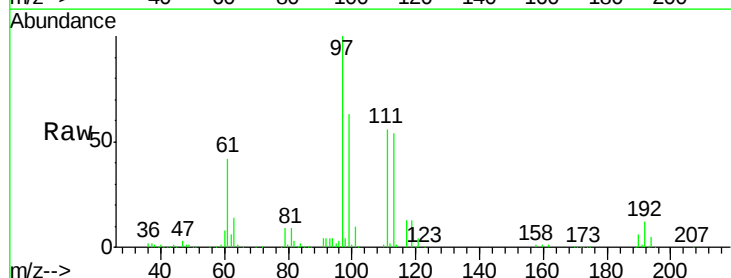
Tgt Ion: 97 Resp: 574905

Ion Ratio Lower Upper

97 100

99 63.0 51.0 76.4

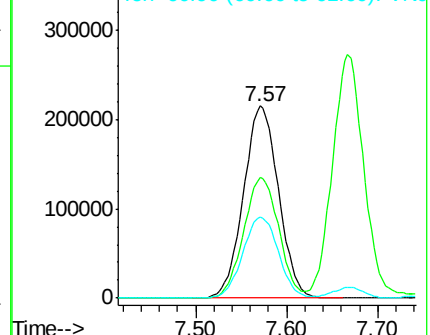
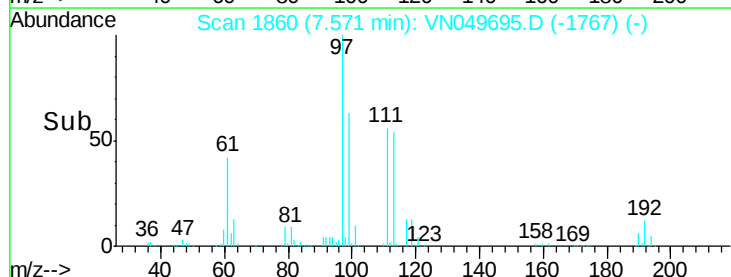
61 43.0 35.5 53.3

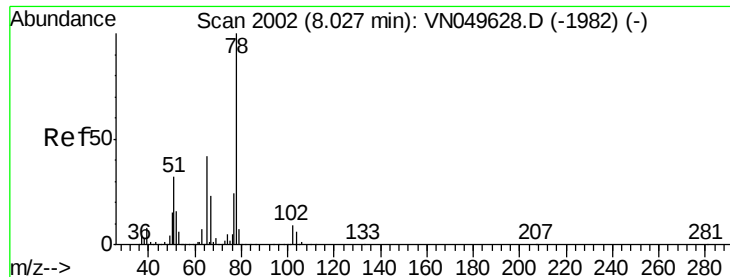


Abundance Ion 96.90 (96.60 to 97.60): VN049695.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN049695.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN049695.D (-1767) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.18 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

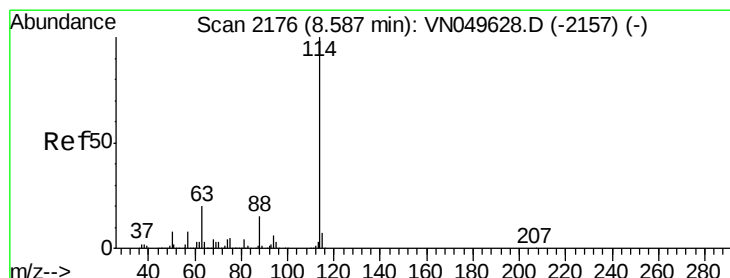
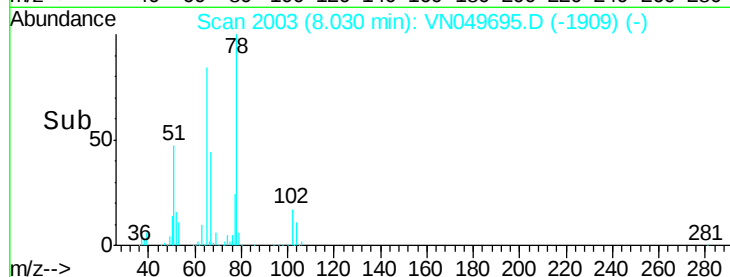
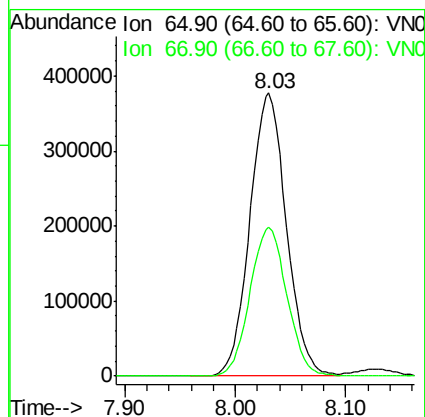
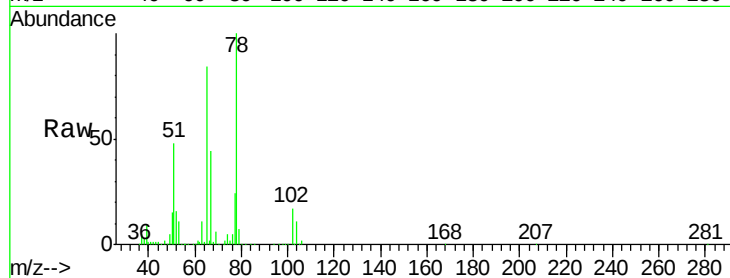
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 864988

Ion Ratio Lower Upper

65 100

67 53.3 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: VN049695.D

Acq: 3 Jul 2018 15:55

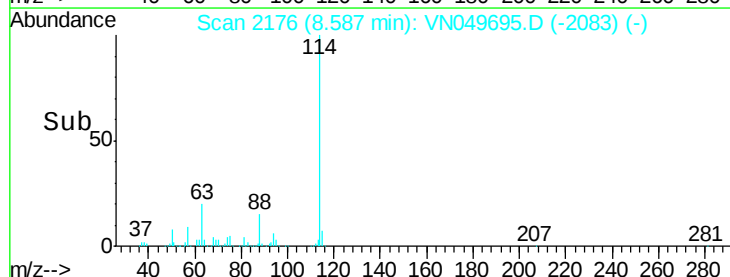
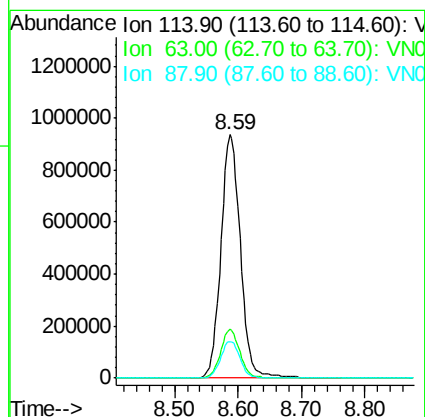
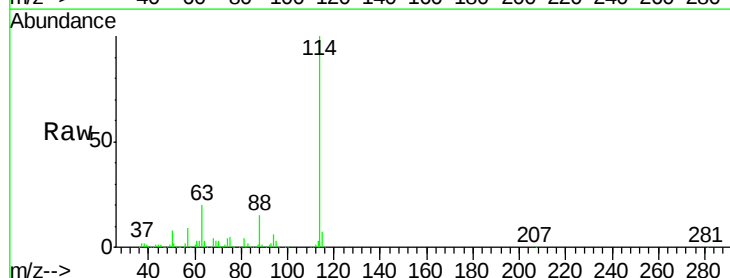
Tgt Ion: 114 Resp: 1987345

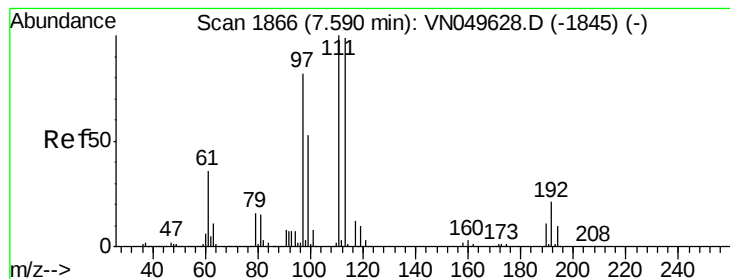
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.21 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

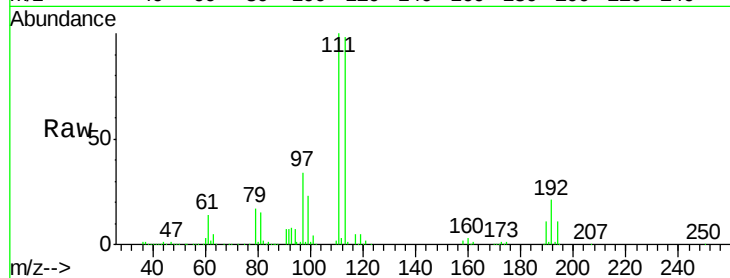
Tot Ion:113 Resp: 731208

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

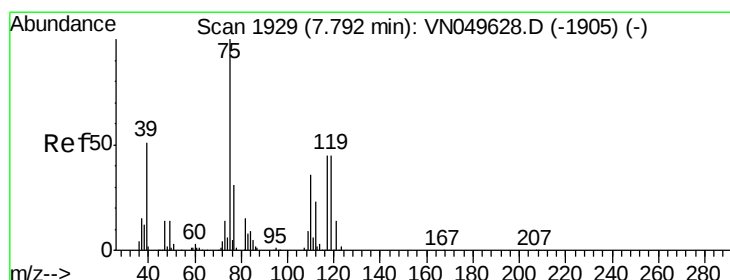
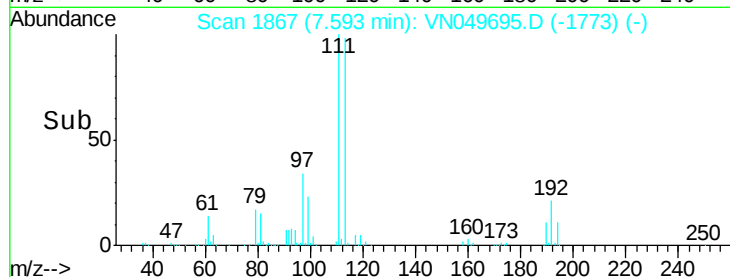
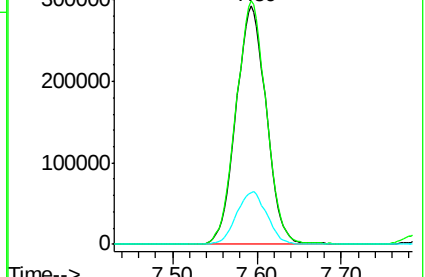
192 22.3 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.90 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

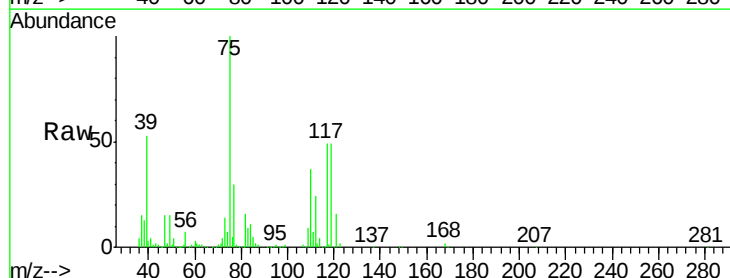
Tgt Ion: 75 Resp: 489721

Ion Ratio Lower Upper

75 100

110 36.5 18.1 54.4

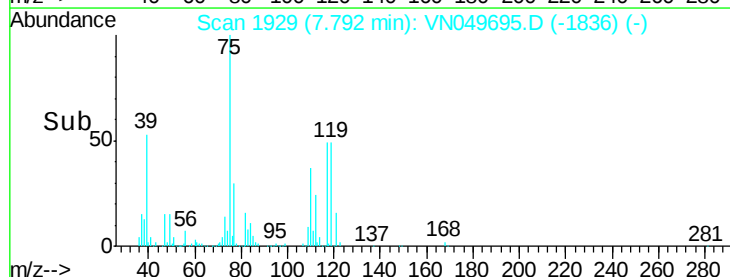
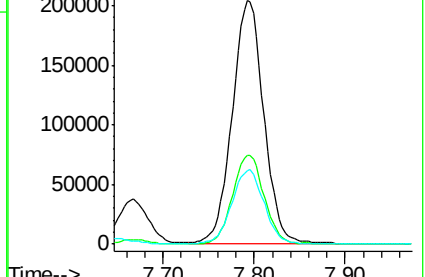
77 31.2 24.9 37.3

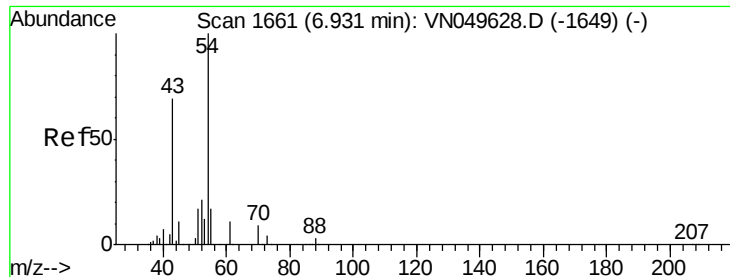


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

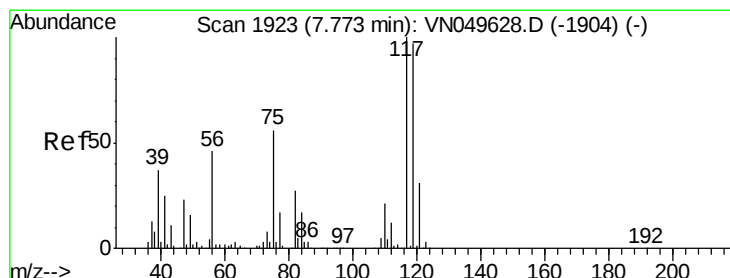
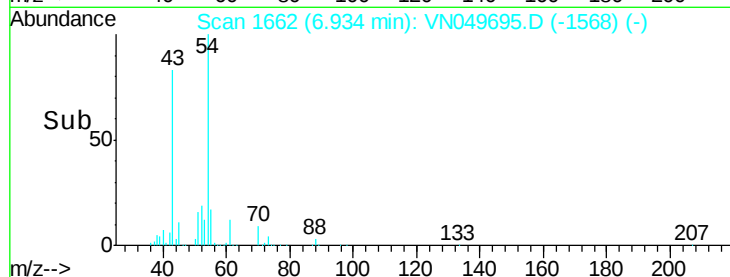
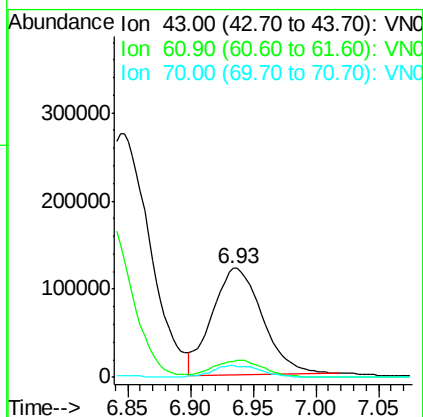
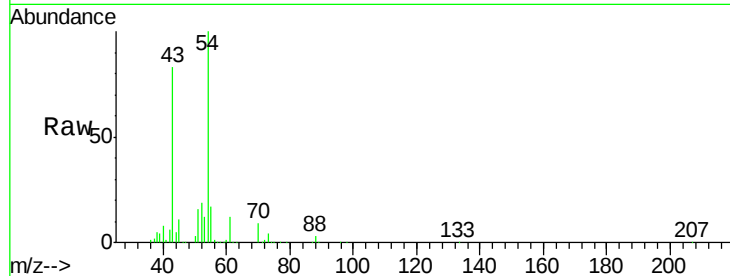




#37
Ethyl Acetate
Concen: 26.00 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

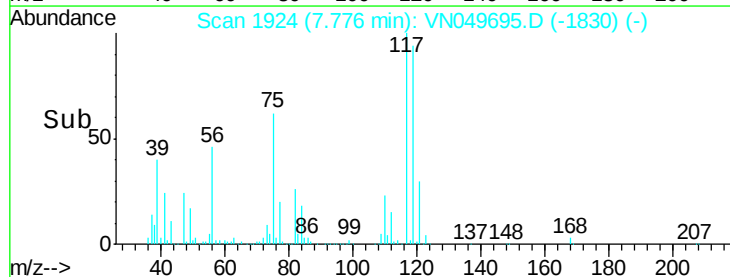
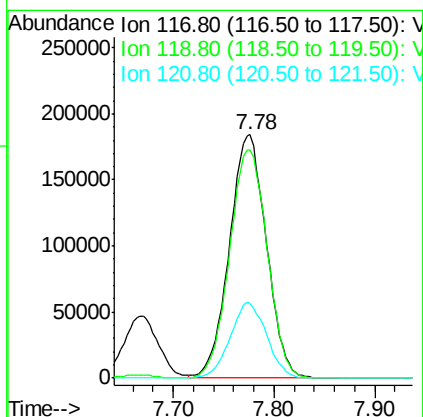
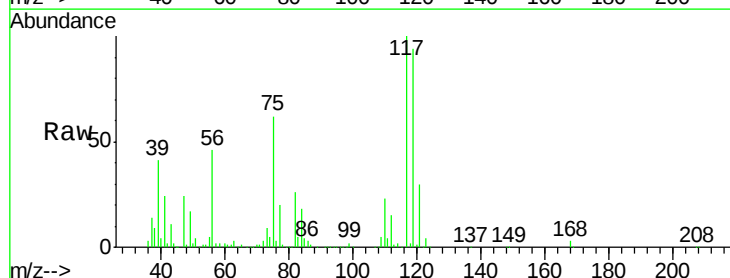
Instrument :
MSVOA_N
ClientSampleId :

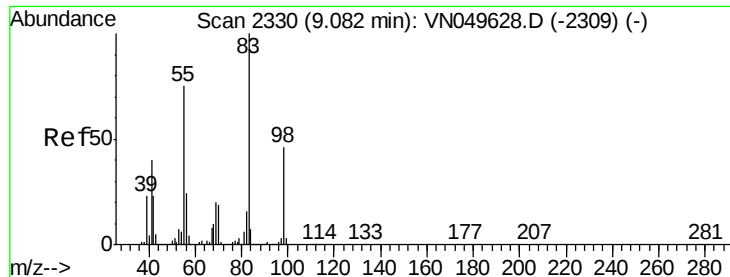
Tot Ion: 43 Resp: 339038
Ion Ratio Lower Upper
43 100
61 15.6 11.7 17.5
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 21.46 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 117 Resp: 466760
Ion Ratio Lower Upper
117 100
119 93.6 77.2 115.8
121 30.5 25.0 37.6

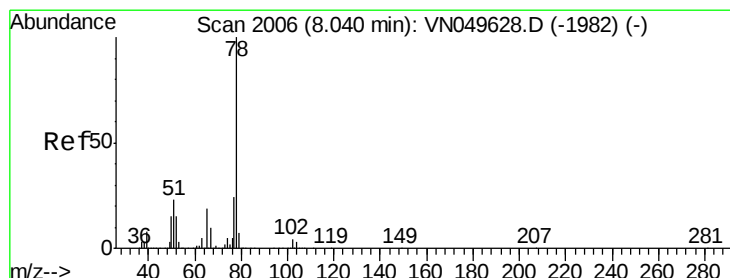
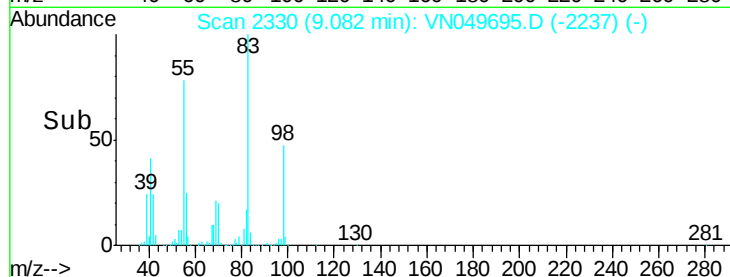
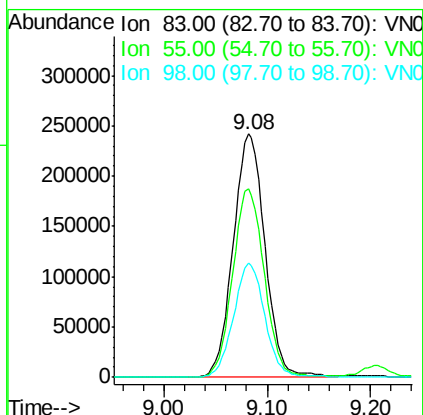
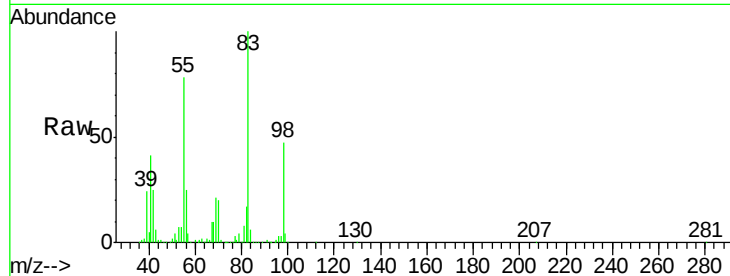




#39
Methvlcvclohexane
Concen: 21.19 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

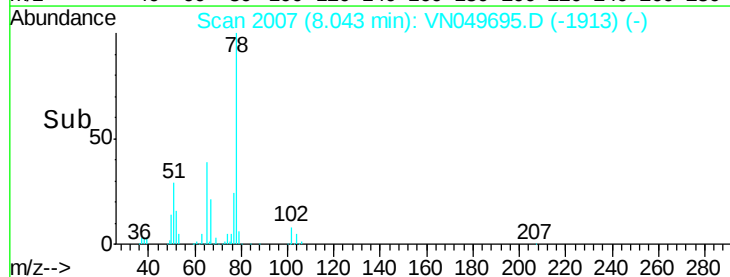
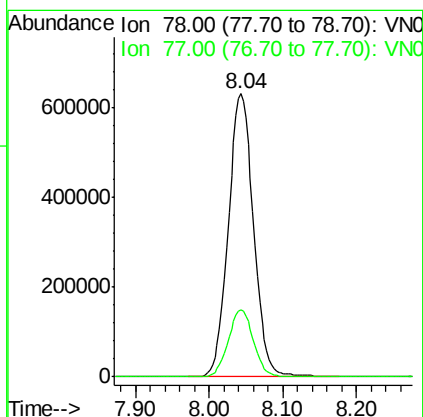
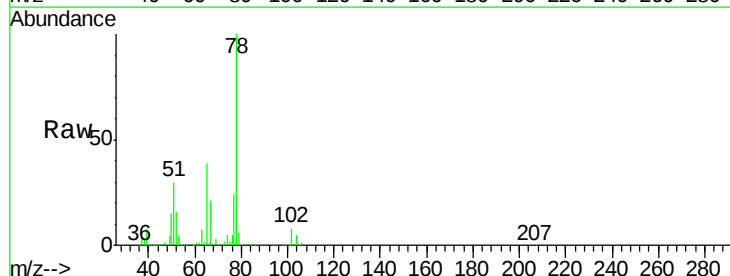
Instrument :
MSVOA_N
ClientSampled :

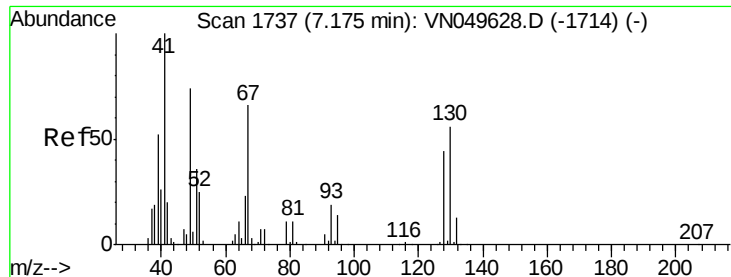
Tot Ion: 83 Resp: 519455
Ion Ratio Lower Upper
83 100
55 77.6 59.7 89.5
98 46.7 36.5 54.7



#40
Benzene
Concen: 22.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 78 Resp: 1501955
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

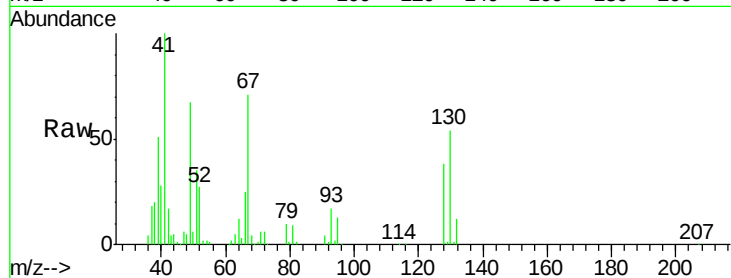




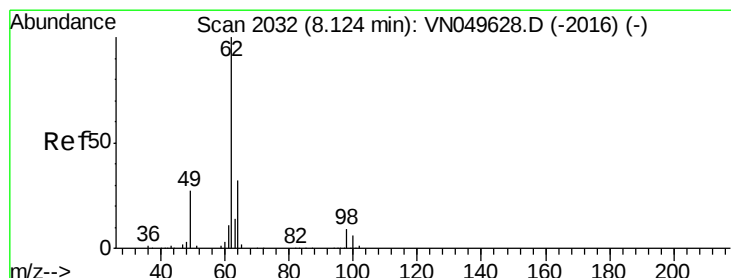
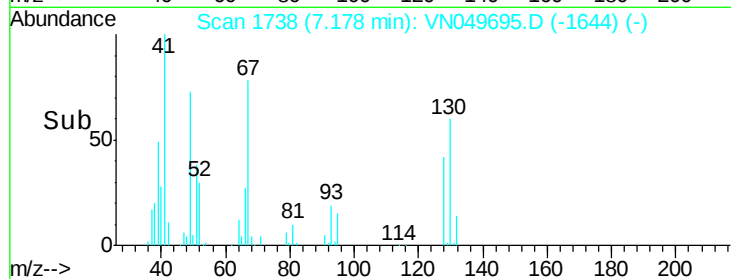
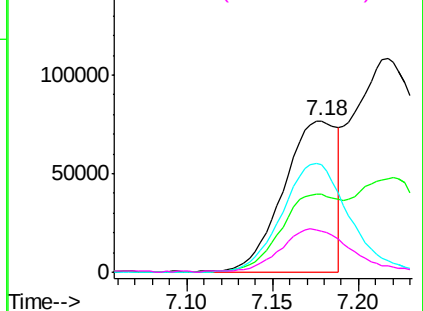
#41
Methacrylonitrile
Concen: 22.57 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 165886
Ion Ratio Lower Upper
41 100
39 57.1 45.4 68.2
67 90.8 65.4 98.0
52 37.0 24.7 37.1

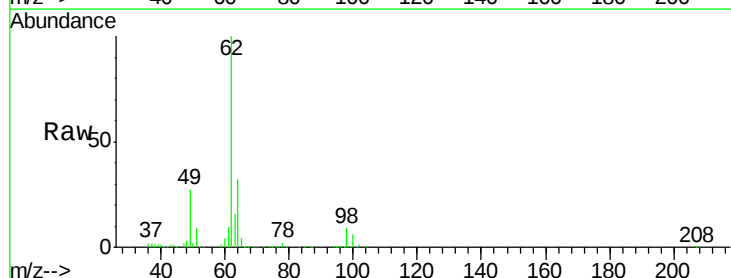


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

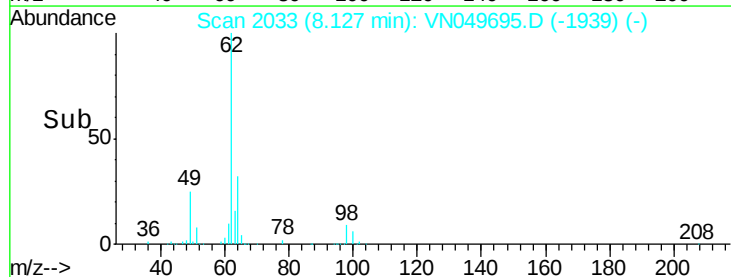
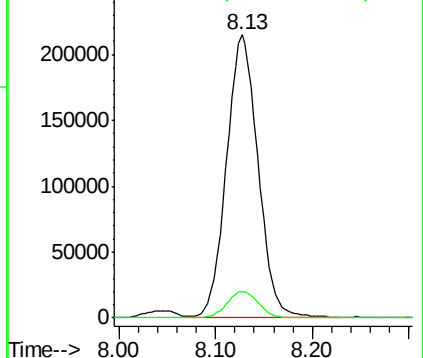


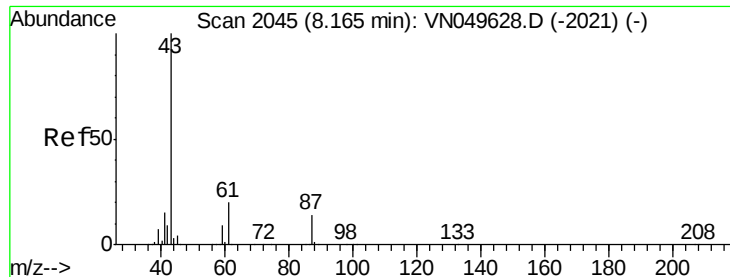
#42
1,2-Dichloroethane
Concen: 22.20 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 62 Resp: 483611
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 25.84 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.01 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

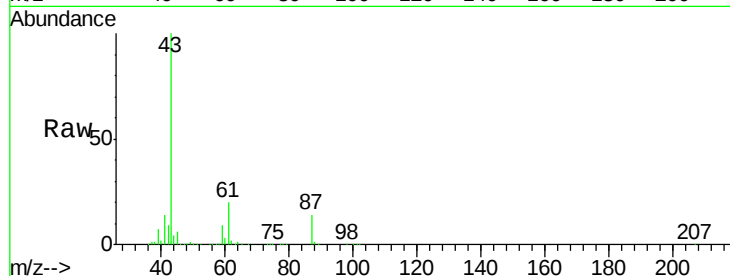
Tot Ion: 43 Resp: 676328

Ion Ratio Lower Upper

43 100

61 25.2 14.9 22.3#

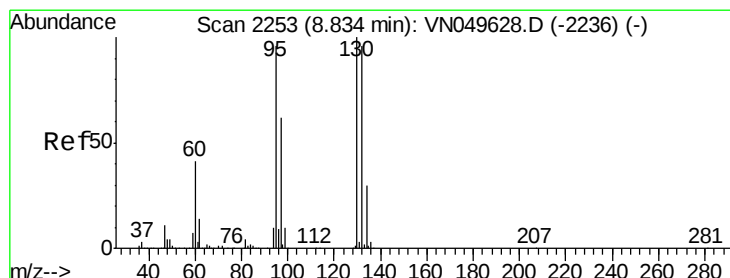
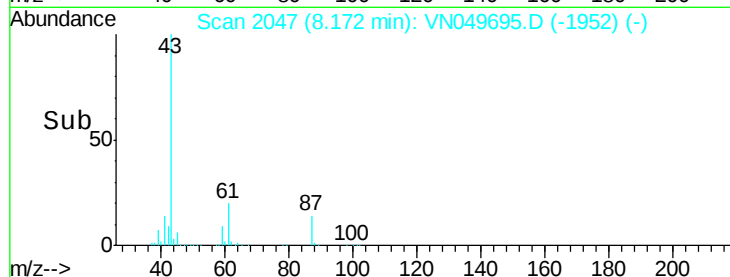
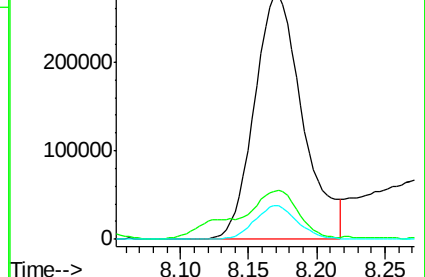
87 12.4 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2021) (-)

Ion 61.00 (60.70 to 61.70): VN049628.D (-2021) (-)

Ion 87.00 (86.70 to 87.70): VN049628.D (-2021) (-)



#44

Trichloroethene

Concen: 21.42 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049695.D

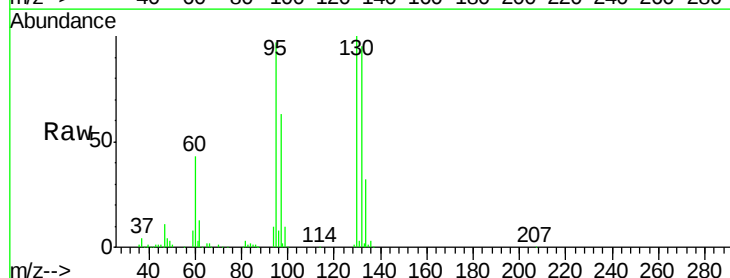
Acq: 3 Jul 2018 15:55

Tgt Ion: 130 Resp: 440992

Ion Ratio Lower Upper

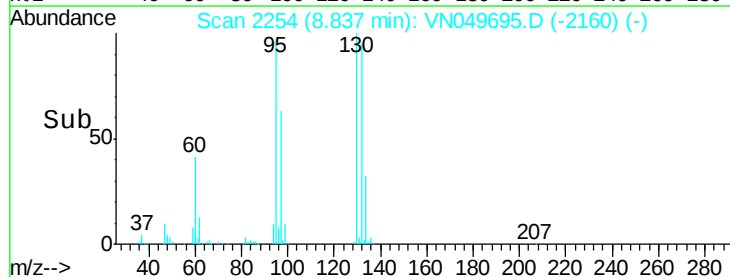
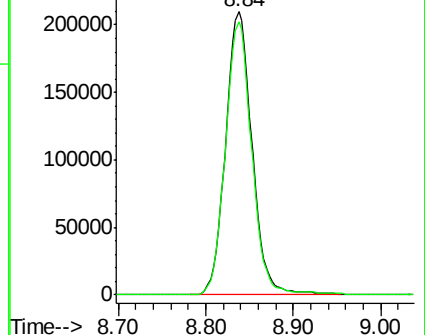
130 100

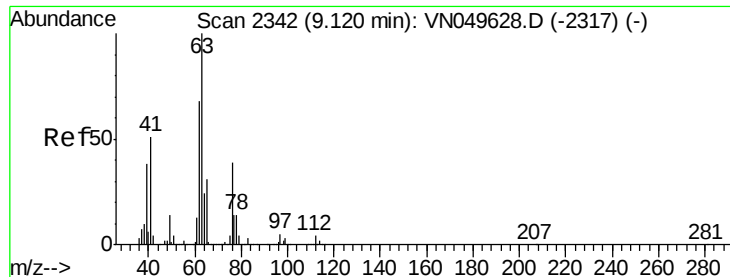
95 96.5 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049628.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049628.D (-2236) (-)





#45

1,2-Dichloropropane

Concen: 22.32 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

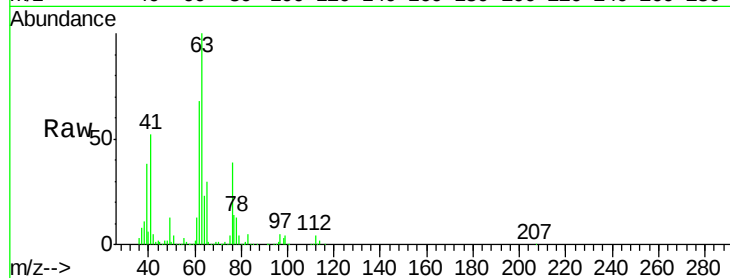
ClientSampleId :

Tot Ion: 63 Resp: 393744

Ion Ratio Lower Upper

63 100

65 30.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-2317) (-)

Ion 64.90 (64.60 to 65.60): VN049628.D (-2317) (-)

9.12

200000

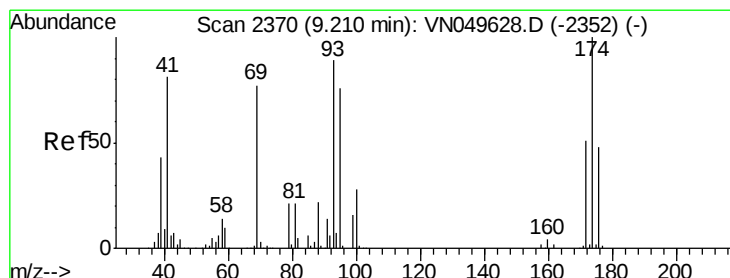
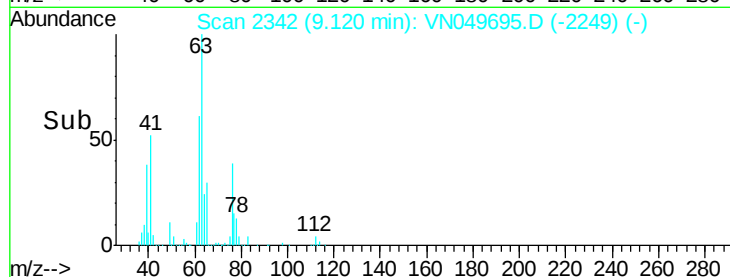
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 22.64 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

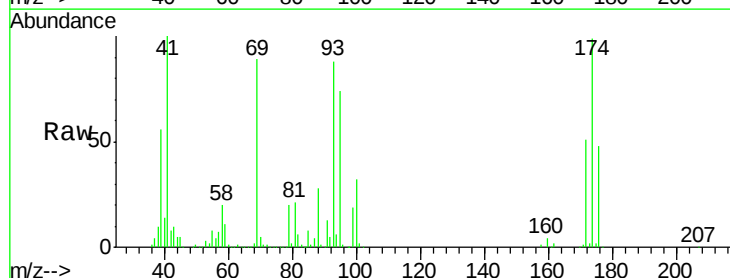
Tgt Ion: 93 Resp: 241602

Ion Ratio Lower Upper

93 100

95 83.7 67.9 101.9

174 112.1 89.4 134.0



Abundance Ion 92.80 (92.50 to 93.50): VN049628.D (-2352) (-)

Ion 94.80 (94.50 to 95.50): VN049628.D (-2352) (-)

Ion 173.70 (173.40 to 174.40): VN049628.D (-2352) (-)

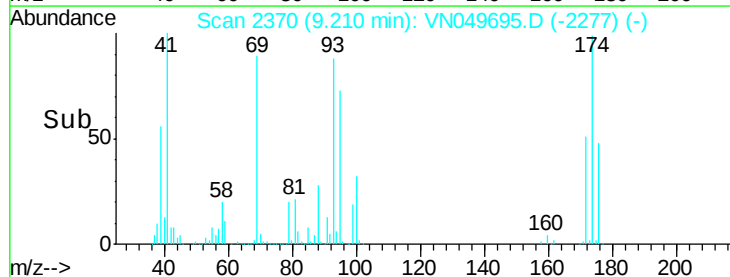
150000

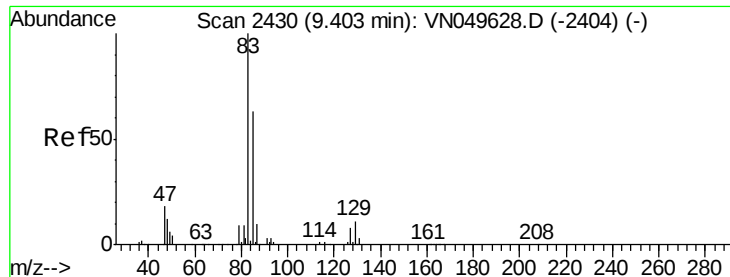
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 21.79 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

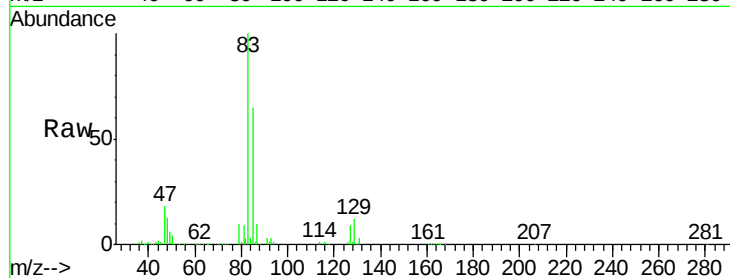
Tot Ion: 83 Resp: 494909

Ion Ratio Lower Upper

83 100

85 65.0 50.5 75.7

127 8.7 6.8 10.2

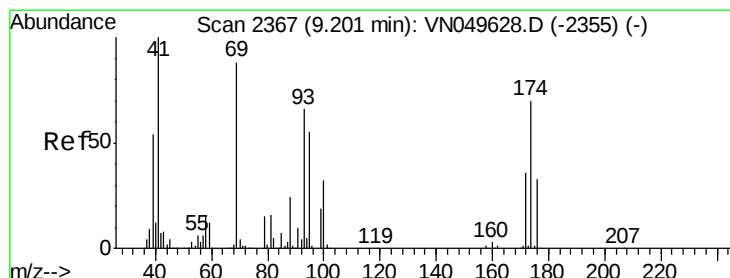
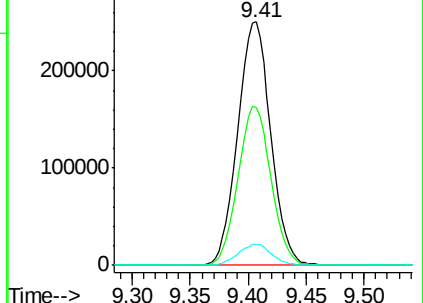
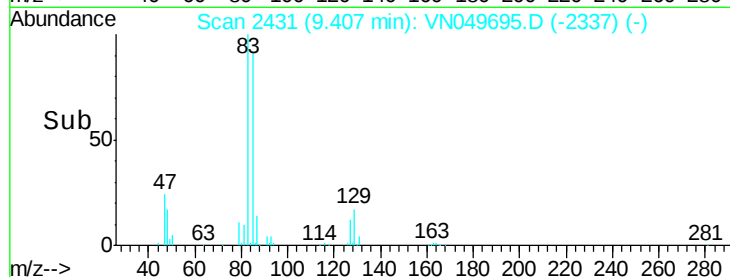


Abundance Ion 82.90 (82.60 to 83.60): VN049628.D (-2404) (-)

Ion 84.90 (84.60 to 85.60): VN049628.D (-2404) (-)

Ion 126.80 (126.50 to 127.50): VN049628.D (-2404) (-)

Time-->



#48

Methyl methacrylate

Concen: 25.72 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

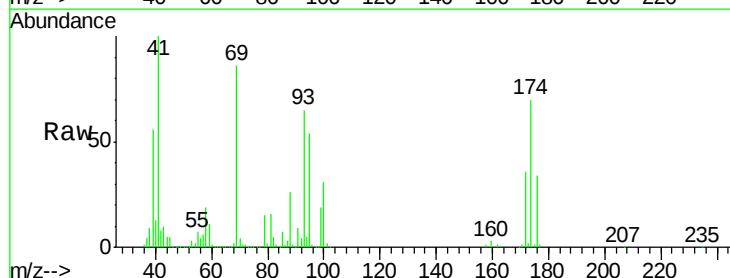
Tgt Ion: 41 Resp: 298033

Ion Ratio Lower Upper

41 100

69 87.7 71.5 107.3

39 54.9 44.7 67.1

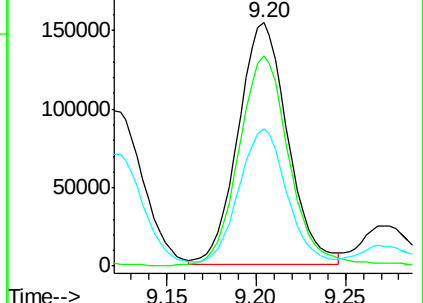
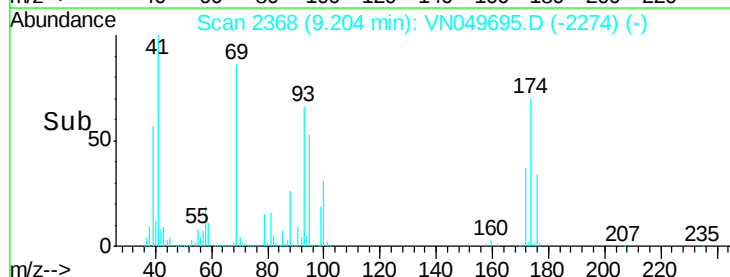


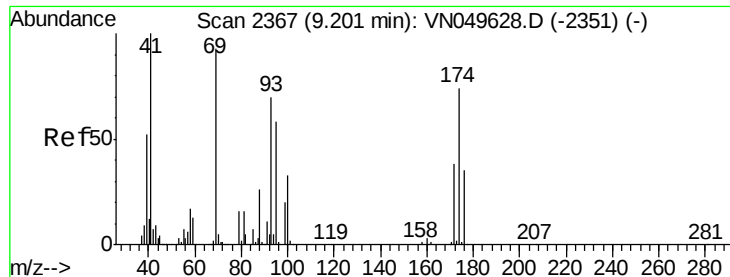
Abundance Ion 41.00 (40.70 to 41.70): VN049628.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN049628.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN049628.D (-2355) (-)

Time-->

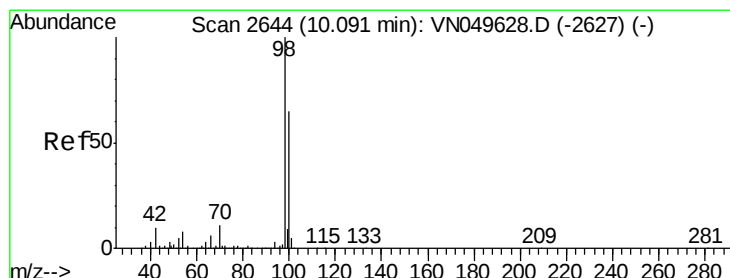
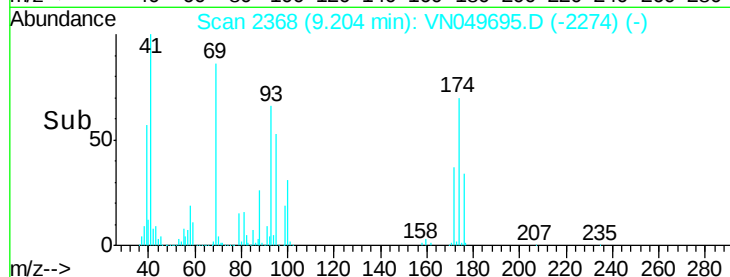
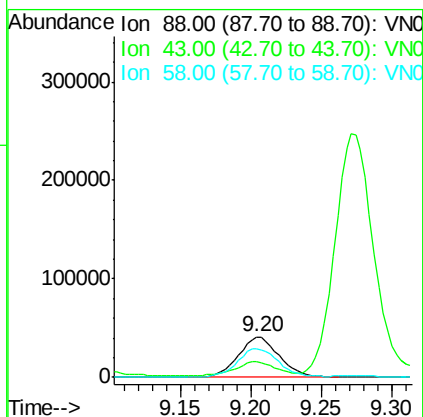
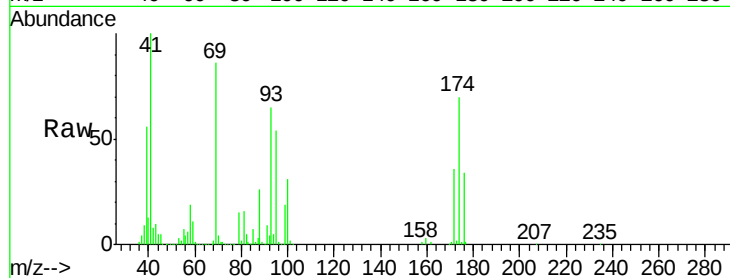




#49
1,4-Dioxane
Concen: 535.91 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

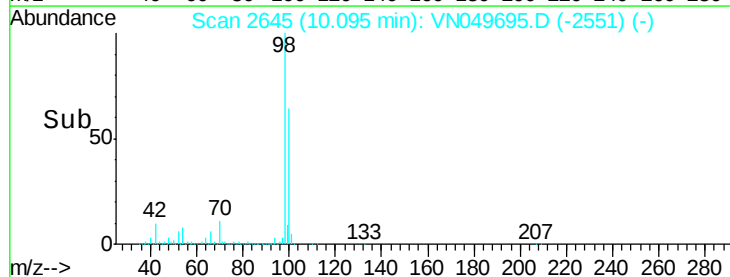
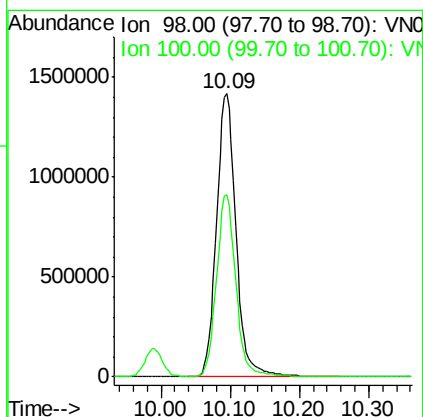
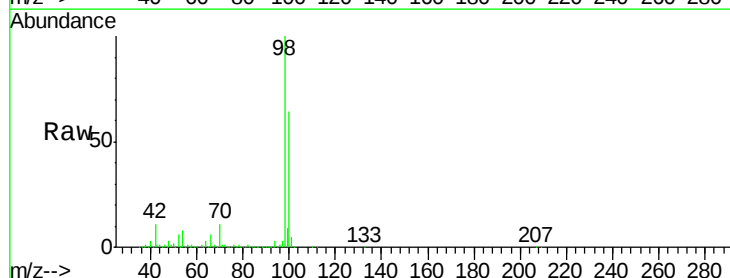
Instrument :
MSVOA_N
ClientSampleId :

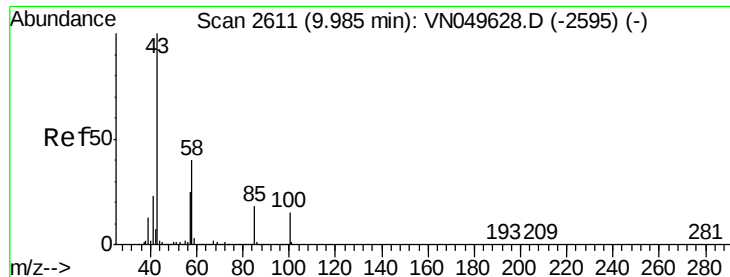
Tot Ion: 88 Resp: 83494
Ion Ratio Lower Upper
88 100
43 33.2 25.1 37.7
58 72.0 52.5 78.7



#50
Toluene-d8
Concen: 47.62 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 98 Resp: 2769103
Ion Ratio Lower Upper
98 100
100 64.3 51.7 77.5

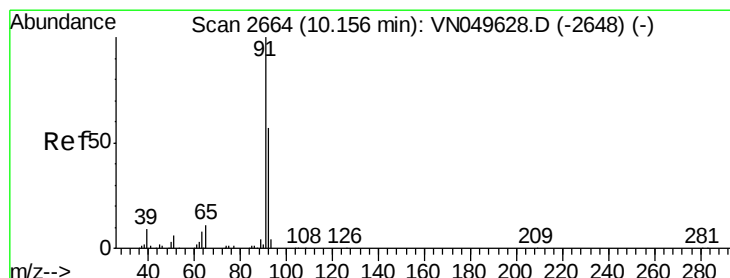
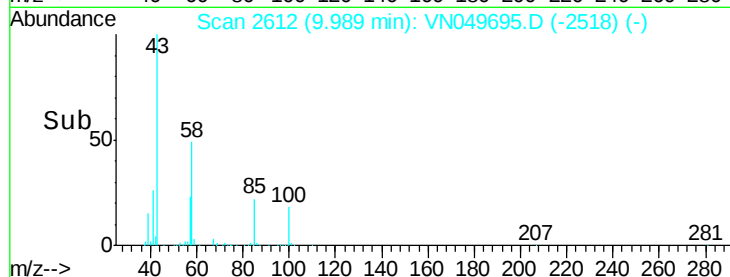
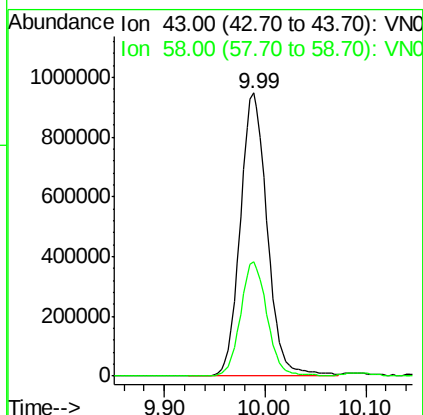
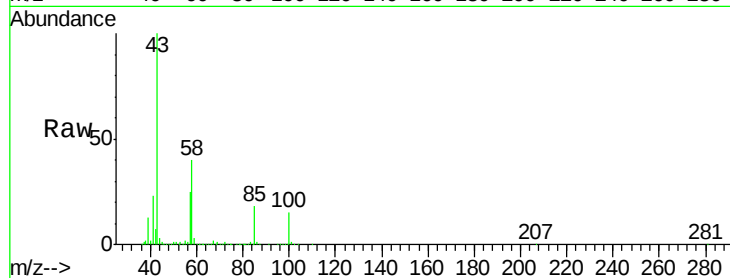




#51
4-Methyl-2-Pentanone
Concen: 136.51 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

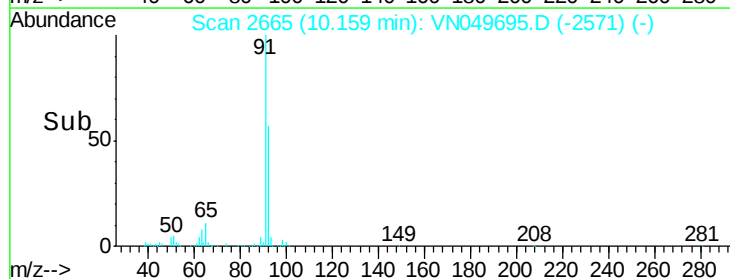
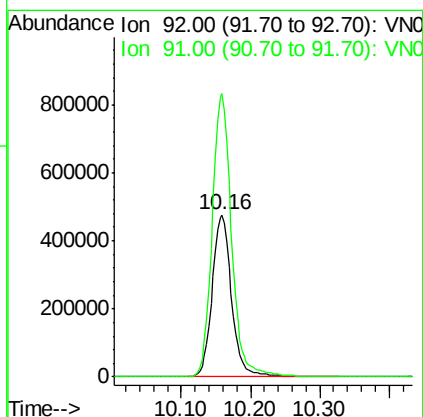
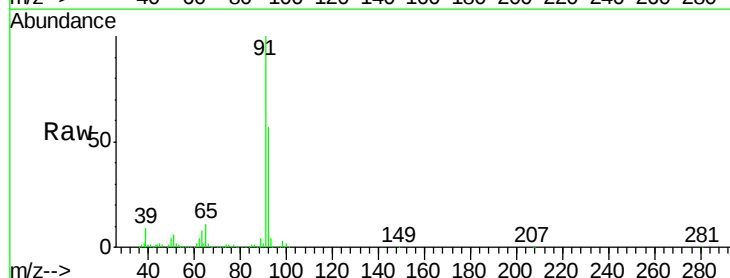
Instrument :
MSVOA_N
ClientSampled :

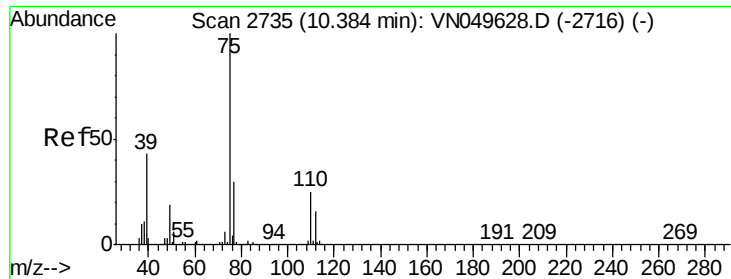
Tot Ion: 43 Resp: 1745447
Ion Ratio Lower Upper
43 100
58 40.0 31.8 47.8



#52
Toluene
Concen: 22.37 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 92 Resp: 922552
Ion Ratio Lower Upper
92 100
91 175.3 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 19.79 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

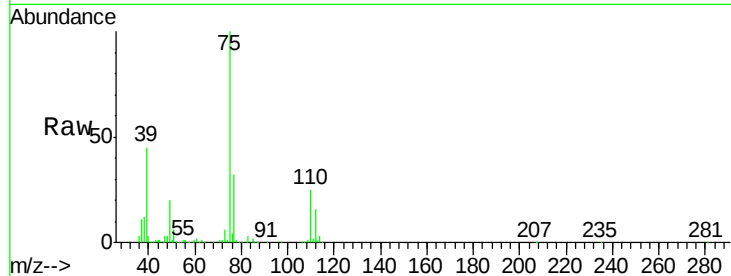
ClientSampled :

Tot Ion: 75 Resp: 430411

Ion Ratio Lower Upper

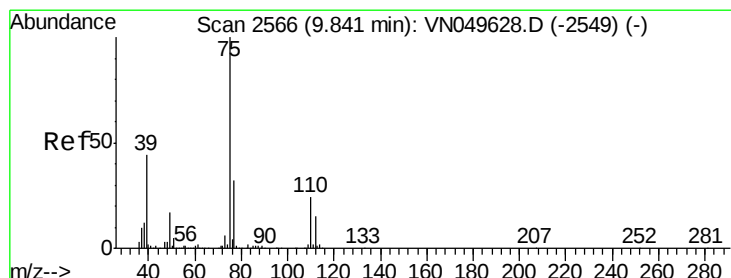
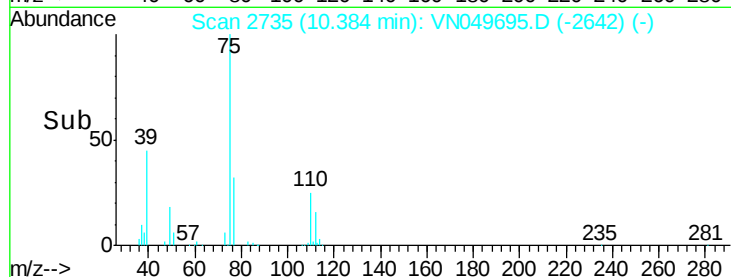
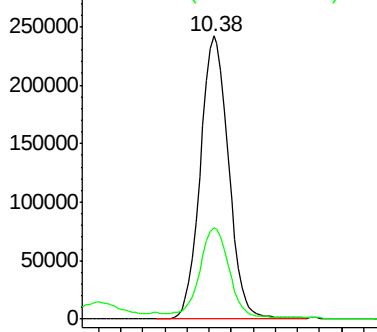
75 100

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: 20.29 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

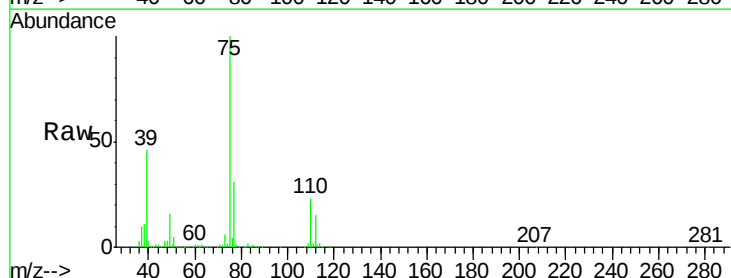
Tgt Ion: 75 Resp: 515729

Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9

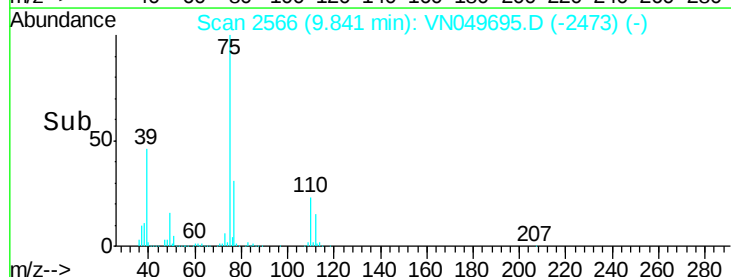
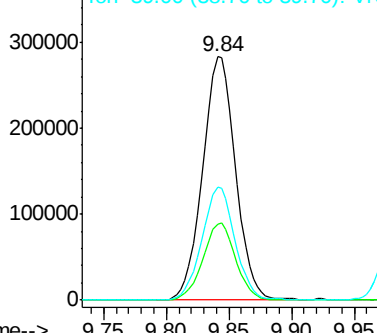
39 46.4 35.5 53.3

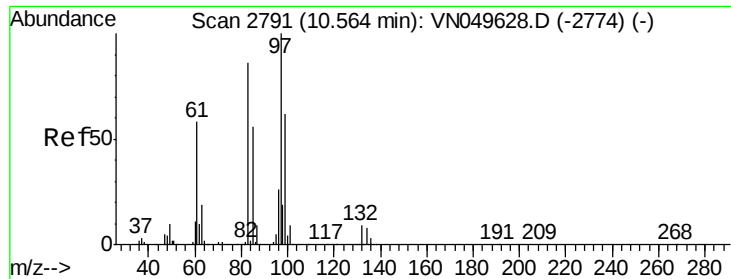


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

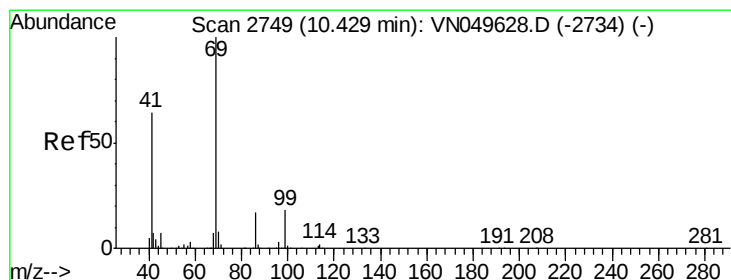
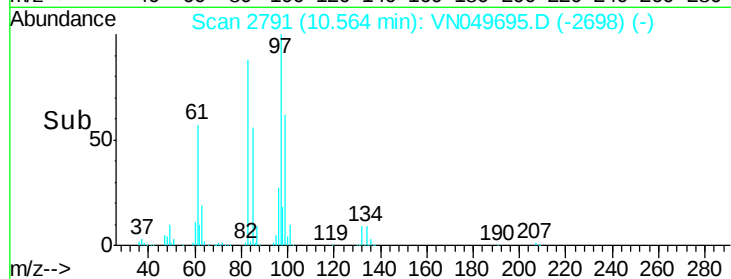
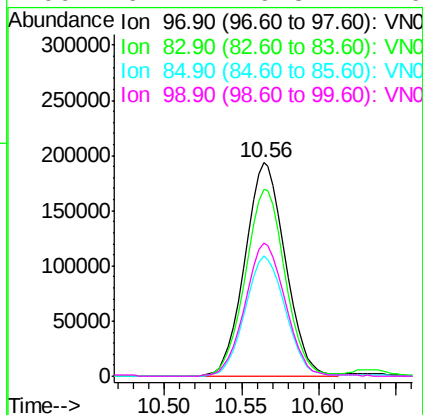
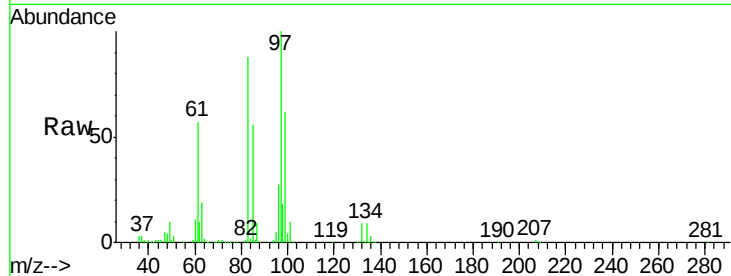




#55
 1,1,2-Trichloroethane
 Concen: 22.95 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

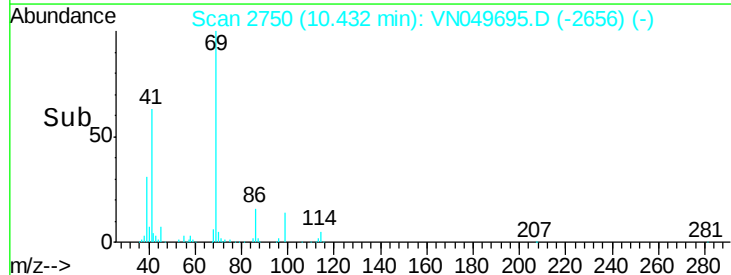
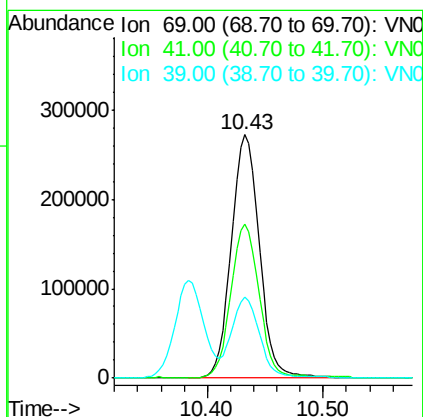
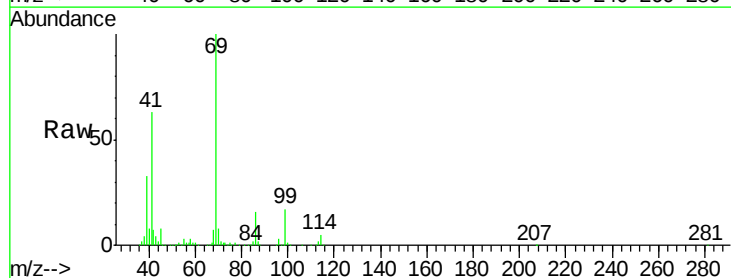
Instrument :
 MSVOA_N
 ClientSampled :

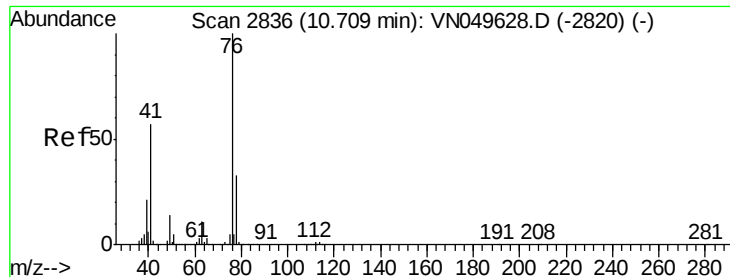
Tot Ion: 97 Resp: 352456
 Ion Ratio Lower Upper
 97 100
 83 87.8 69.0 103.6
 85 56.0 44.9 67.3
 99 62.2 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 25.43 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

Tgt Ion: 69 Resp: 457767
 Ion Ratio Lower Upper
 69 100
 41 63.1 51.6 77.4
 39 32.9 25.8 38.8





#57

1,3-Dichloropropane

Concen: 23.34 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

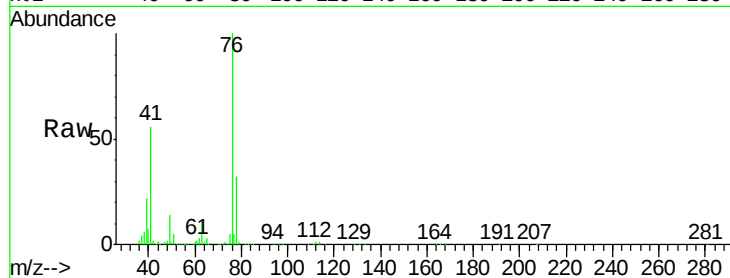
ClientSampleId :

Tot Ion: 76 Resp: 581284

Ion Ratio Lower Upper

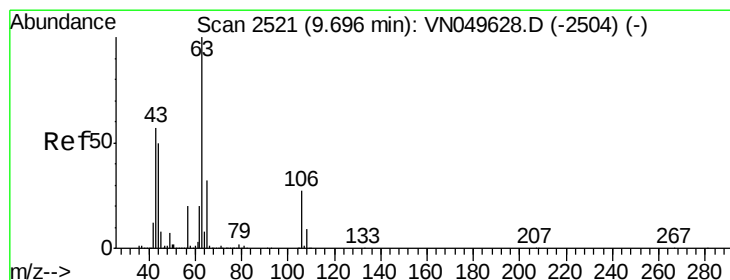
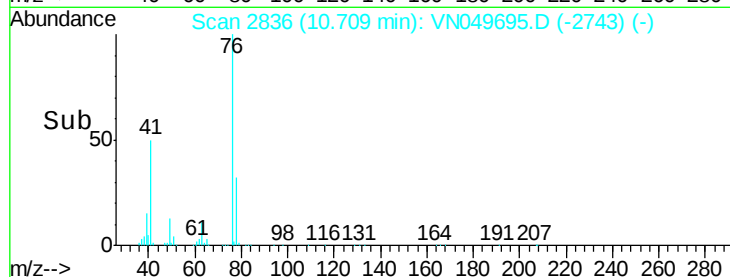
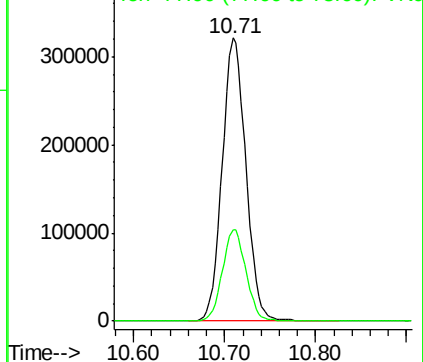
76 100

78 32.2 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: 95.92 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049695.D

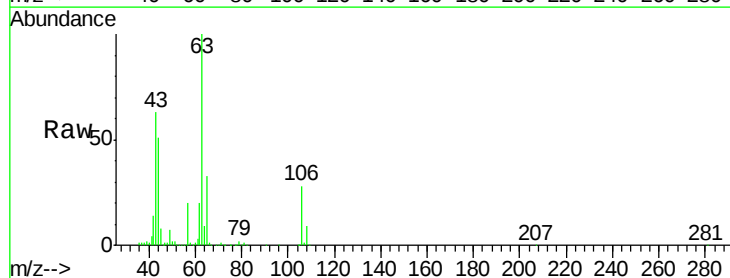
Acq: 3 Jul 2018 15:55

Tgt Ion: 63 Resp: 834581

Ion Ratio Lower Upper

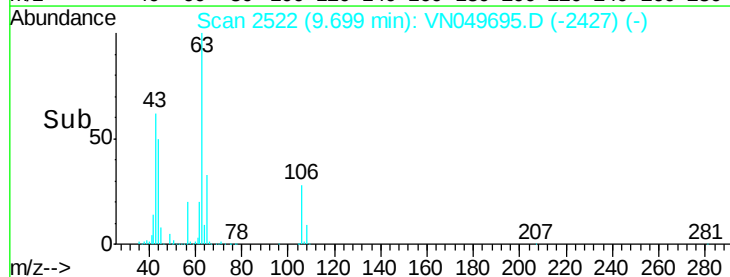
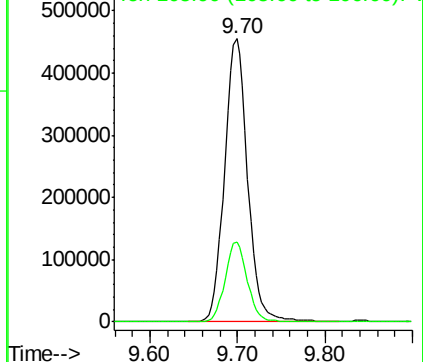
63 100

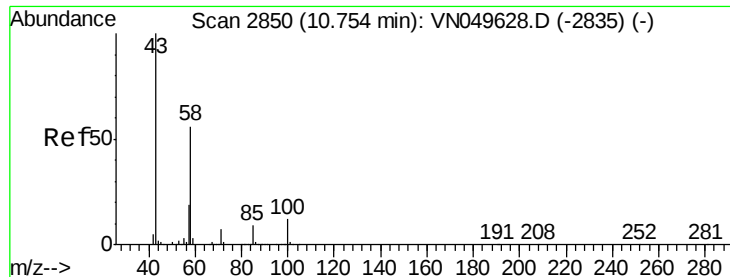
106 27.2 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

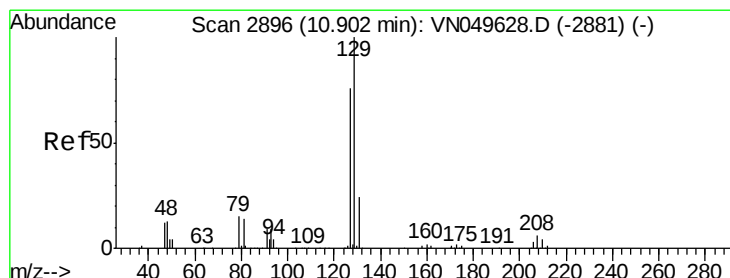
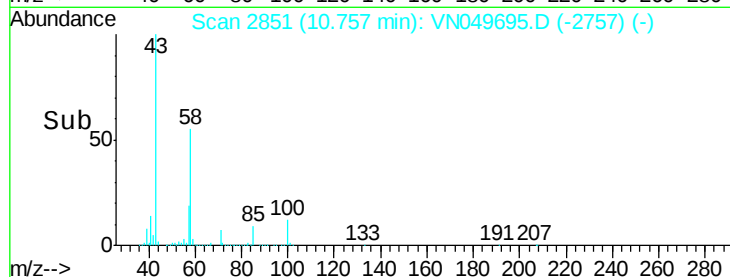
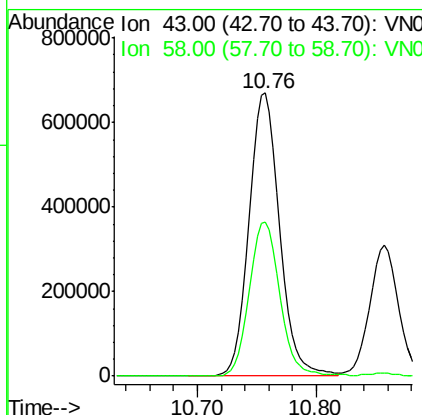
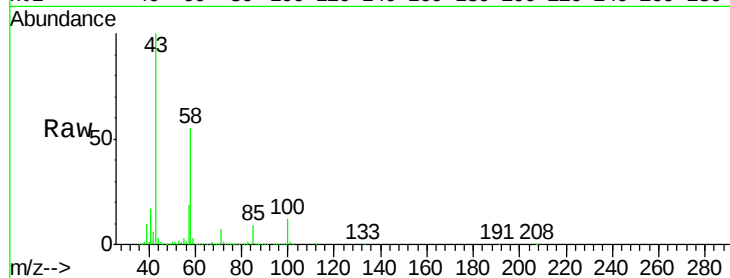




#59
2-Hexanone
Concen: 140.79 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

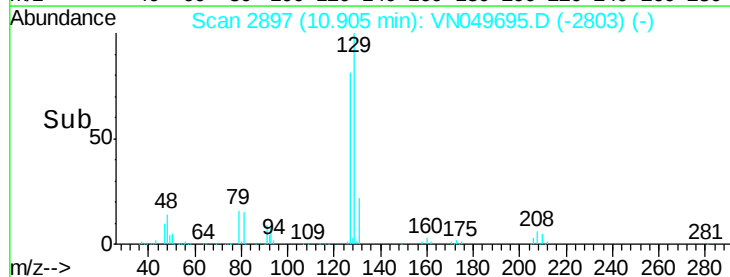
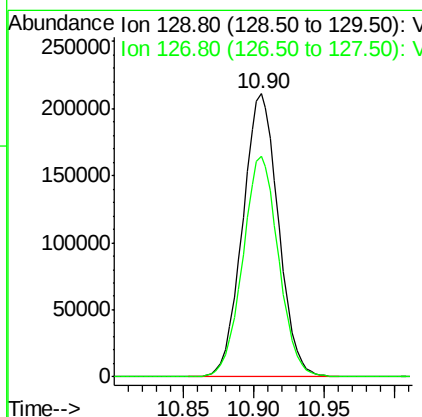
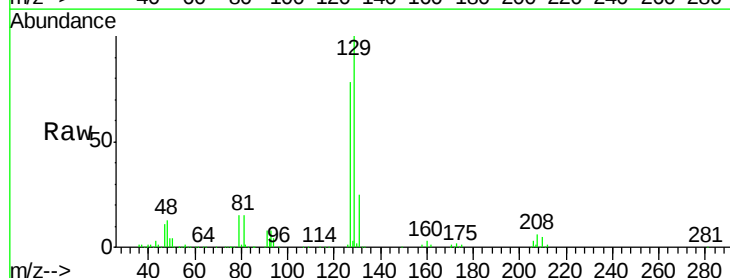
Instrument :
MSVOA_N
ClientSampled :

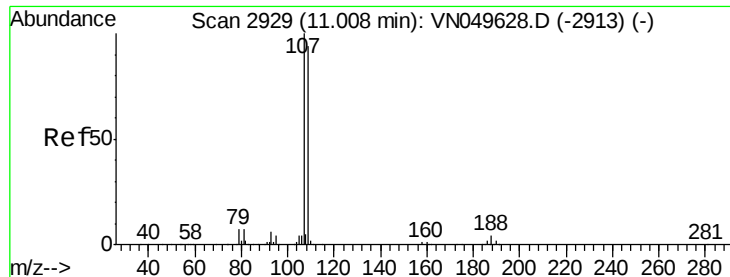
Tot Ion: 43 Resp: 1190373
Ion Ratio Lower Upper
43 100
58 54.8 27.8 83.4



#60
Dibromochloromethane
Concen: 22.61 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 129 Resp: 375350
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.9

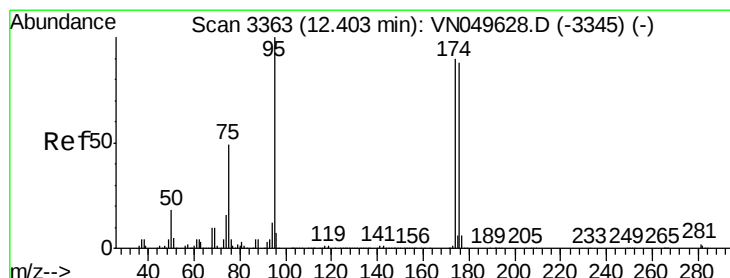
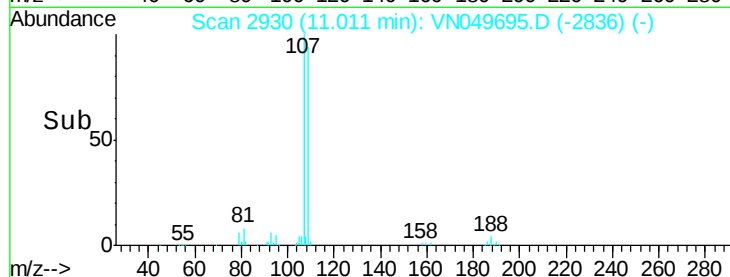
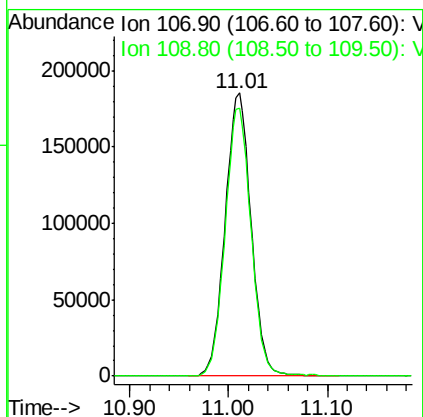
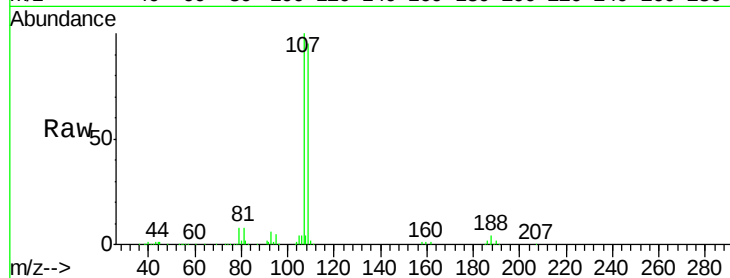




#61
 1,2-Dibromoethane
 Concen: 23.22 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

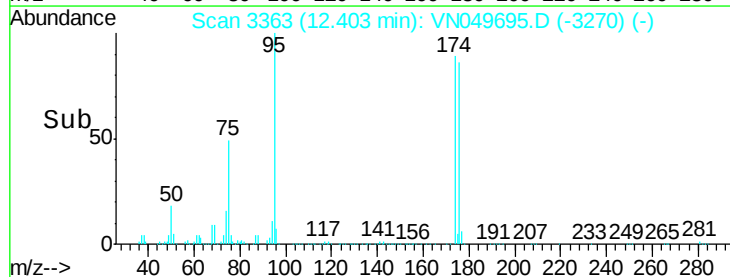
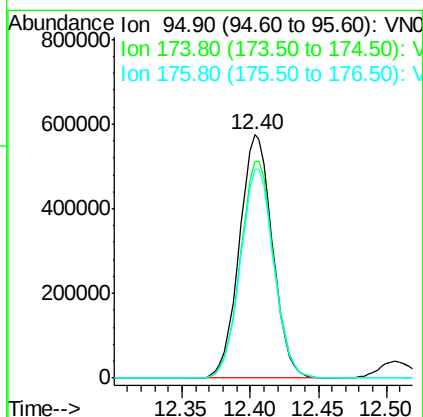
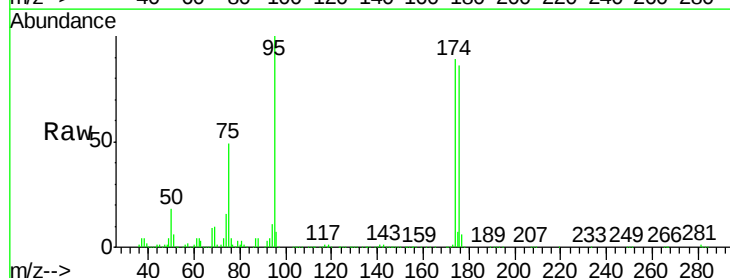
Instrument :
 MSVOA_N
 ClientSampleId :

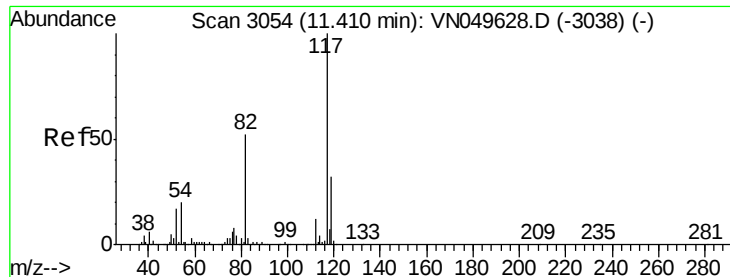
Tot Ion:107 Resp: 341621
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 48.70 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

Tgt Ion: 95 Resp: 966877
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 179.6
 176 86.8 0.0 174.0

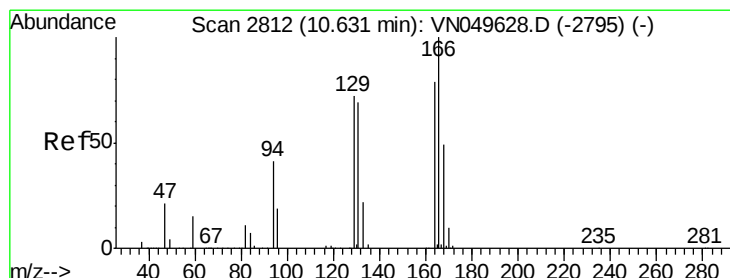
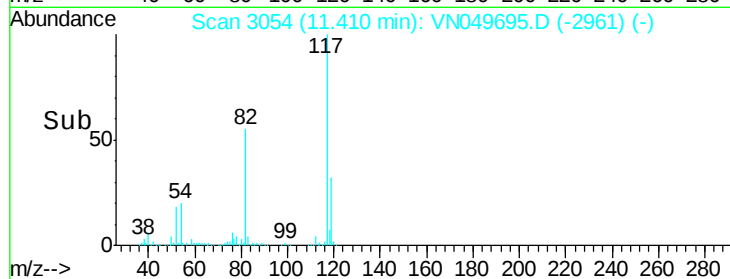
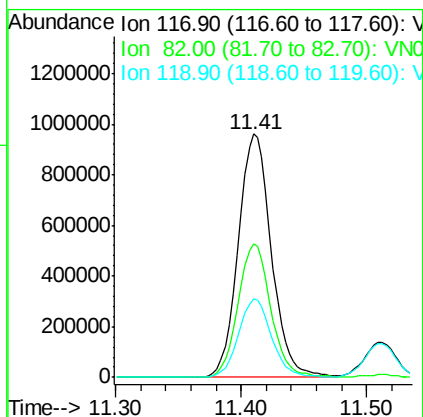
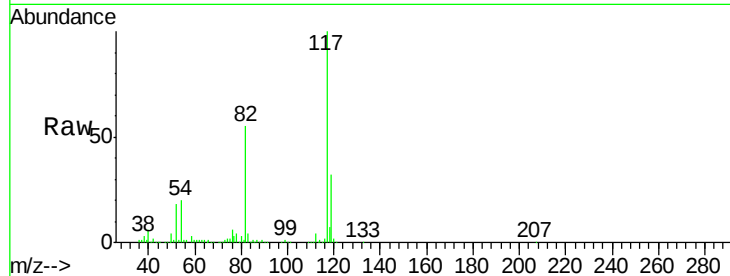




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

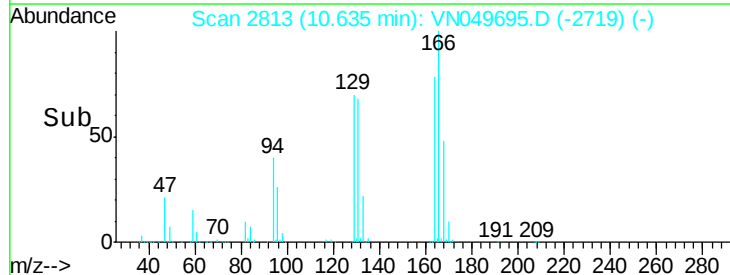
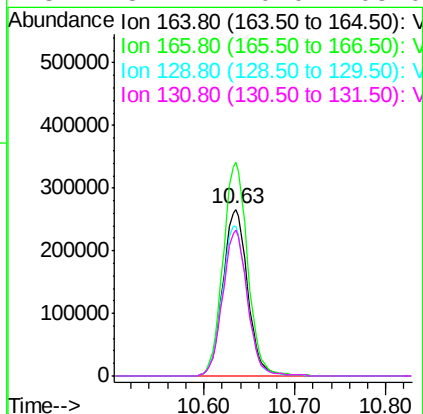
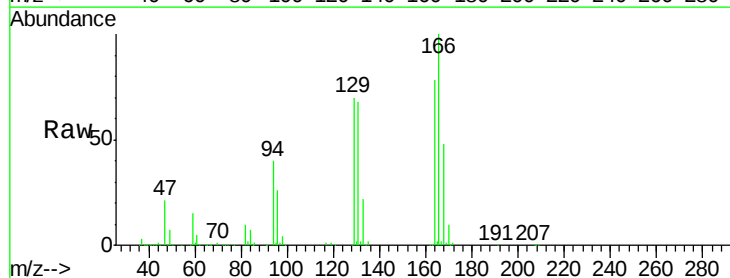
Instrument :
MSVOA_N
ClientSampled :

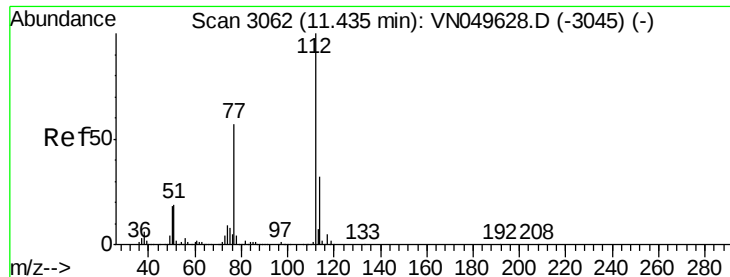
Tot Ion:117 Resp: 1764073
Ion Ratio Lower Upper
117 100
82 54.7 41.9 62.9
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 21.01 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion:164 Resp: 501883
Ion Ratio Lower Upper
164 100
166 128.2 101.8 152.6
129 89.9 72.8 109.2
131 87.4 70.0 105.0





#65

Chlorobenzene

Concen: 21.42 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

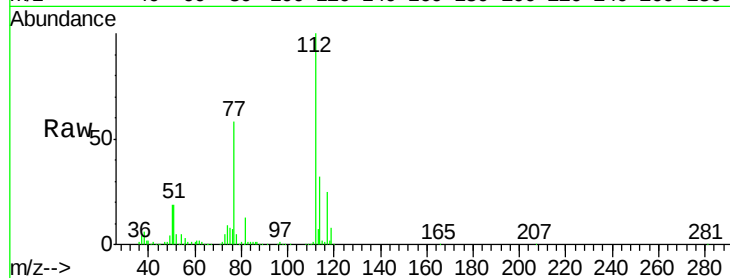
ClientSampled :

Tot Ion:112 Resp: 985784

Ion Ratio Lower Upper

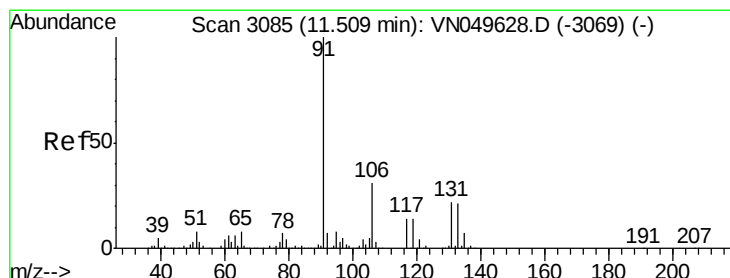
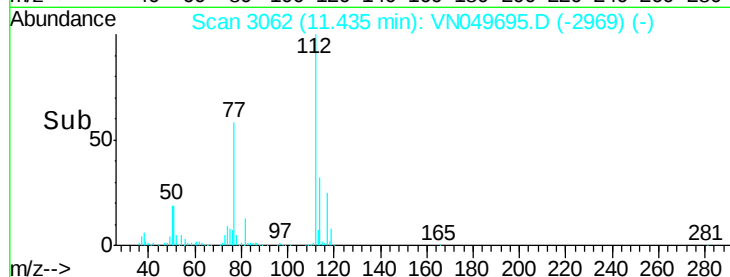
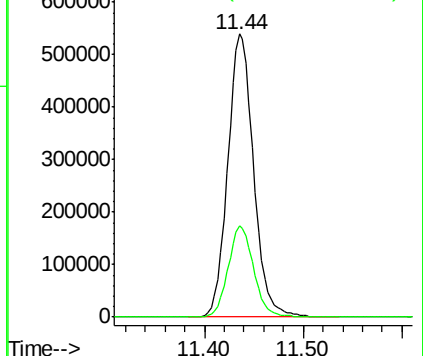
112 100

114 32.2 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.21 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

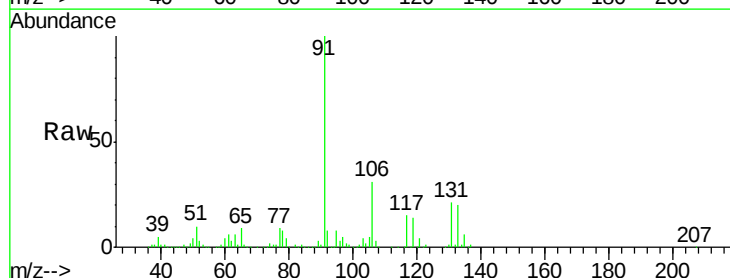
Tgt Ion:131 Resp: 350765

Ion Ratio Lower Upper

131 100

133 96.8 47.5 142.6

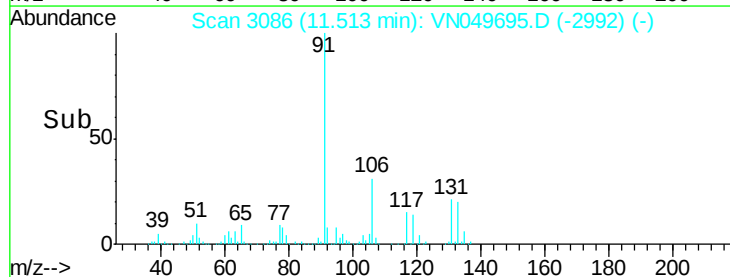
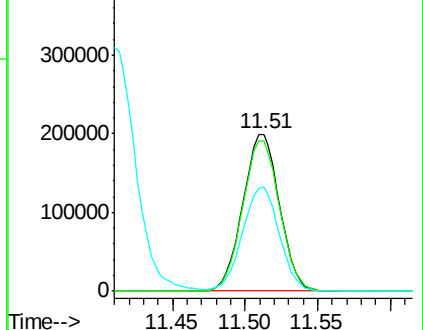
119 66.8 33.1 99.3

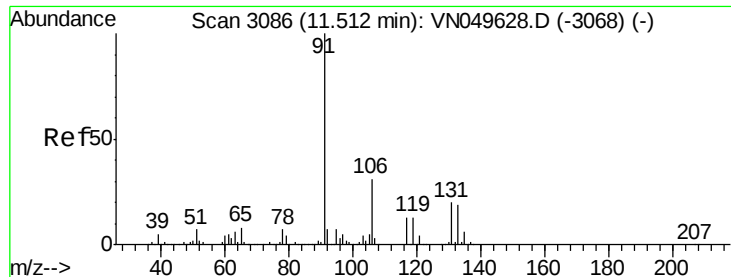


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

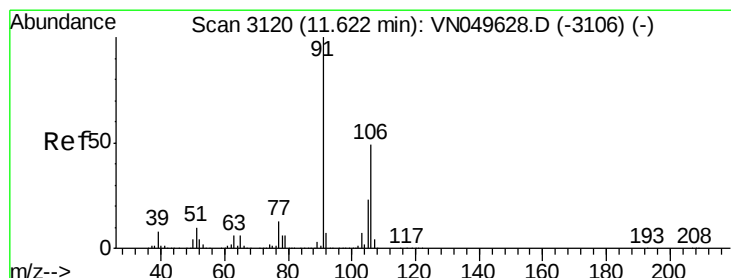
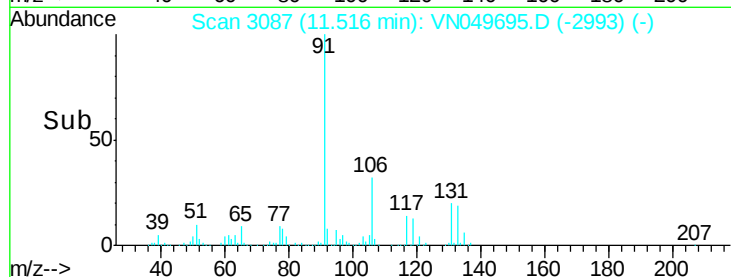
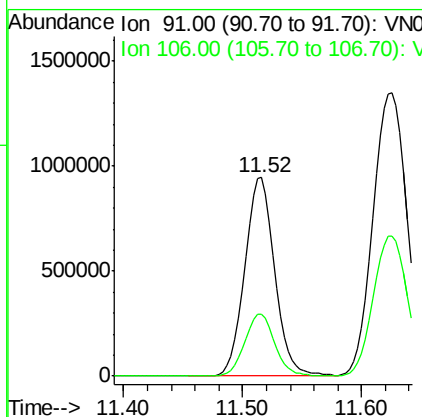
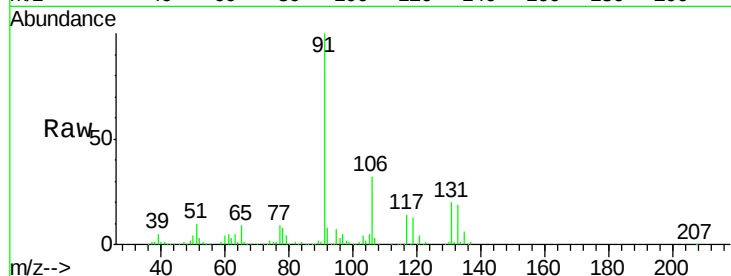




#67
Ethyl Benzene
Concen: 21.69 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

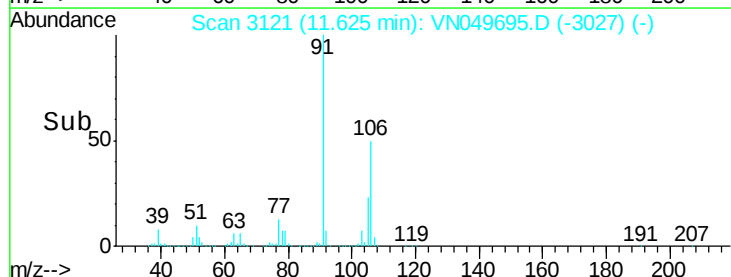
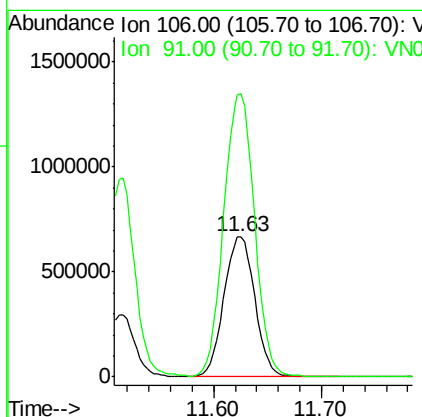
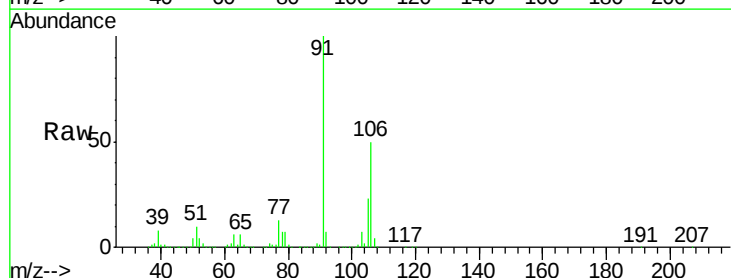
Instrument :
MSVOA_N
ClientSampled :

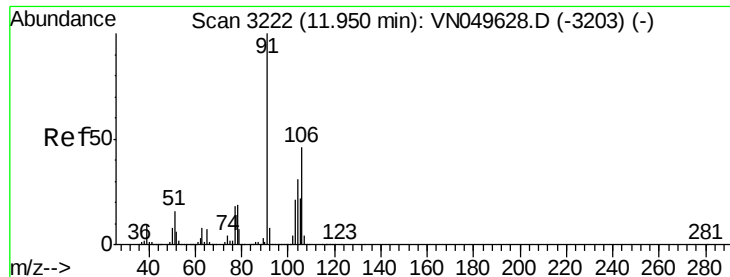
Tot Ion: 91 Resp: 1650305
Ion Ratio Lower Upper
91 100
106 31.6 24.8 37.2



#68
m/p-Xylenes
Concen: 45.68 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 106 Resp: 1331837
Ion Ratio Lower Upper
106 100
91 201.8 163.4 245.2

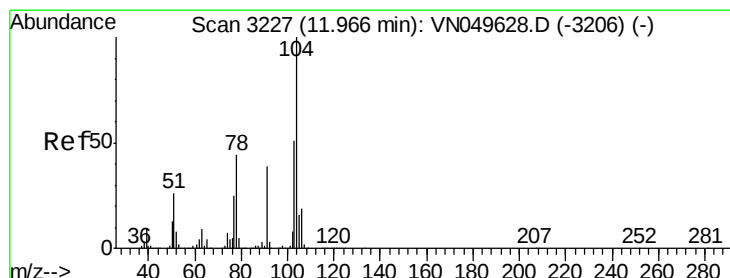
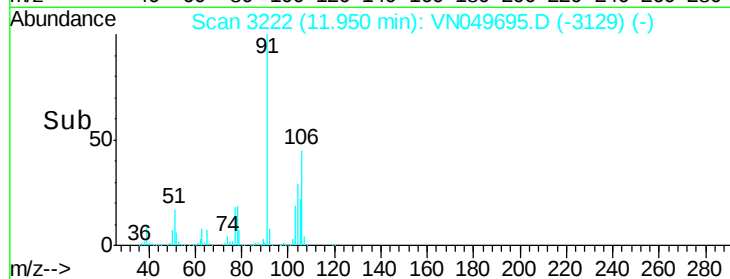
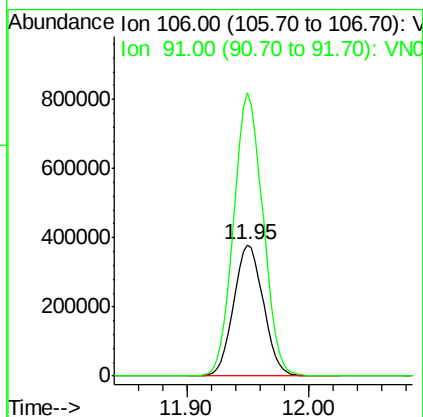
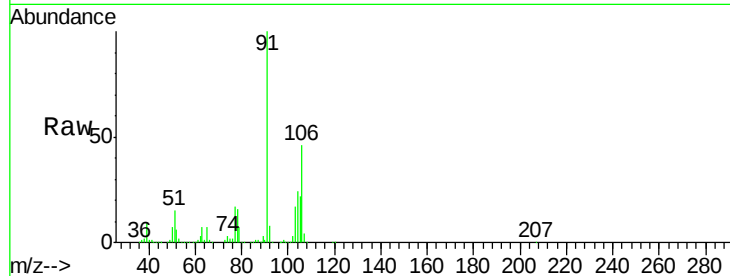




#69
o-Xylene
Concen: 22.98 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

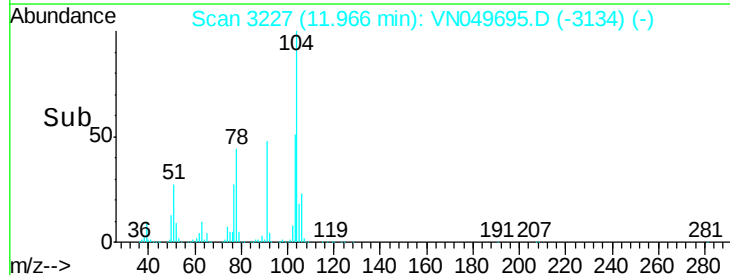
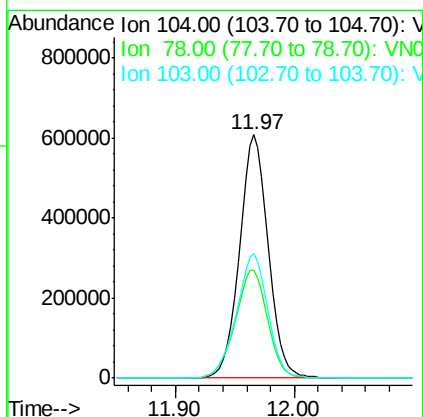
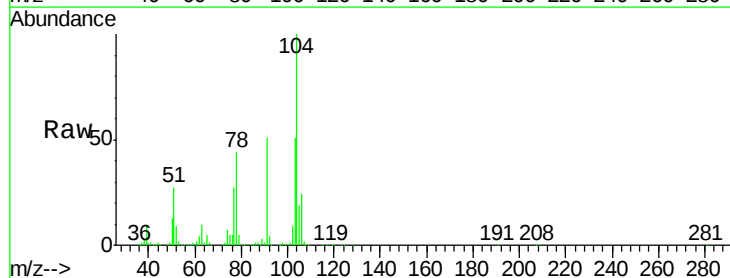
Instrument :
MSVOA_N
ClientSampled :

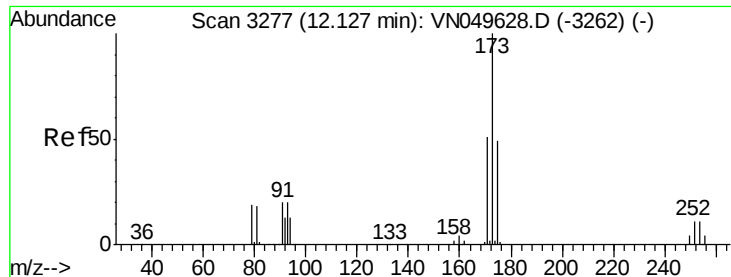
Tot Ion:106 Resp: 641518
Ion Ratio Lower Upper
106 100
91 213.4 108.7 326.1



#70
Styrene
Concen: 22.48 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion:104 Resp: 1015150
Ion Ratio Lower Upper
104 100
78 50.2 39.2 58.8
103 56.0 44.6 67.0

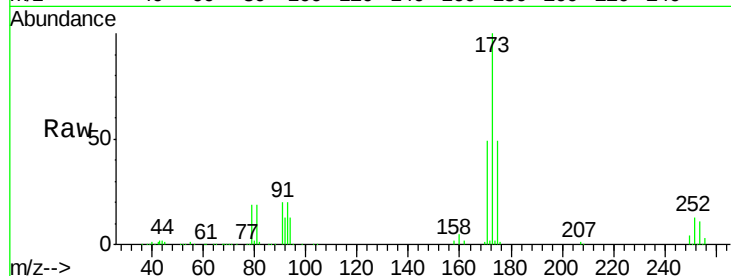




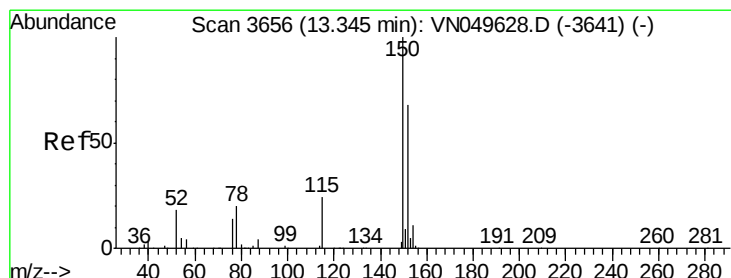
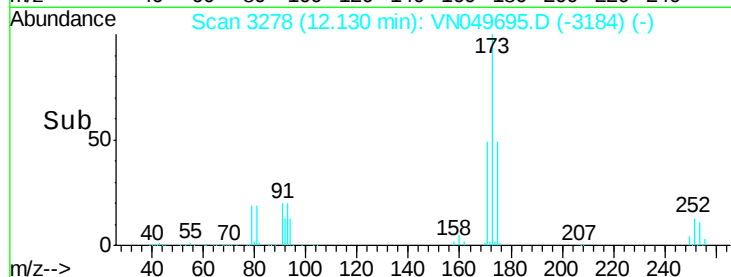
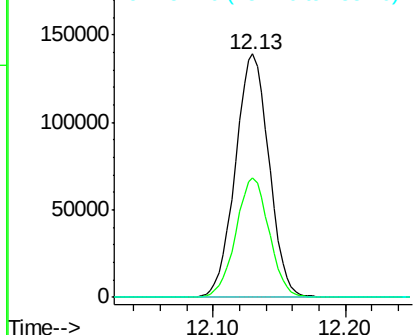
#71
Bromoform
Concen: 22.33 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 245377
Ion Ratio Lower Upper
173 100
175 48.6 24.6 73.8
254 0.1 0.2 0.2#

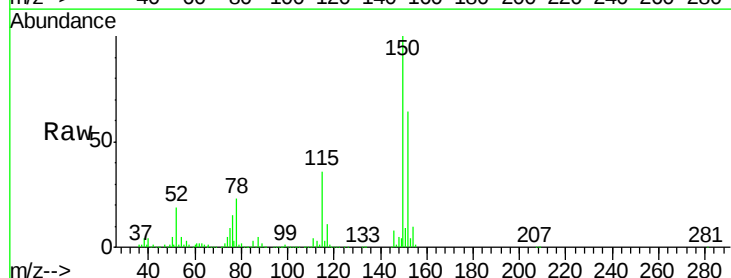


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

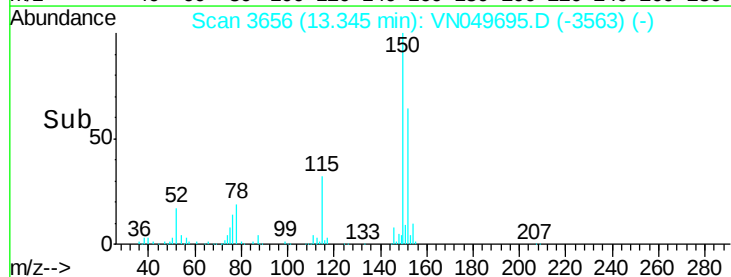
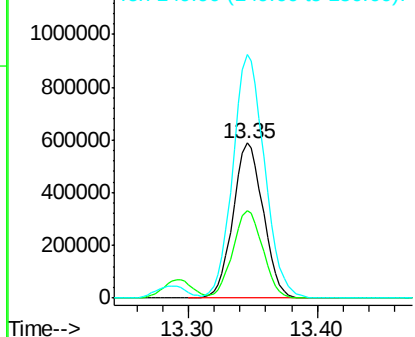


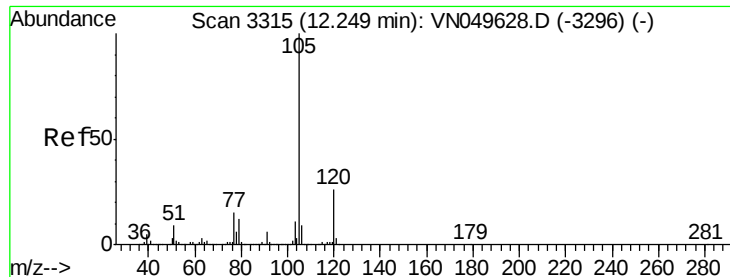
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion:152 Resp: 955621
Ion Ratio Lower Upper
152 100
115 56.0 28.1 84.2
150 165.0 0.0 347.6



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





#73

Isopropylbenzene

Concen: 21.96 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

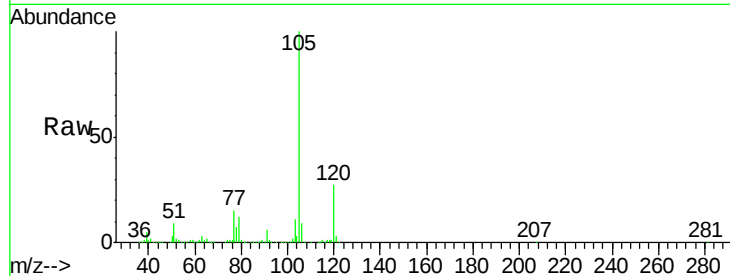
ClientSampled :

Tot Ion:105 Resp: 1671421

Ion Ratio Lower Upper

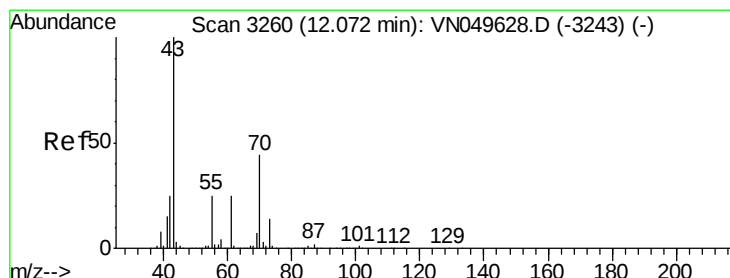
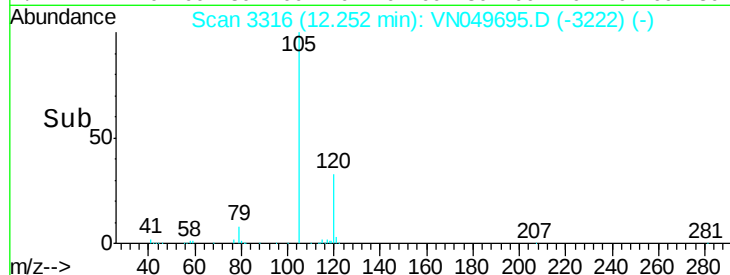
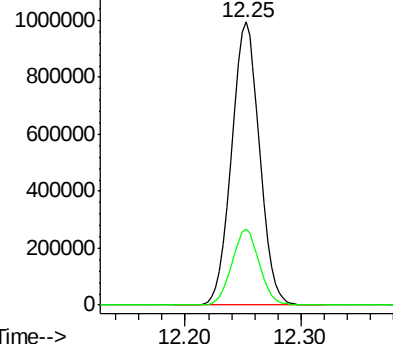
105 100

120 26.5 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: 25.13 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Tgt Ion: 43 Resp: 522442

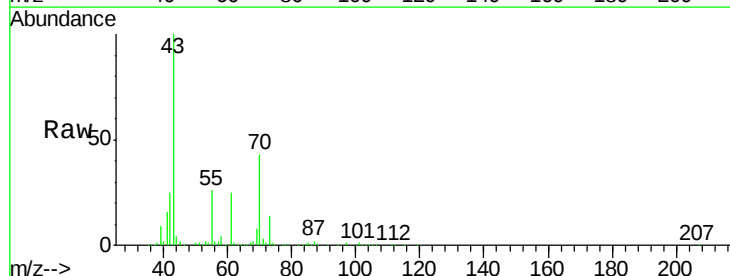
Ion Ratio Lower Upper

43 100

70 42.1 34.8 52.2

55 25.8 20.9 31.3

61 25.0 19.9 29.9

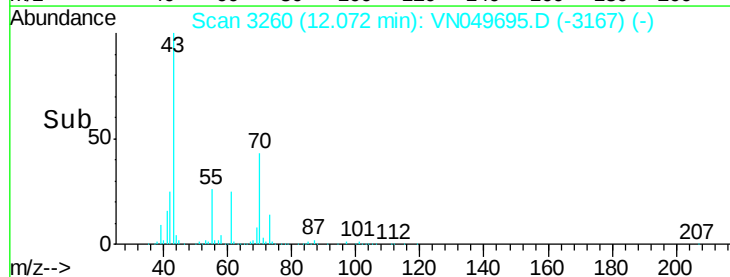
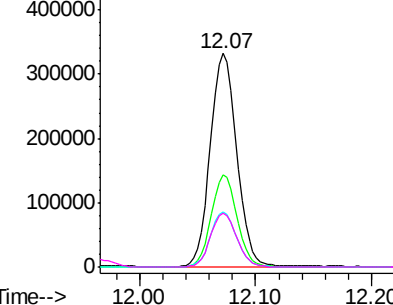


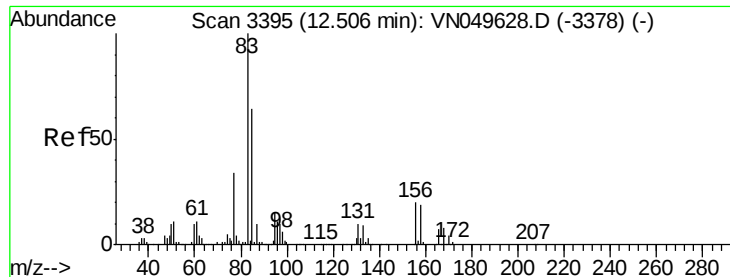
Abundance Ion 43.00 (42.70 to 43.70): V

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: 27.26 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

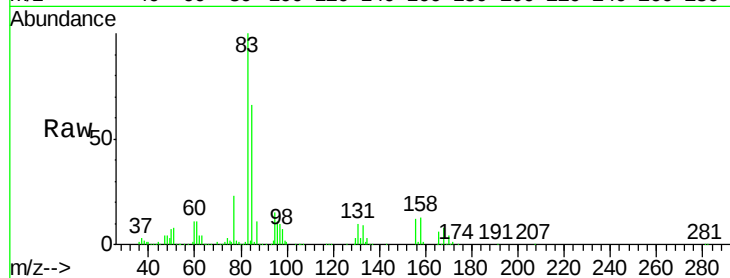
Tot Ion: 83 Resp: 440911

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

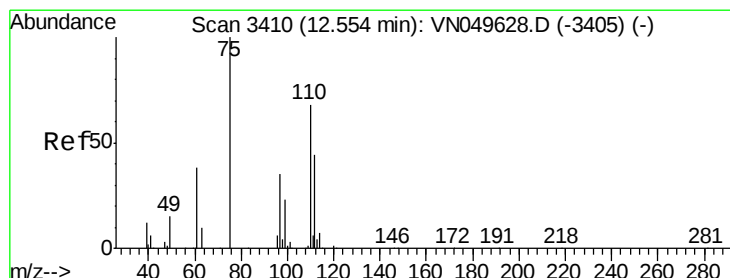
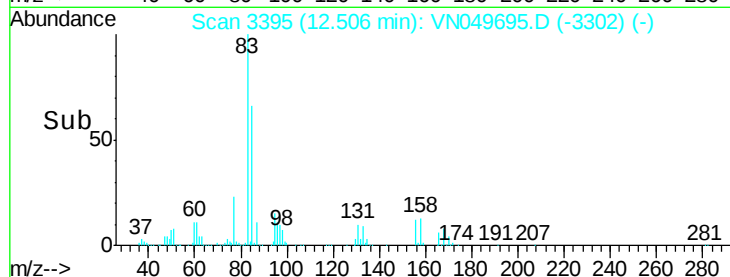
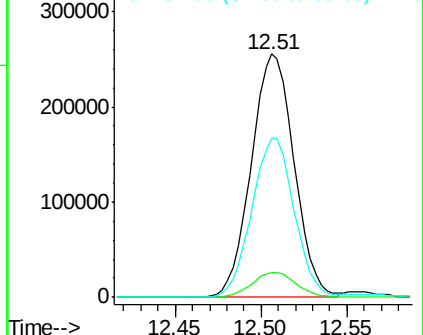
85 64.8 32.5 97.4



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: 32.05 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049695.D

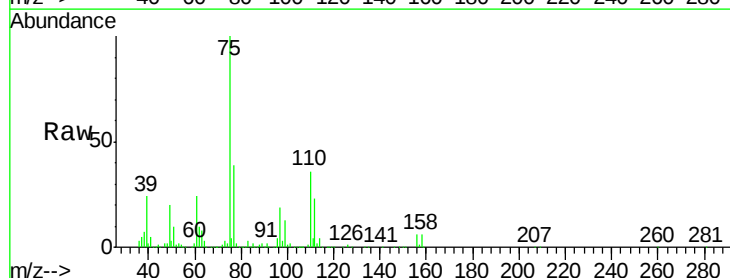
Acq: 3 Jul 2018 15:55

Tgt Ion: 75 Resp: 491170

Ion Ratio Lower Upper

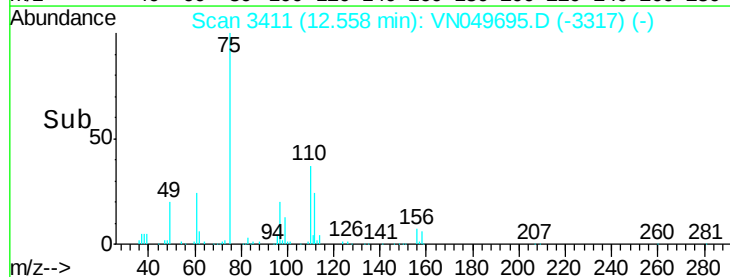
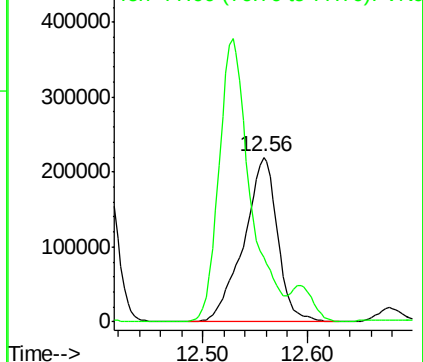
75 100

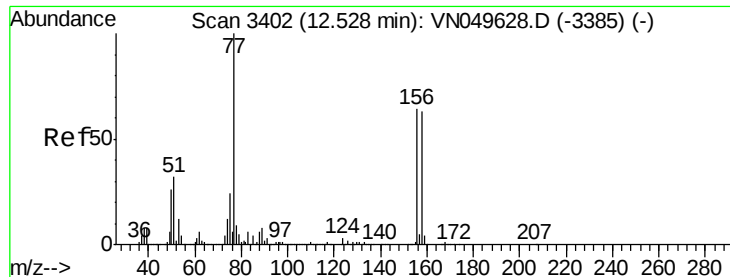
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.70 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampled :

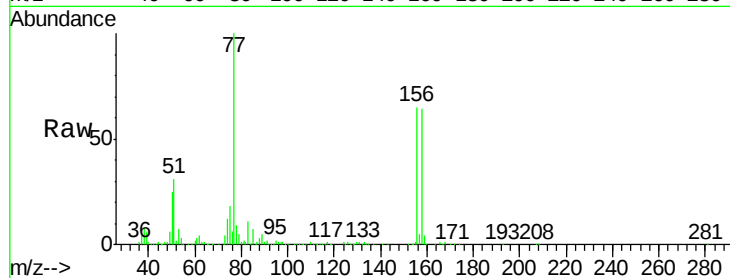
Tot Ion:156 Resp: 428376

Ion Ratio Lower Upper

156 100

77 180.7 90.2 270.6

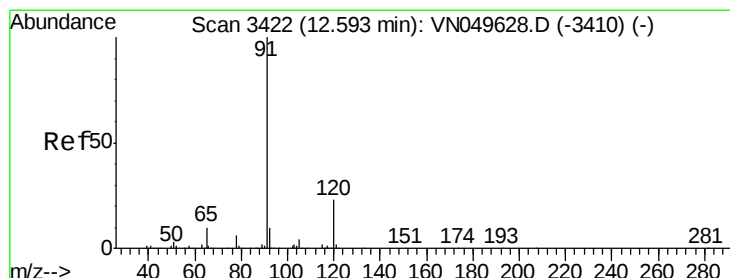
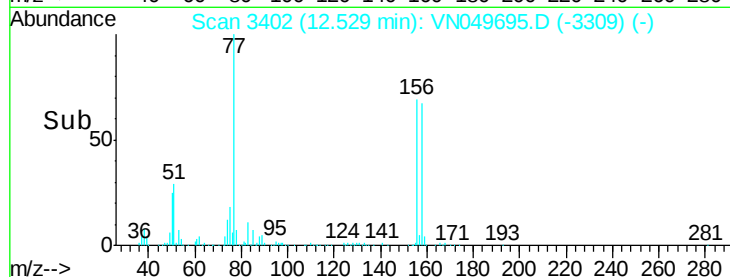
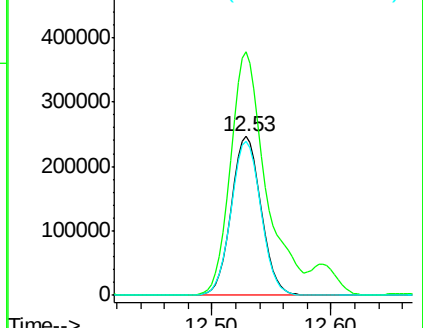
158 97.5 49.1 147.3



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: 22.20 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049695.D

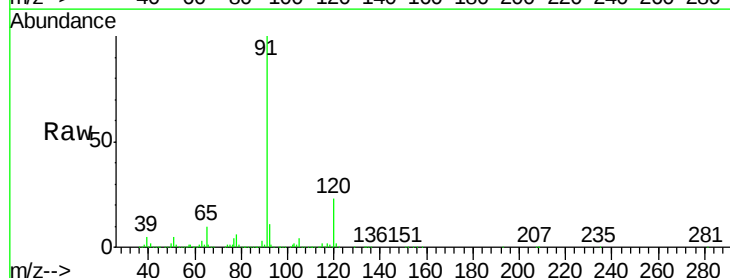
Acq: 3 Jul 2018 15:55

Tgt Ion: 91 Resp: 1936416

Ion Ratio Lower Upper

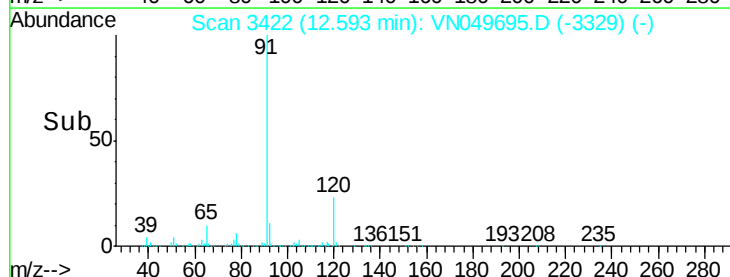
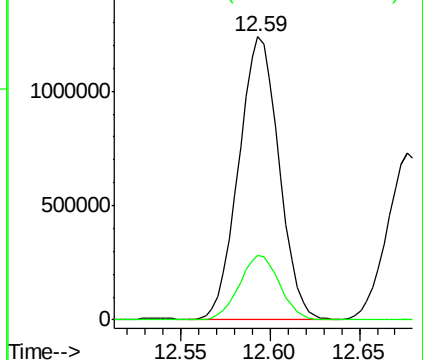
91 100

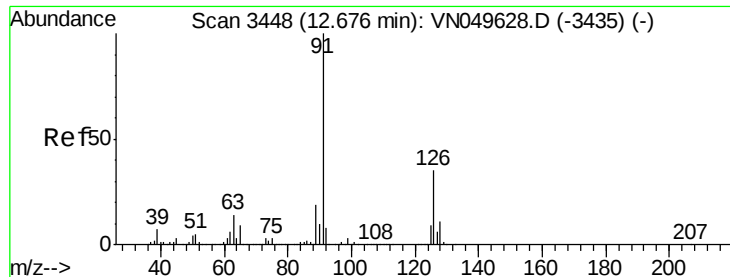
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.68 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

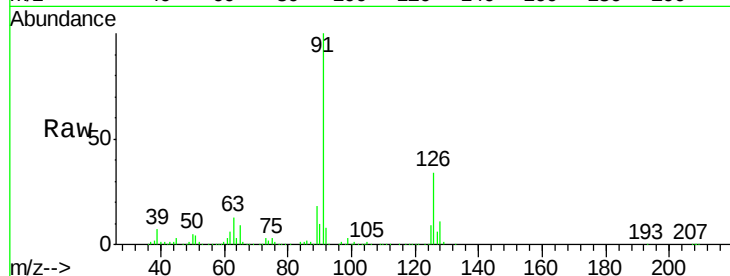
ClientSampleId :

Tot Ion: 91 Resp: 1197018

Ion Ratio Lower Upper

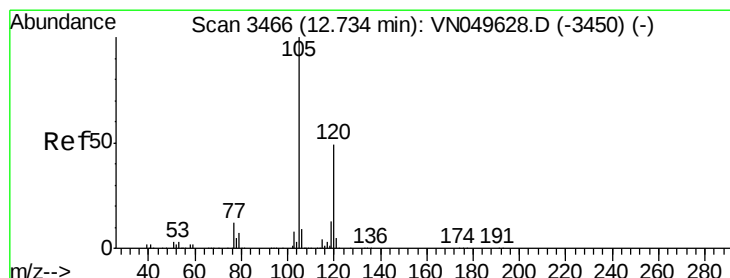
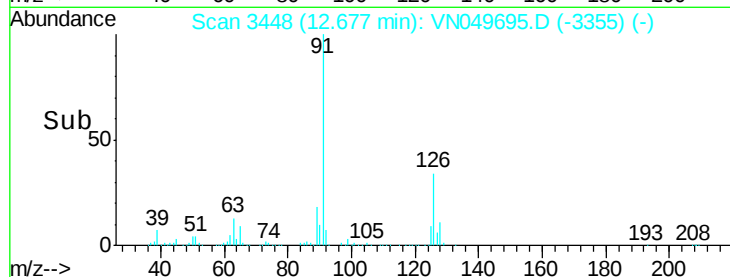
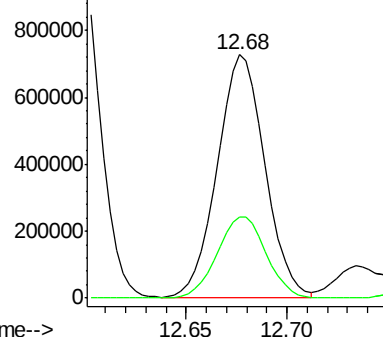
91 100

126 34.6 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: 23.12 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049695.D

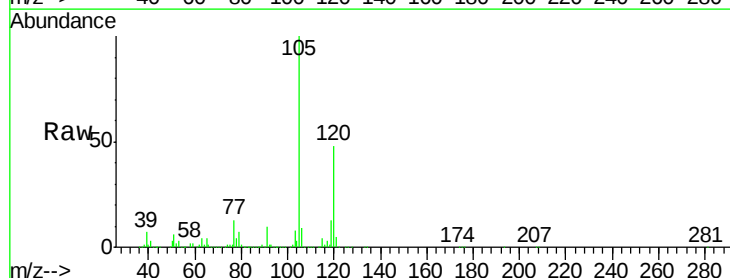
Acq: 3 Jul 2018 15:55

Tgt Ion:105 Resp: 1462246

Ion Ratio Lower Upper

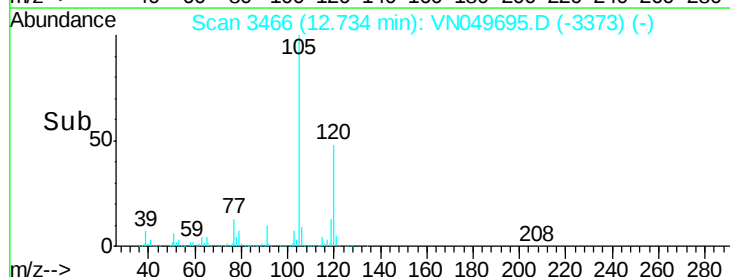
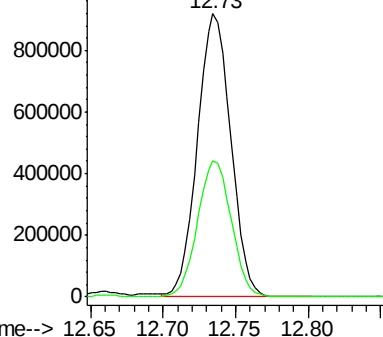
105 100

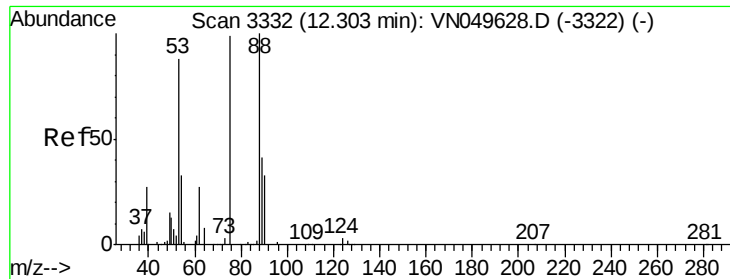
120 48.5 24.3 72.8



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: 9.77 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampleId :

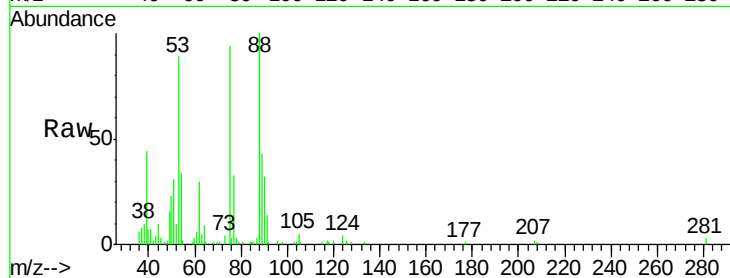
Tot Ion: 75 Resp: 44068

Ion Ratio Lower Upper

75 100

53 95.8 73.9 110.9

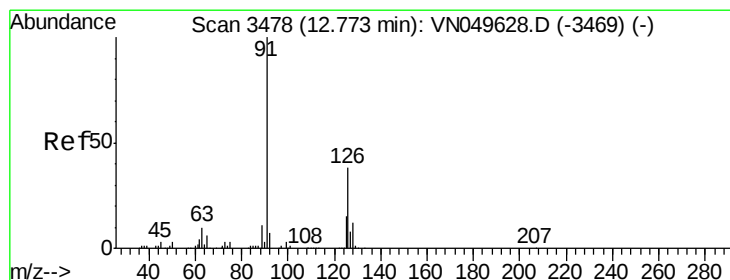
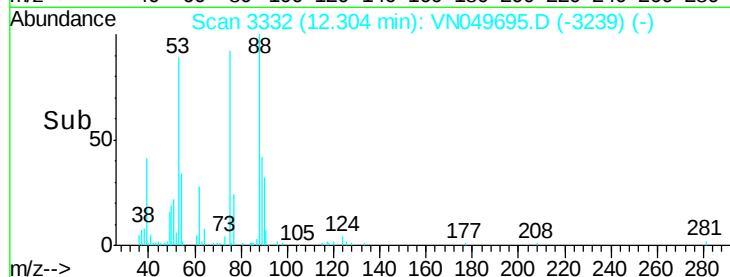
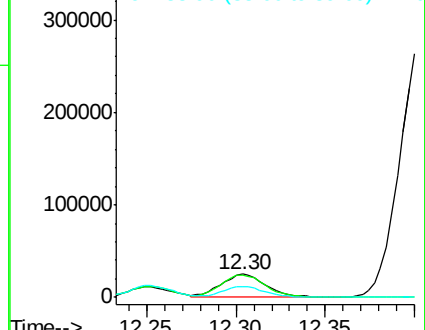
89 44.0 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.48 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049695.D

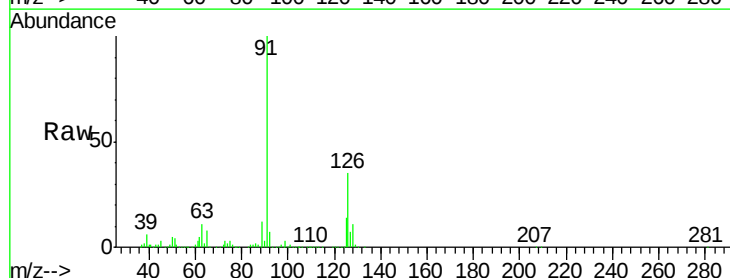
Acq: 3 Jul 2018 15:55

Tgt Ion: 91 Resp: 1192376

Ion Ratio Lower Upper

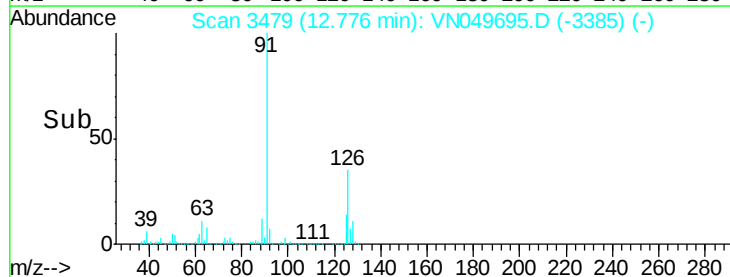
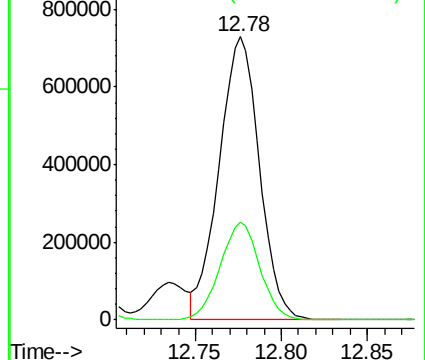
91 100

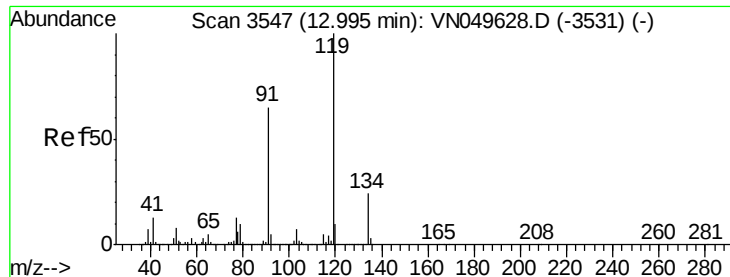
126 34.1 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

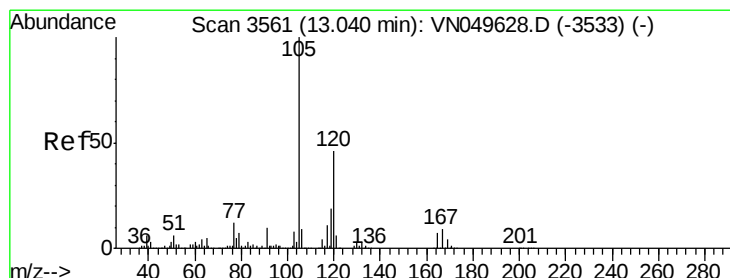
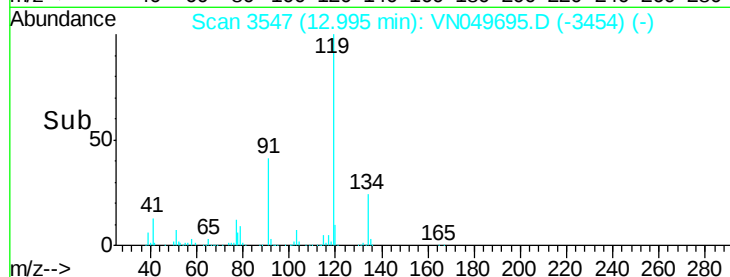
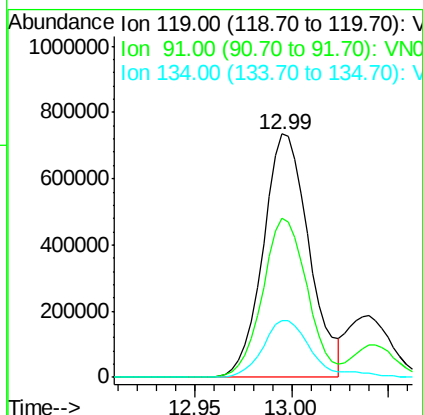
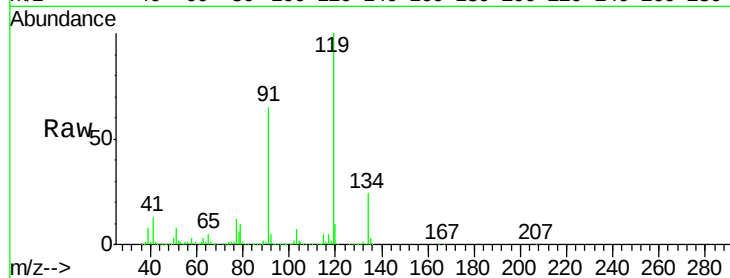




#83
 tert-Butylbenzene
 Concen: 22.28 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

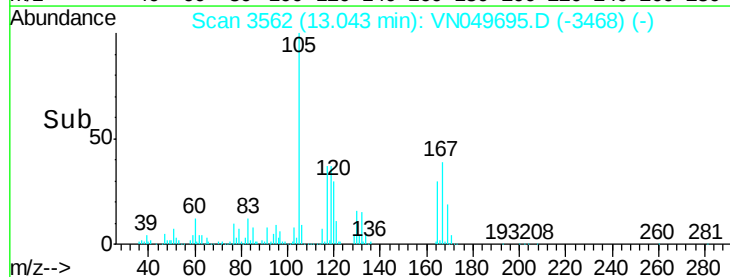
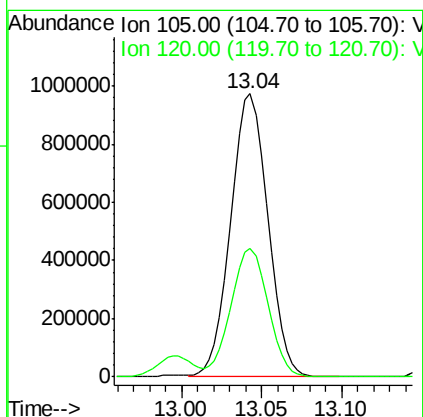
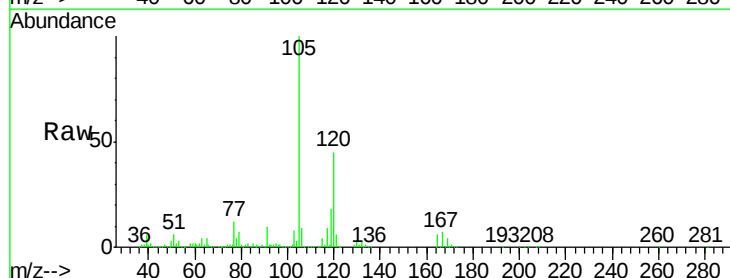
Instrument :
 MSVOA_N
 ClientSampled :

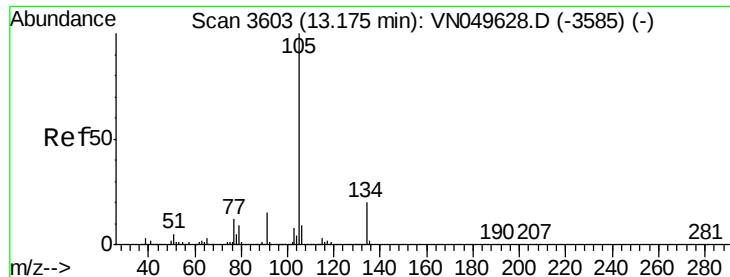
Tot Ion:119 Resp: 1210515
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.0 96.2
 134 25.0 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 23.68 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

Tgt Ion:105 Resp: 1539287
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.7 68.1





#85

sec-Butylbenzene

Concen: 22.56 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

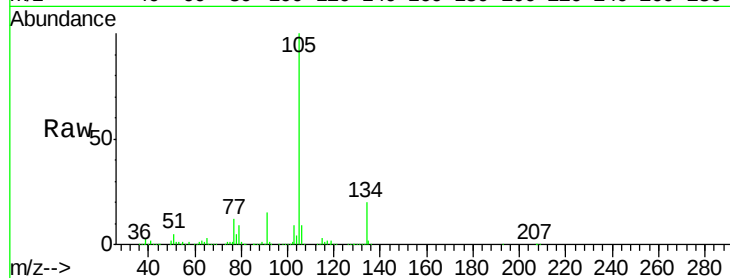
ClientSampled :

Tot Ion:105 Resp: 1624444

Ion Ratio Lower Upper

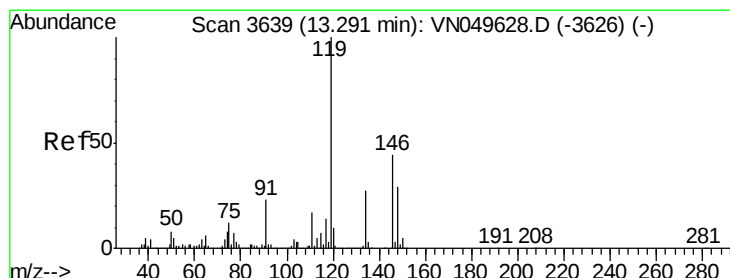
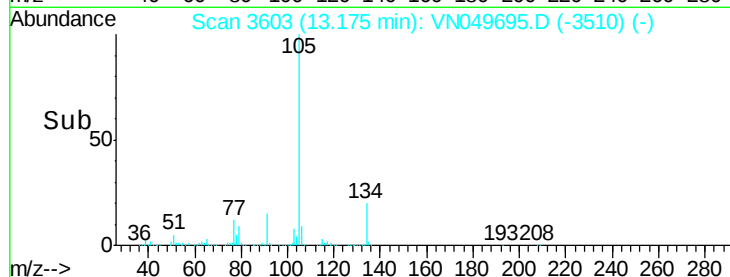
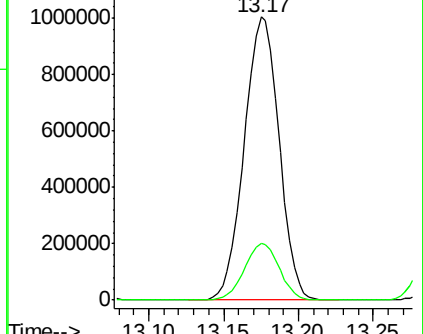
105 100

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: 23.09 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

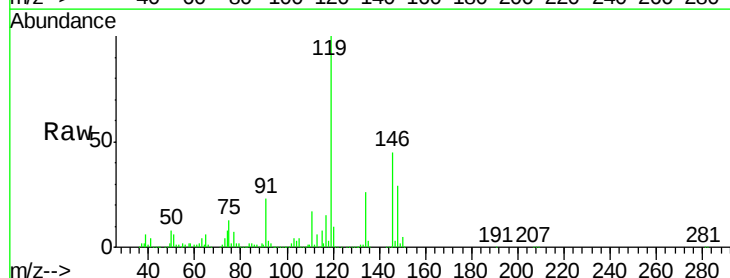
Tgt Ion:119 Resp: 1439743

Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

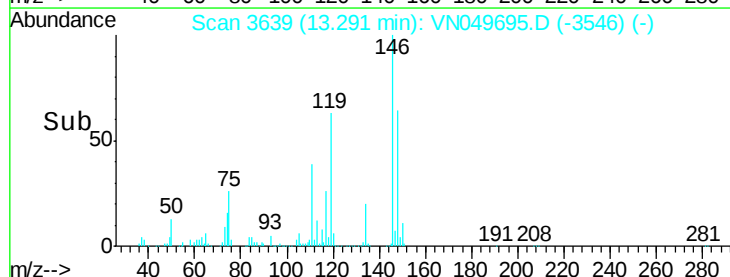
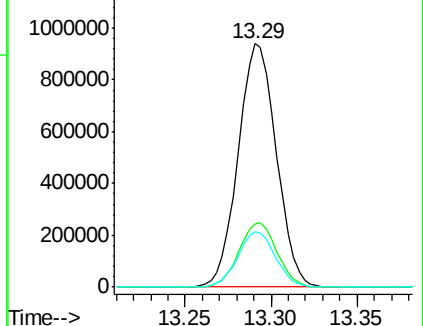
91 22.5 11.4 34.1

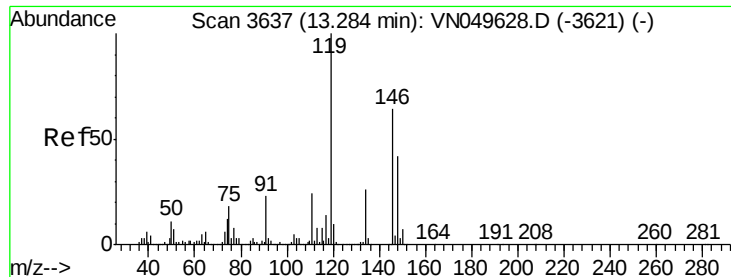


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.72 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampled :

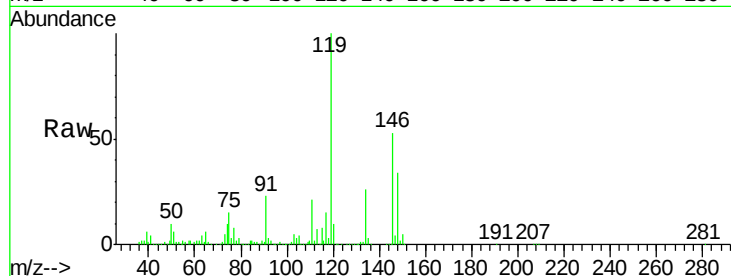
Tot Ion:146 Resp: 772336

Ion Ratio Lower Upper

146 100

111 38.5 19.0 57.0

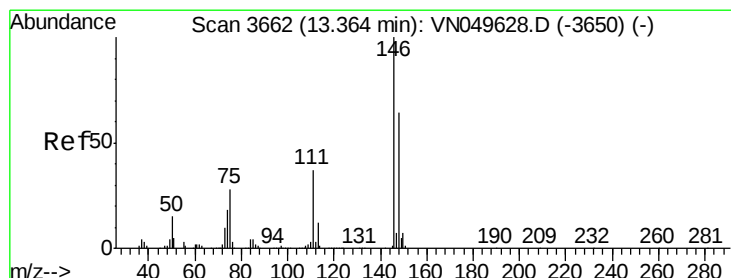
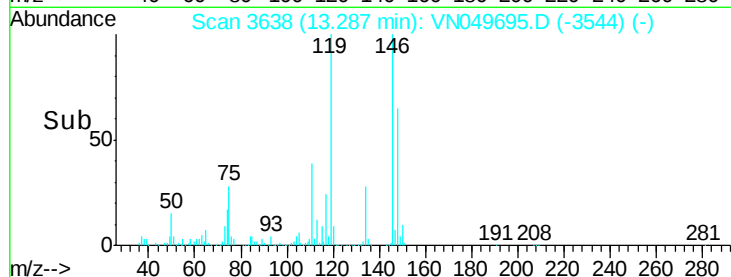
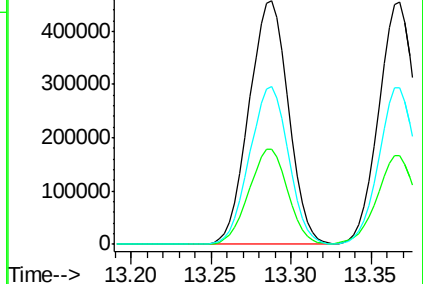
148 64.0 32.5 97.5



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: 21.53 ug/l

RT: 13.37 min Scan# 3663

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

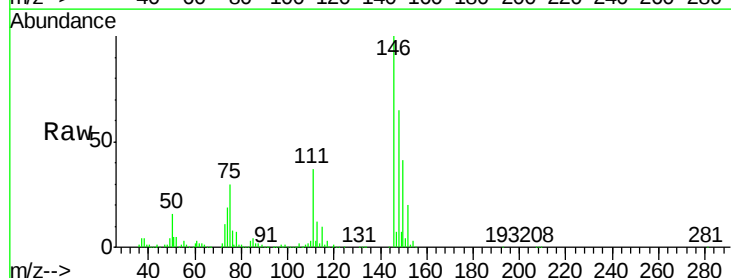
Tgt Ion:146 Resp: 749888

Ion Ratio Lower Upper

146 100

111 37.6 18.9 56.5

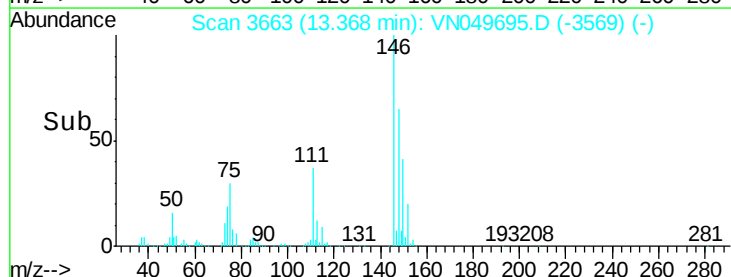
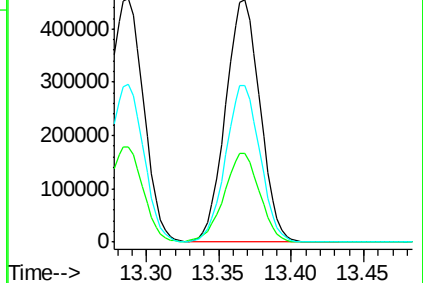
148 64.3 32.1 96.3

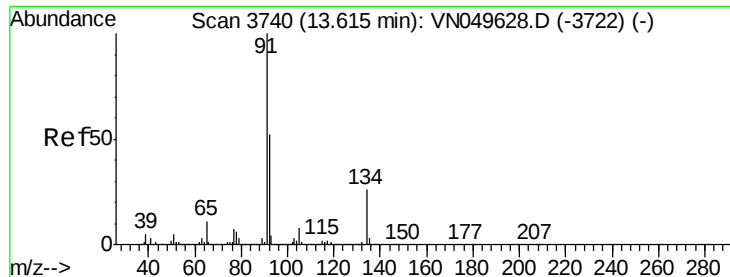


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

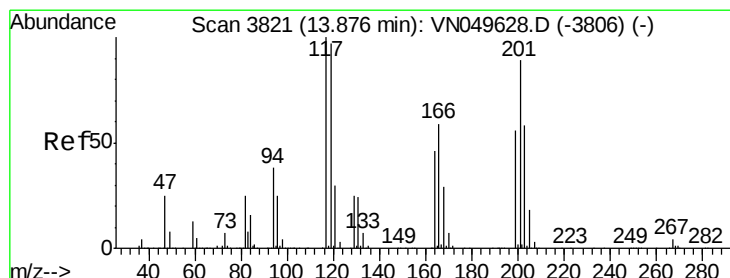
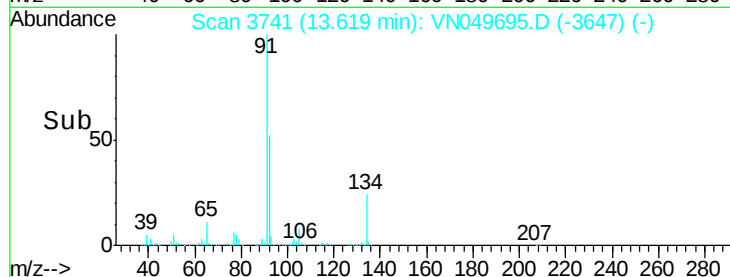
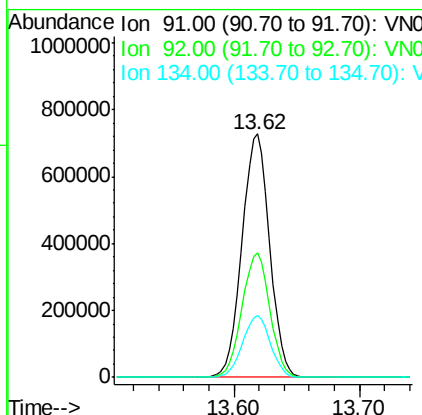
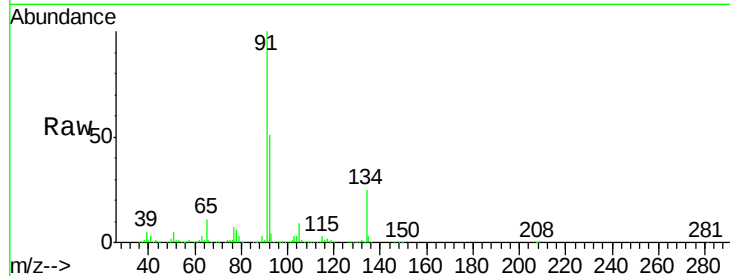




#89
n-Butylbenzene
Concen: 20.83 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

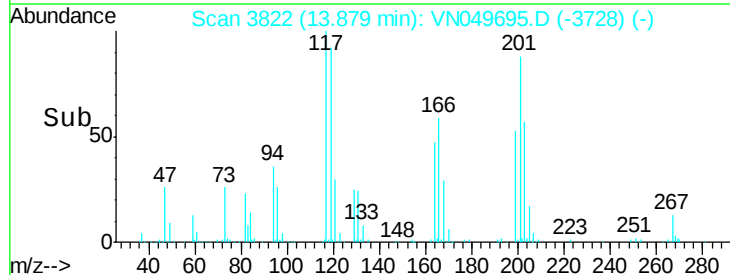
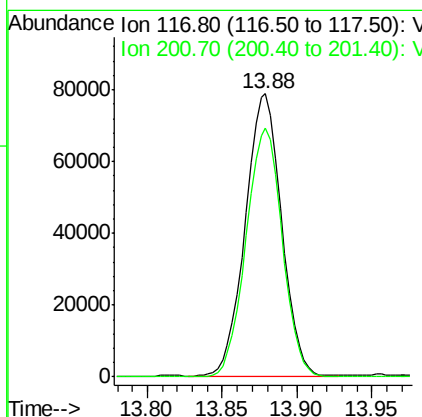
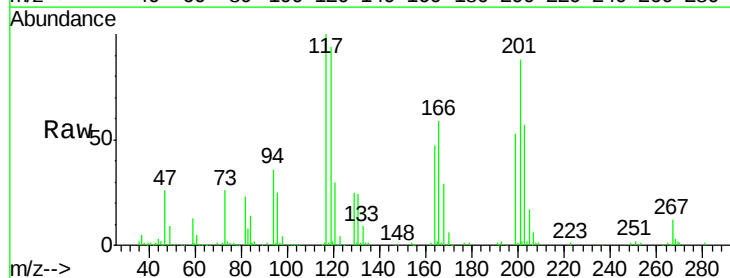
Instrument :
MSVOA_N
ClientSampled :

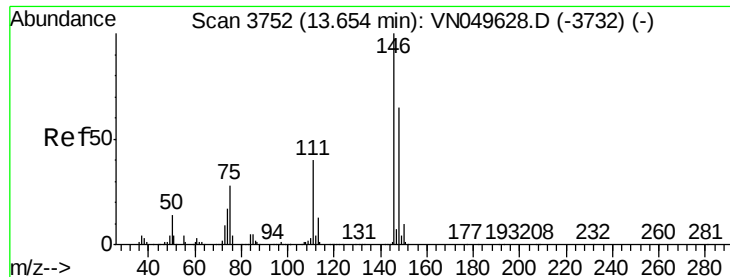
Tot Ion: 91 Resp: 1112286
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.3
134 25.7 13.0 38.9



#90
Hexachloroethane
Concen: 20.22 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN049695.D
Acq: 3 Jul 2018 15:55

Tgt Ion: 117 Resp: 132433
Ion Ratio Lower Upper
117 100
201 87.9 45.3 135.8

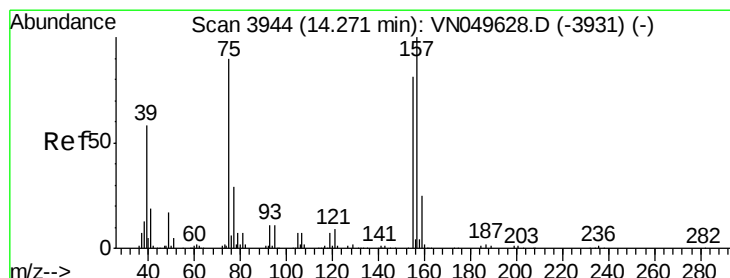
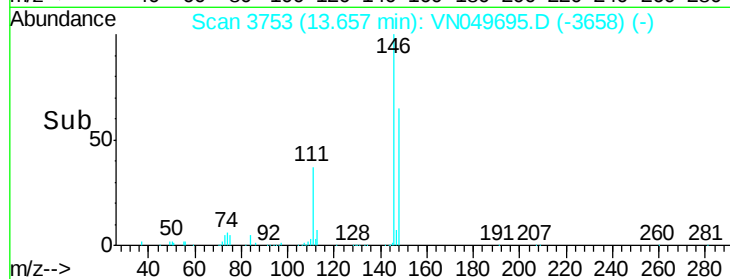
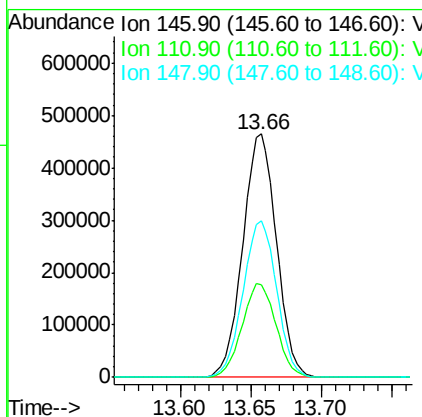
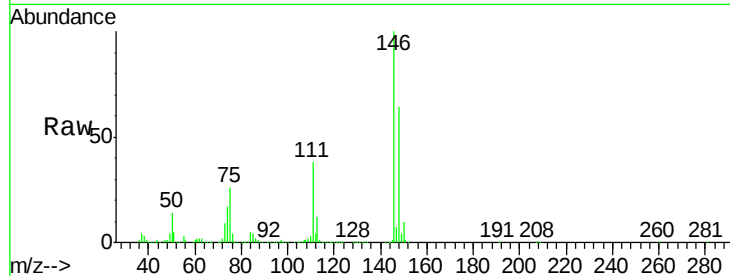




#91
 1,2-Dichlorobenzene
 Concen: 22.50 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

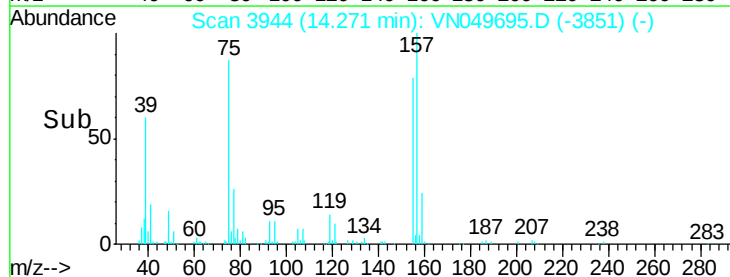
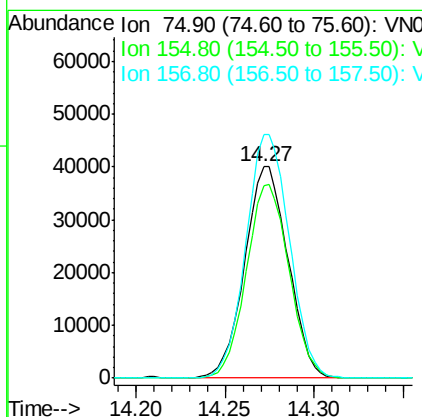
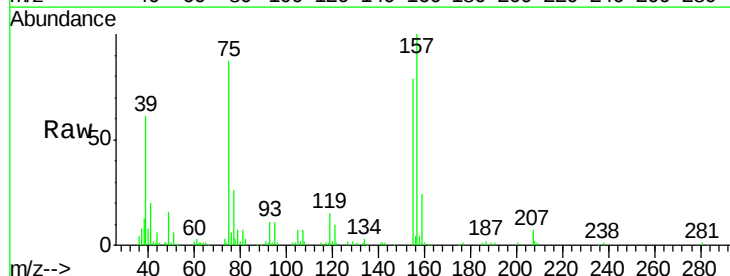
Instrument :
 MSVOA_N
 ClientSampled :

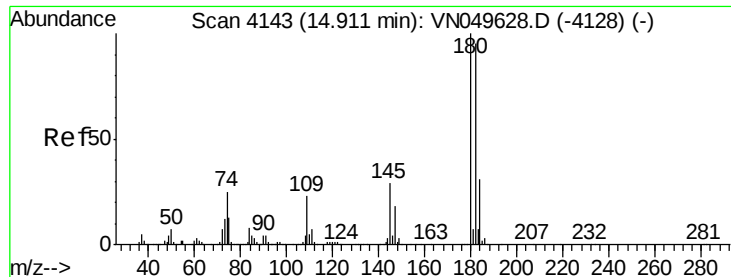
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.1
148	64.3	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.17 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	45.7	137.1
157	115.5	56.9	170.7

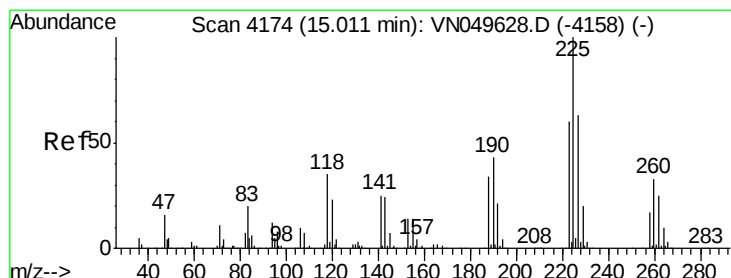
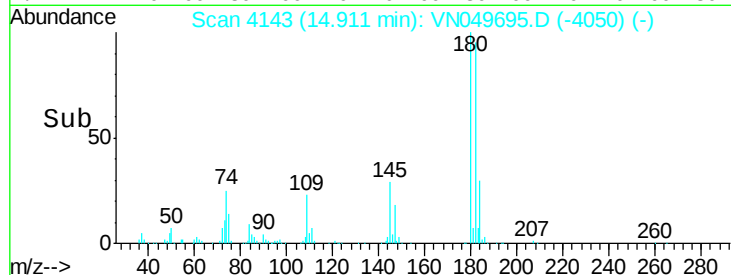
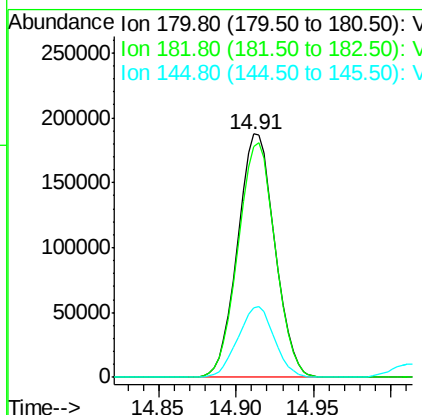
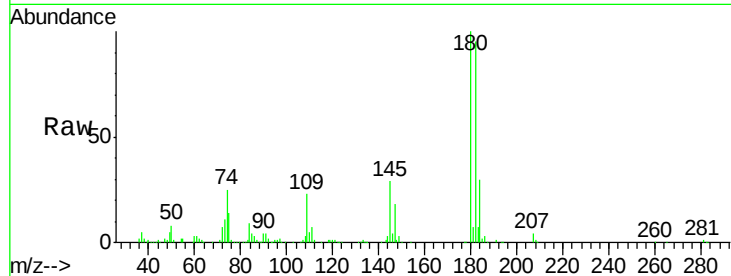




#93
 1,2,4-Trichlorobenzene
 Concen: 19.35 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

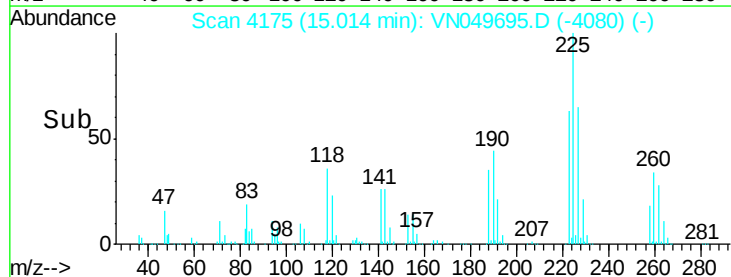
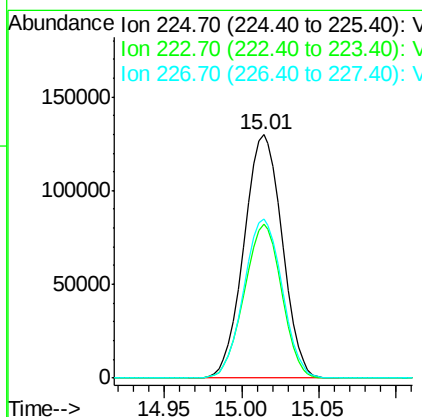
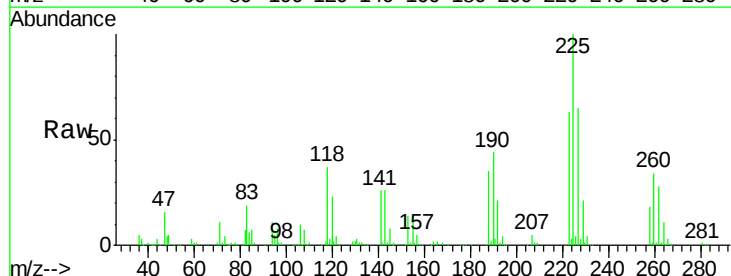
Instrument :
 MSVOA_N
 ClientSampled :

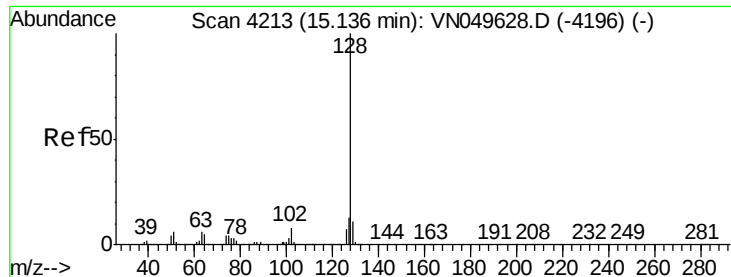
Tot Ion:180 Resp: 313487
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.3 141.9
 145 28.7 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 20.69 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049695.D
 Acq: 3 Jul 2018 15:55

Tgt Ion:225 Resp: 223302
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.9 92.7
 227 65.7 31.8 95.4





#95

Naphthalene

Concen: 20.79 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

Instrument :

MSVOA_N

ClientSampled :

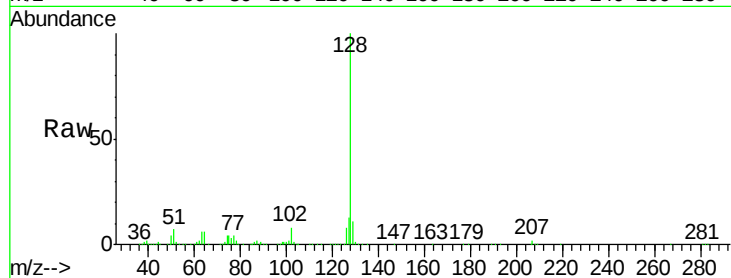
Tot Ion:128 Resp: 707168

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

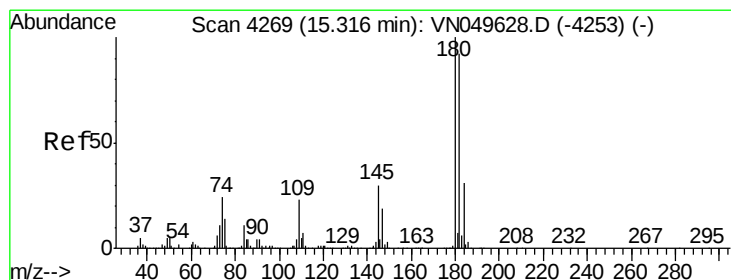
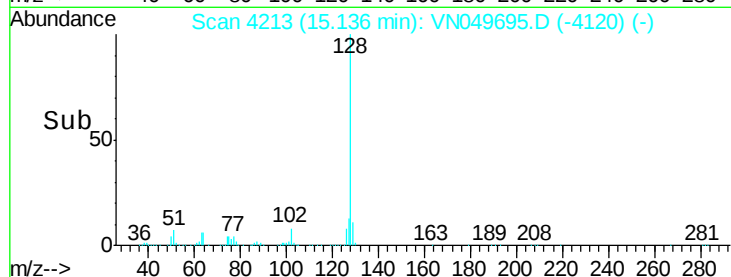
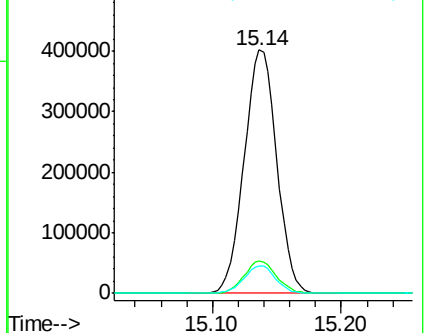
129 11.1 8.6 13.0



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: 20.96 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049695.D

Acq: 3 Jul 2018 15:55

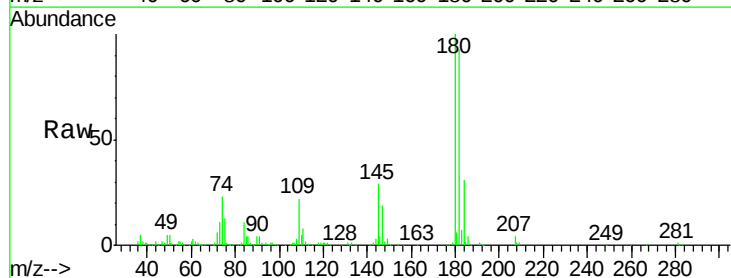
Tgt Ion:180 Resp: 333935

Ion Ratio Lower Upper

180 100

182 94.9 47.4 142.2

145 29.7 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

