

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052219\
 Data File : VN055730.D
 Acq On : 22 May 2019 20:42
 Operator : JC/SP
 Sample : K3009-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 55-ST-14

Quant Time: May 23 06:03:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55248	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303694	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	244402	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	111228	30.80	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.67%
60) 4-Bromofluorobenzene	12.40	95	96744	25.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	84.83%
63) Toluene-d8	10.09	98	356666	31.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.43%

Target Compounds

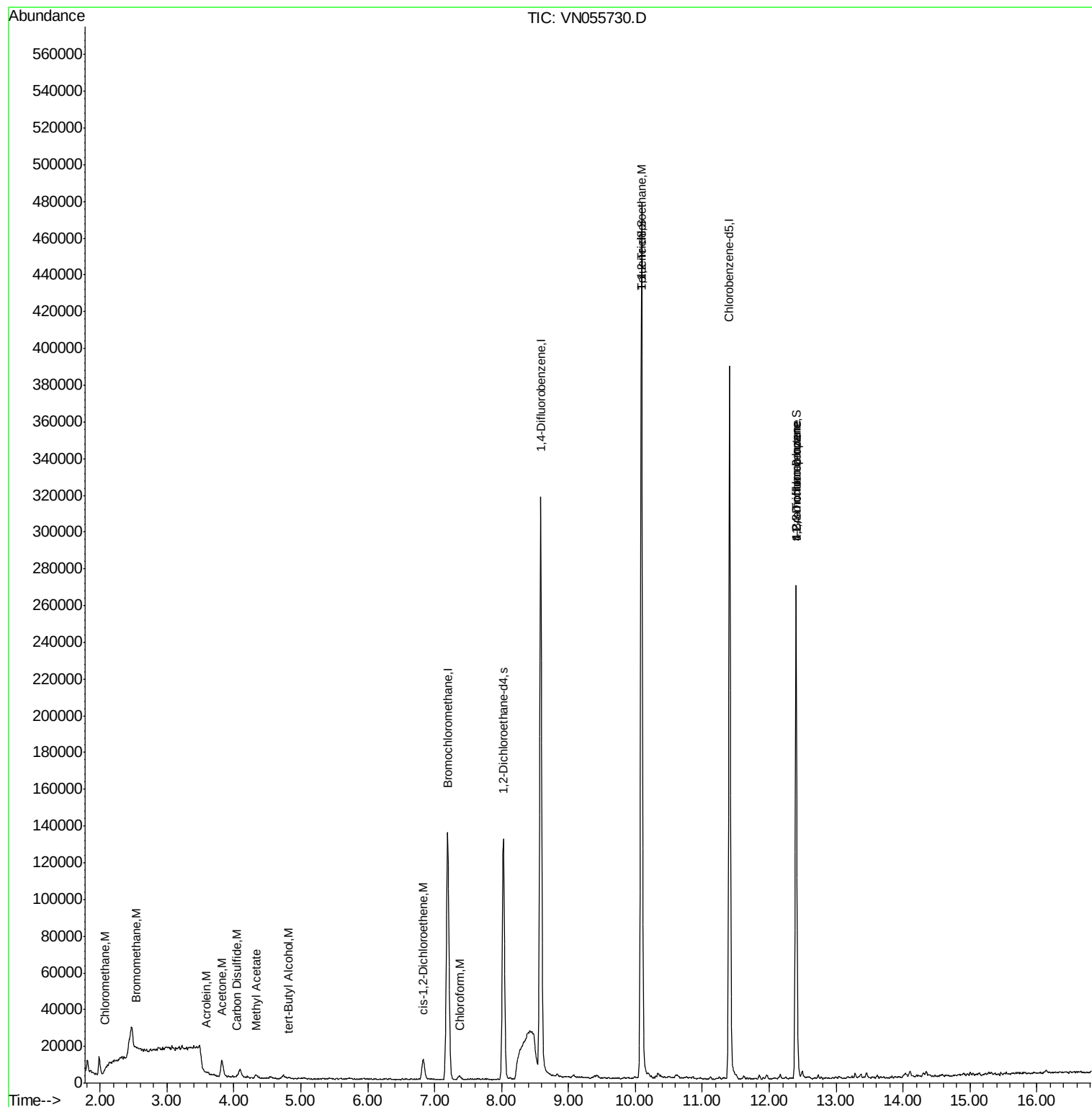
					Ovalue
3) Chloromethane	2.06	50	699	0.203 ug/l	93
5) Bromomethane	2.55	94	846	0.411 ug/l #	45
12) Methyl Acetate	4.33	43	2760	0.774 ug/l #	80
13) Acrolein	3.59	56	247	0.498 ug/l	86
15) Acetone	3.82	58	4865	9.634 ug/l	98
16) Carbon Disulfide	4.04	76	1770	0.212 ug/l #	75
22) cis-1,2-Dichloroethene	6.83	96	7108	1.943 ug/l	88
23) tert-Butyl Alcohol	4.81	59	188	0.263 ug/l #	100
25) Chloroform	7.38	83	3221	0.566 ug/l	94
50) 1,1,2-Trichloroethane	10.10	97	10580	3.190 ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	45111	12.058 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	45111	30.357 ug/l #	17

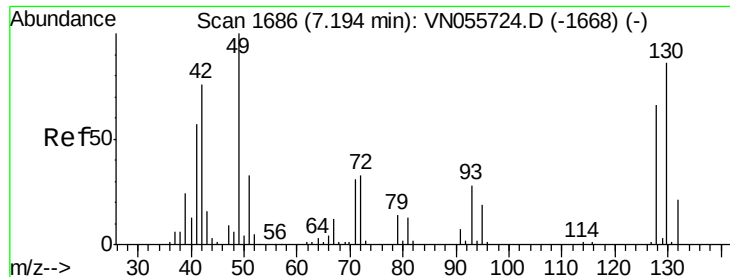
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052219\
Data File : VN055730.D
Acq On : 22 May 2019 20:42
Operator : JC/SP
Sample : K3009-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :
55-ST-14

Quant Time: May 23 06:03:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

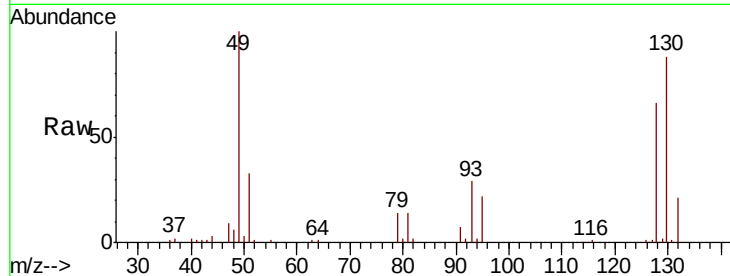




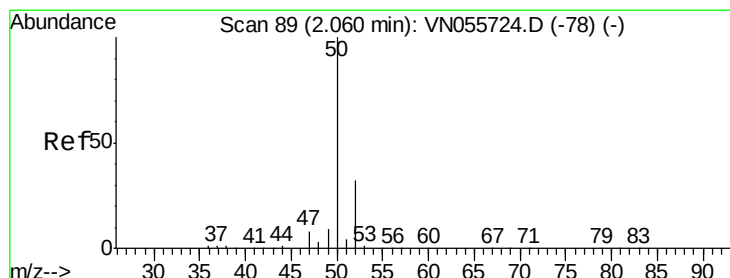
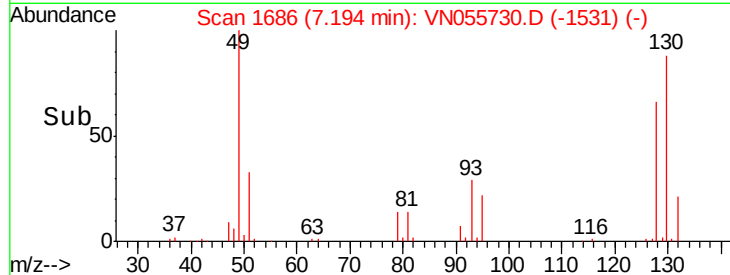
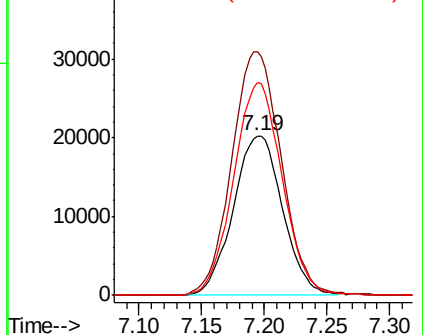
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN055730.D
Acq: 22 May 2019 20:42

Instrument :
MSVOA_N
ClientSampled :
55-ST-14

Tot Ion:128 Resp: 55248
Ion Ratio Lower Upper
128 100
49 153.9 0.0 383.2
130 131.8 0.0 326.3

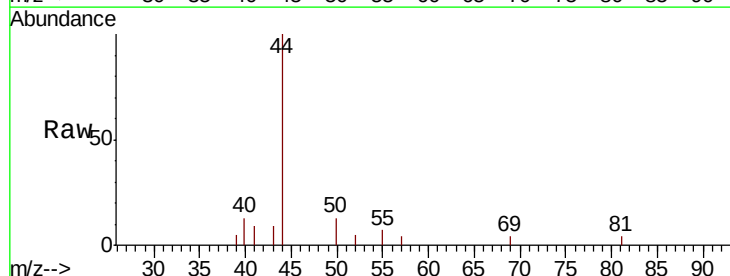


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

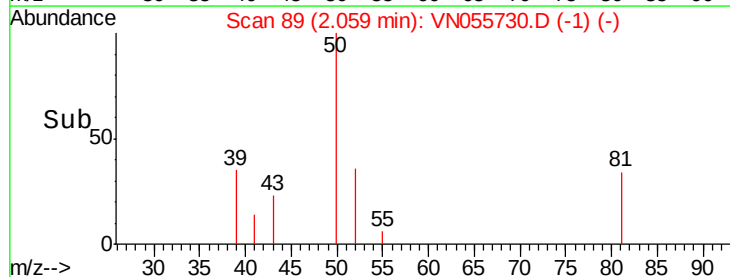
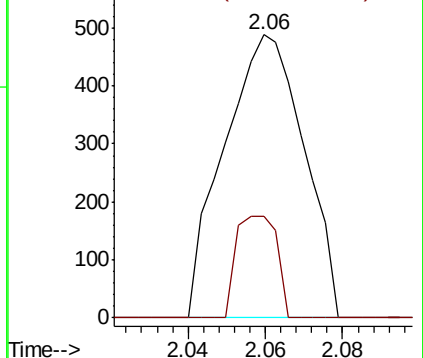


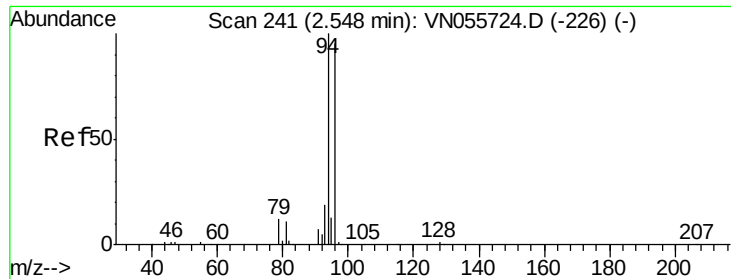
#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN055730.D
Acq: 22 May 2019 20:42

Tgt Ion: 50 Resp: 699
Ion Ratio Lower Upper
50 100
52 35.9 25.4 38.2



Abundance Ion 50.00 (49.70 to 50.70): VN
Ion 52.00 (51.70 to 52.70): VN





#5

Bromomethane

Concen: 0.411 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN055730.D

Acq: 22 May 2019 20:42

Instrument :

MSVOA_N

ClientSampled :

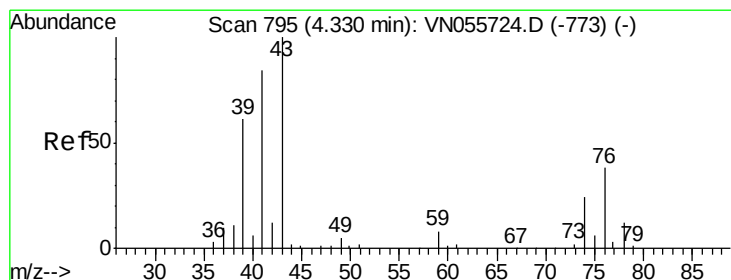
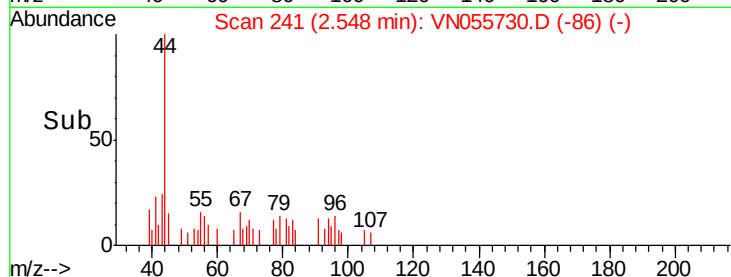
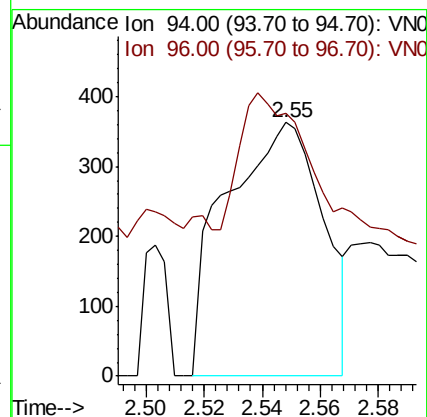
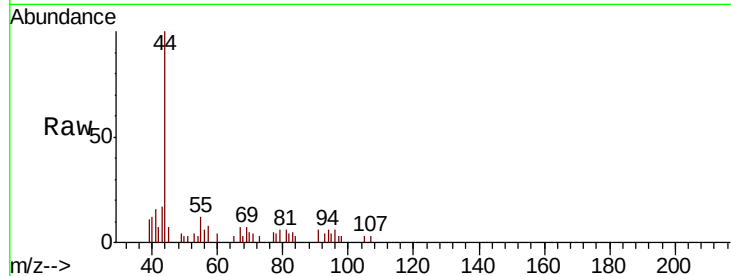
55-ST-14

Tot Ion: 94 Resp: 846

Ion Ratio Lower Upper

94 100

96 41.0 75.8 113.8#



#12

Methyl Acetate

Concen: 0.774 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055730.D

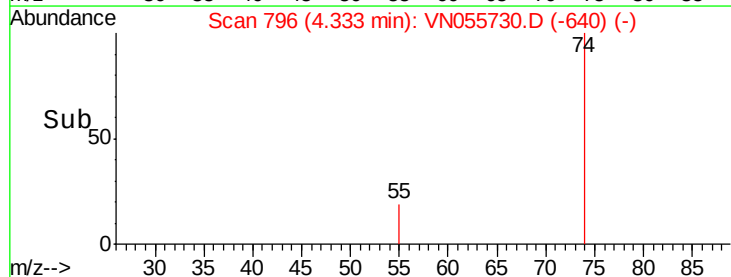
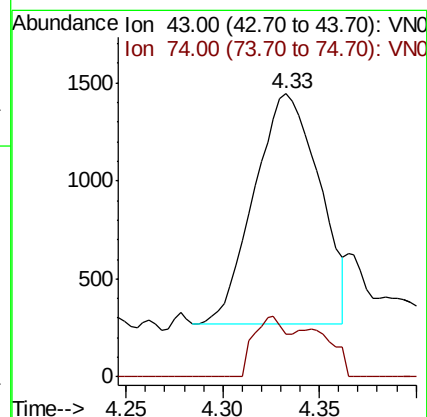
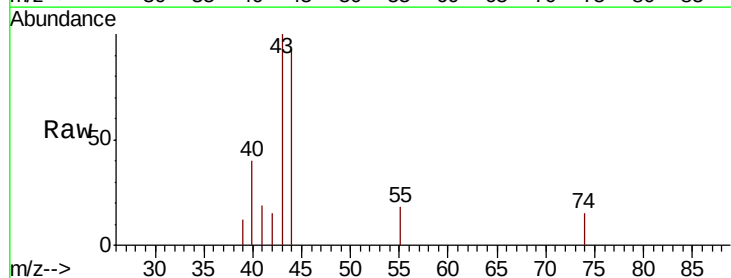
Acq: 22 May 2019 20:42

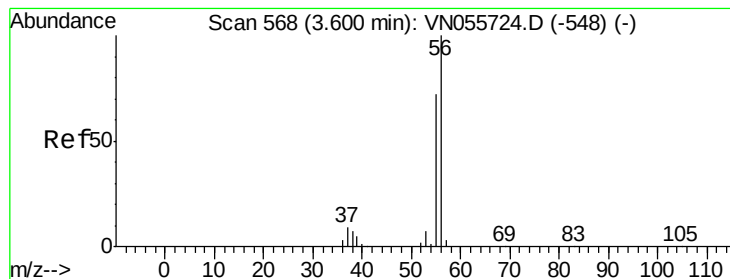
Tgt Ion: 43 Resp: 2760

Ion Ratio Lower Upper

43 100

74 14.3 19.2 28.8#





#13

Acrolein

Concen: 0.498 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN055730.D

Acq: 22 May 2019 20:42

Instrument :

MSVOA_N

ClientSampled :

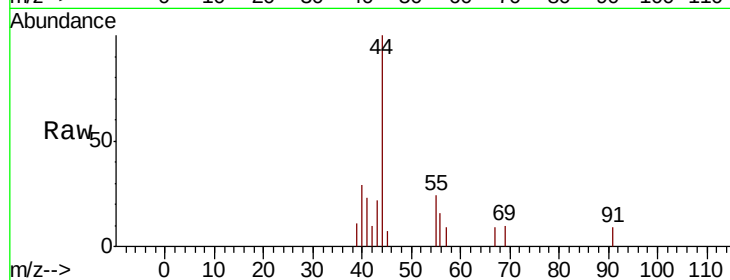
55-ST-14

Tot Ion: 56 Resp: 247

Ion Ratio Lower Upper

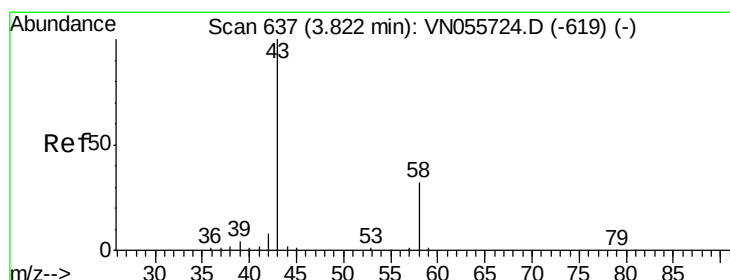
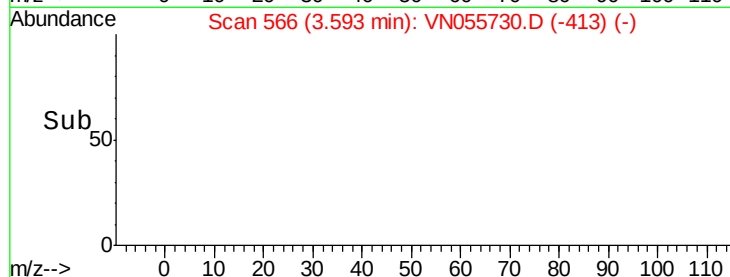
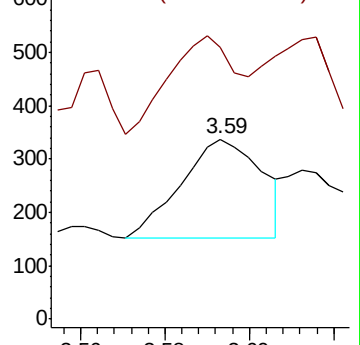
56 100

55 83.0 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acetone

Concen: 9.634 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055730.D

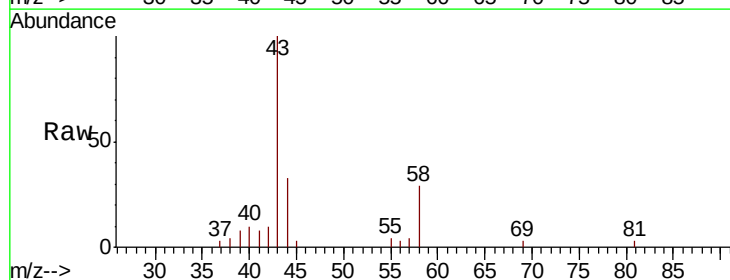
Acq: 22 May 2019 20:42

Tgt Ion: 58 Resp: 4865

Ion Ratio Lower Upper

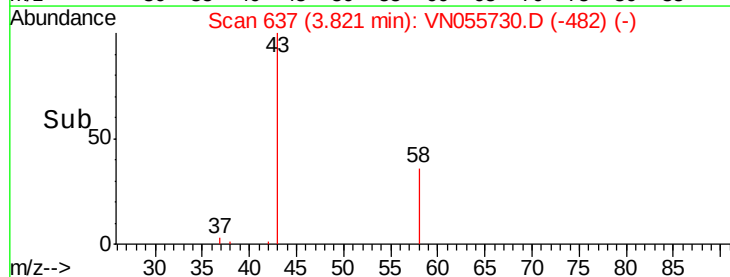
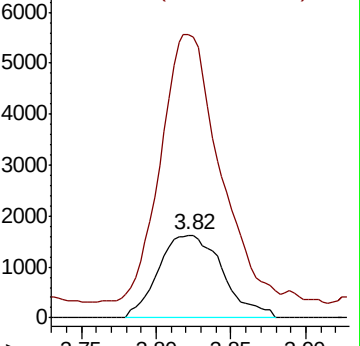
58 100

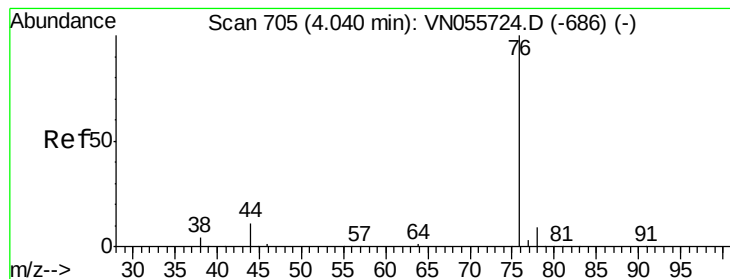
43 314.4 248.8 373.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#16

Carbon Disulfide

Concen: 0.212 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN055730.D

Acq: 22 May 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

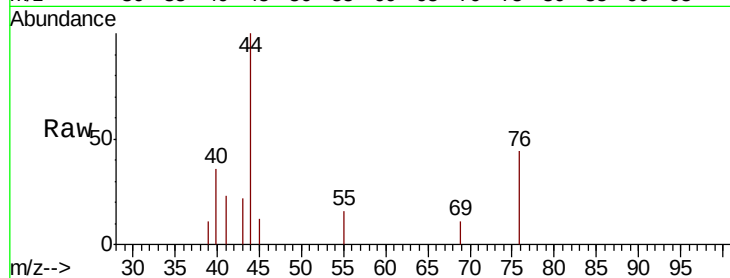
55-ST-14

Tot Ion: 76 Resp: 1770

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

4.04

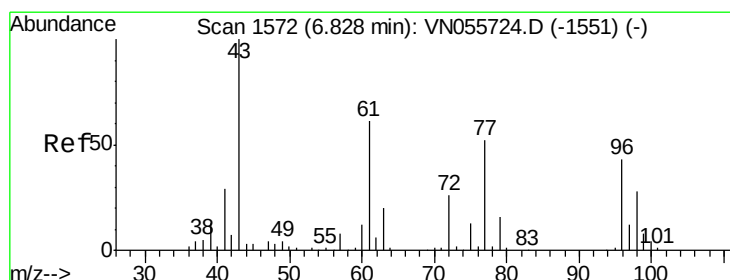
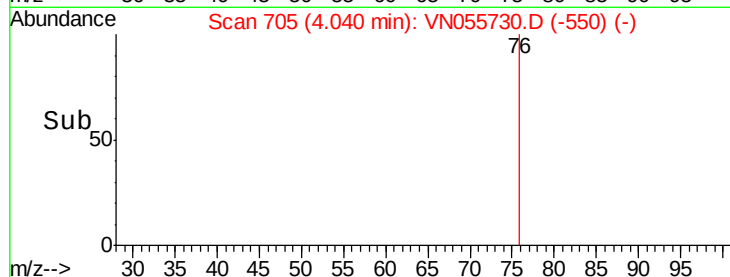
600

400

200

0

Time-->



#22

cis-1,2-Dichloroethene

Concen: 1.943 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055730.D

Acq: 22 May 2019 20:42

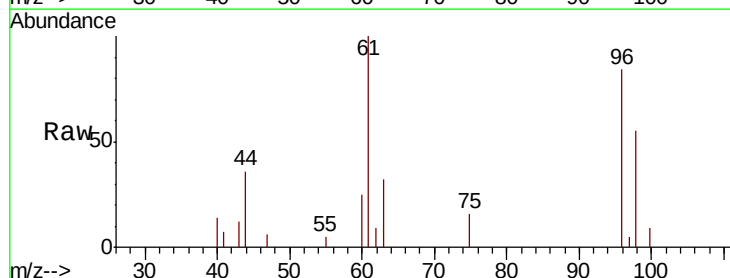
Tgt Ion: 96 Resp: 7108

Ion Ratio Lower Upper

96 100

61 126.8 115.7 173.5

98 70.3 51.5 77.3



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

4000

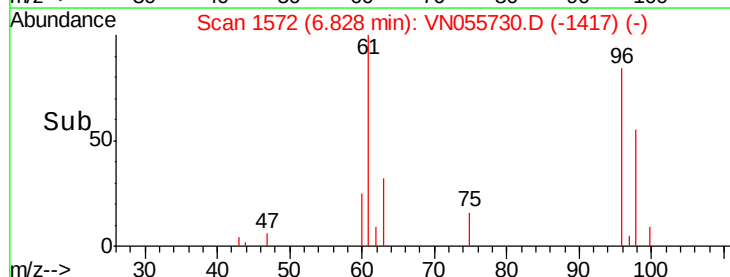
3000

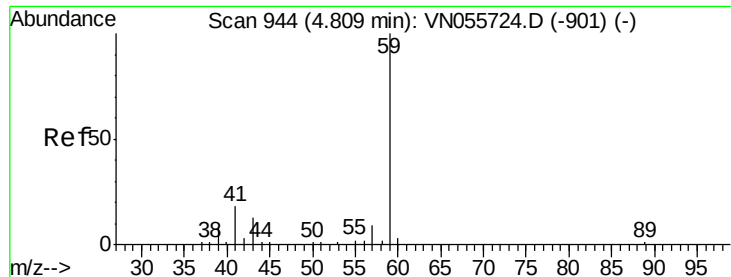
2000

1000

0

Time-->





#23

tert-Butyl Alcohol

Concen: 0.263 ug/l

RT: 4.81 min Scan# 944

Delta R.T. -0.00 min

Lab File: VN055730.D

Acq: 22 May 2019 20:42

Instrument :

MSVOA_N

ClientSampled :

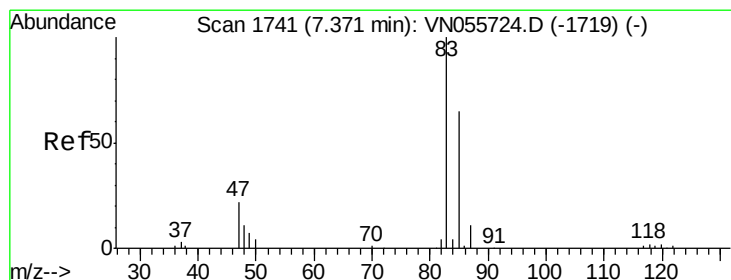
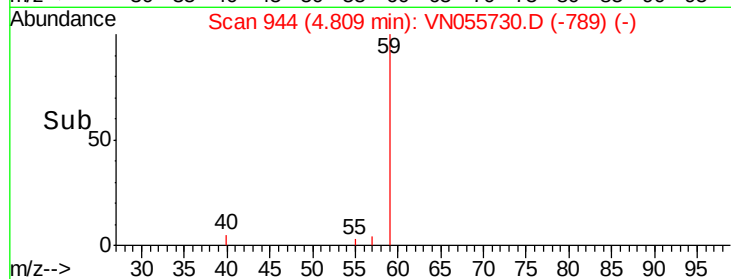
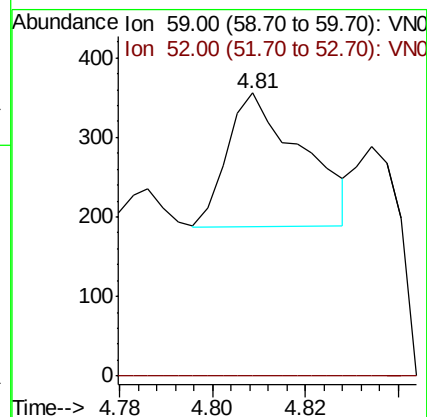
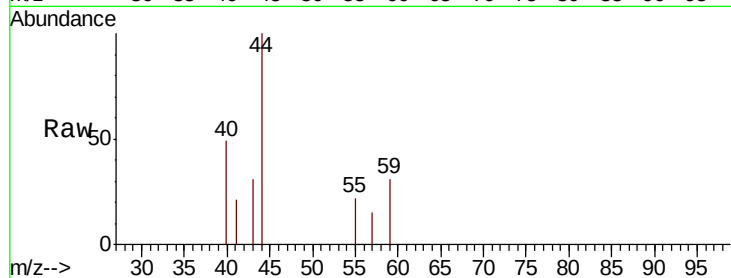
55-ST-14

Tot Ion: 59 Resp: 188

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 0.566 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VN055730.D

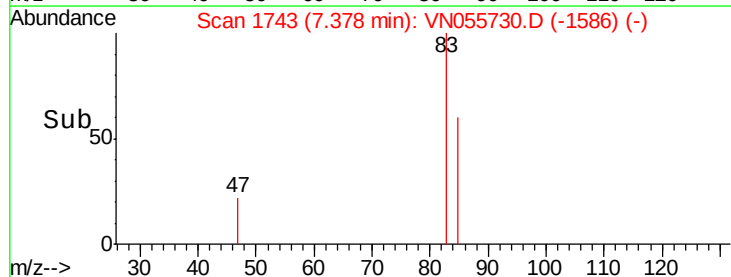
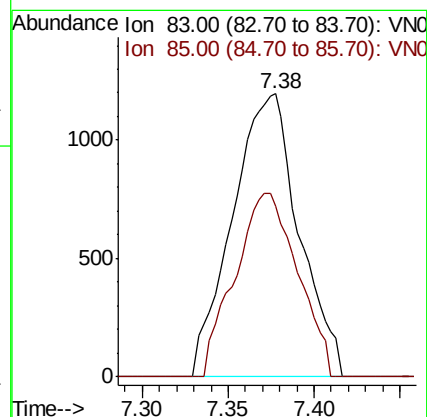
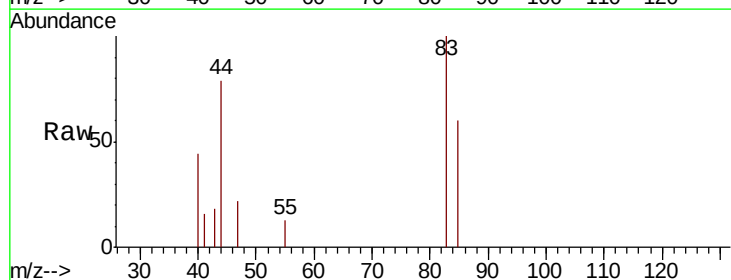
Acq: 22 May 2019 20:42

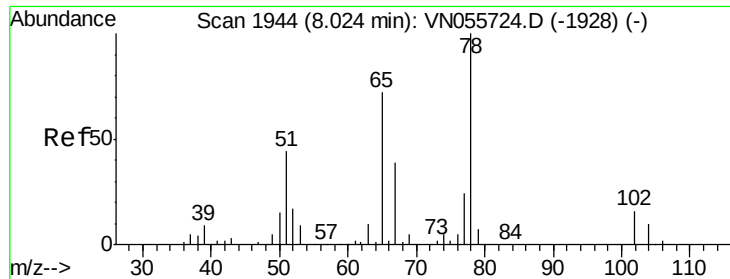
Tgt Ion: 83 Resp: 3221

Ion Ratio Lower Upper

83 100

85 60.2 51.7 77.5

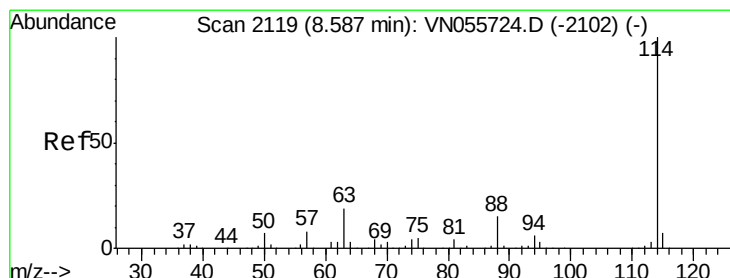
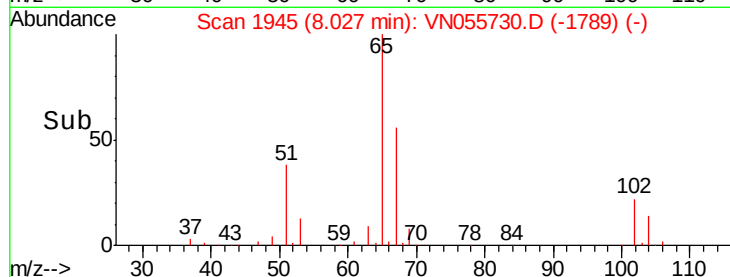
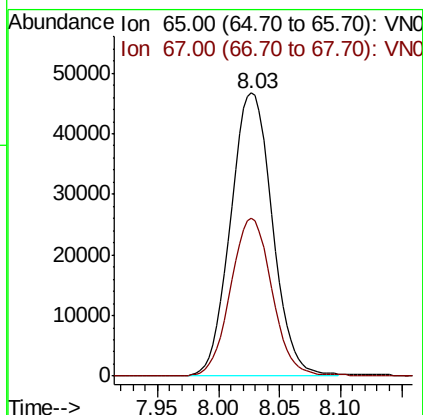
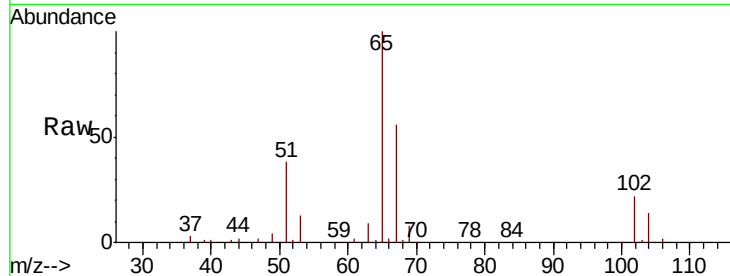




#27
 1,2-Dichloroethane-d4
 Concen: 30.801 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055730.D
 Acq: 22 May 2019 20:42

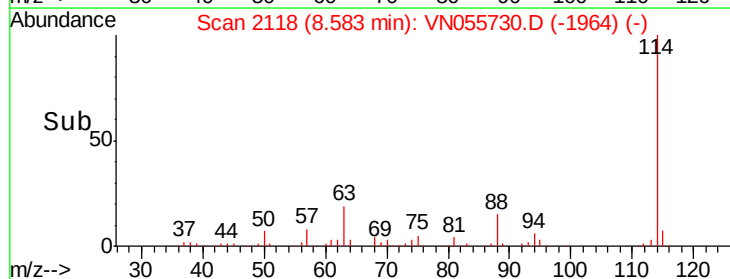
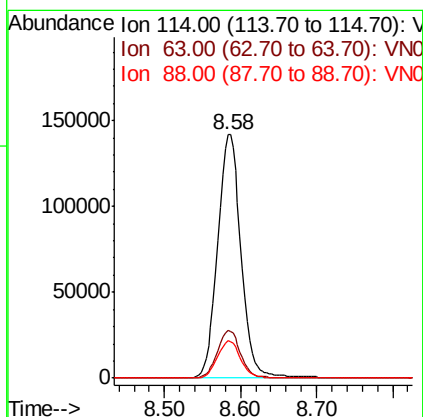
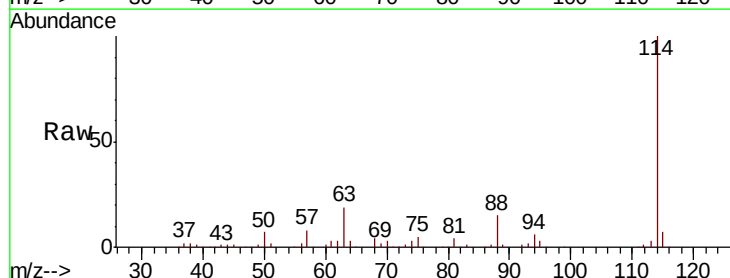
Instrument :
 MSVOA_N
 ClientSampled :
 55-ST-14

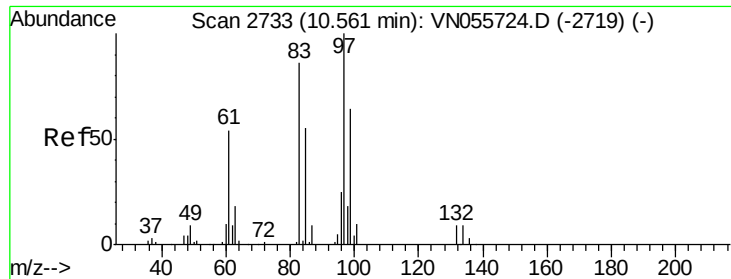
Tot Ion: 65 Resp: 111228
 Ion Ratio Lower Upper
 65 100
 67 54.8 43.5 65.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055730.D
 Acq: 22 May 2019 20:42

Tgt Ion: 114 Resp: 303694
 Ion Ratio Lower Upper
 114 100
 63 19.3 15.6 23.4
 88 15.1 12.3 18.5

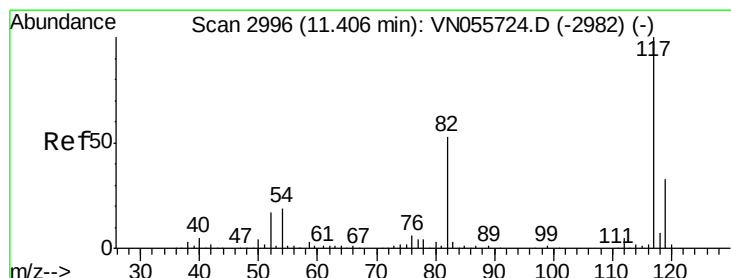
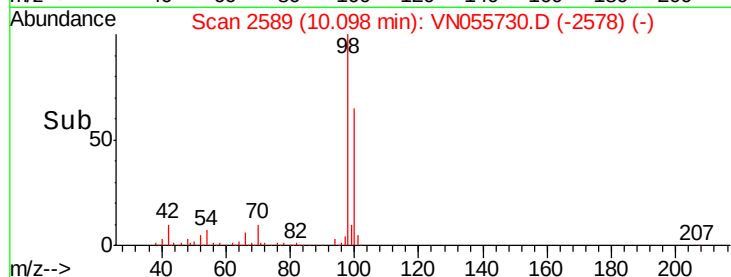
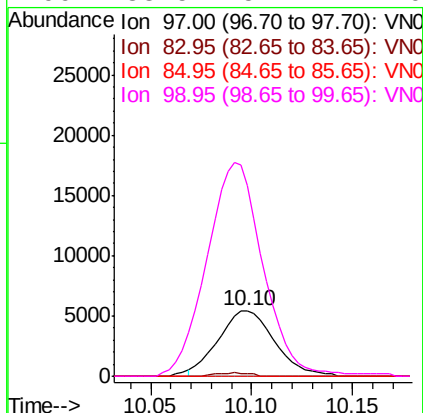
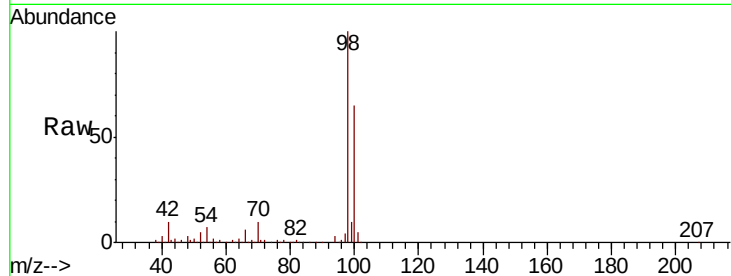




#50
 1,1,2-Trichloroethane
 Concen: 3.190 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.46 min
 Lab File: VN055730.D
 Acq: 22 May 2019 20:42

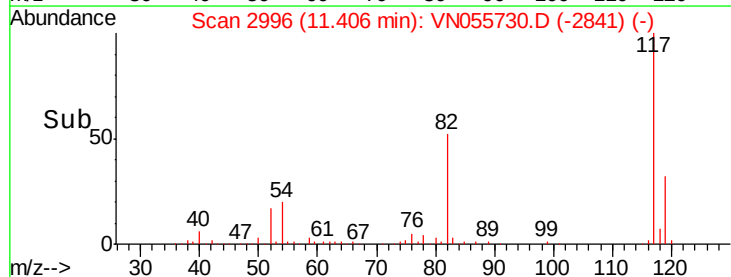
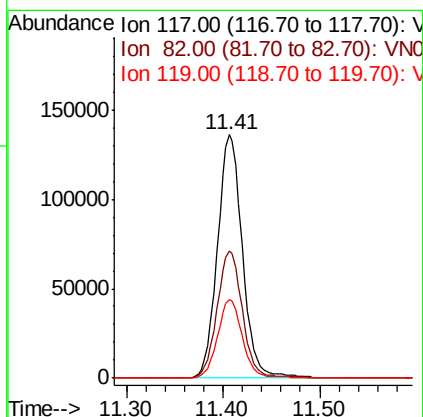
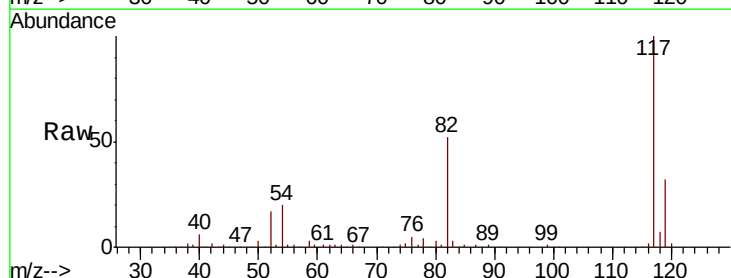
Instrument :
 MSVOA_N
 ClientSampled :
 55-ST-14

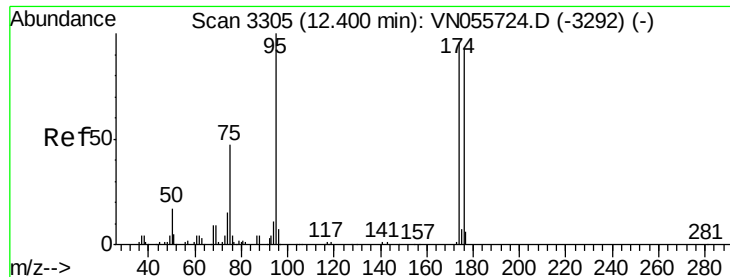
Tot Ion	97	Resp	10580
Ion Ratio	Lower	Upper	
97	100		
83	4.0	68.9	103.3#
85	0.0	44.3	66.5#
99	283.5	51.4	77.0#



#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN055730.D
 Acq: 22 May 2019 20:42

Tgt Ion	117	Resp	244402
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.6	64.0
119	32.1	25.9	38.9





#60

4-Bromofluorobenzene

Concen: 25.446 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055730.D

Acq: 22 May 2019 20:42

Instrument :

MSVOA_N

ClientSampleId :

55-ST-14

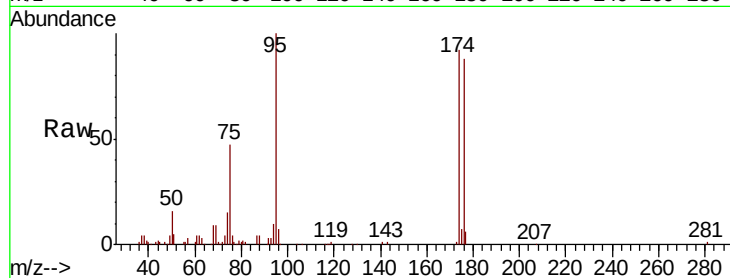
Tot Ion: 95 Resp: 96744

Ion Ratio Lower Upper

95 100

174 90.2 75.7 113.5

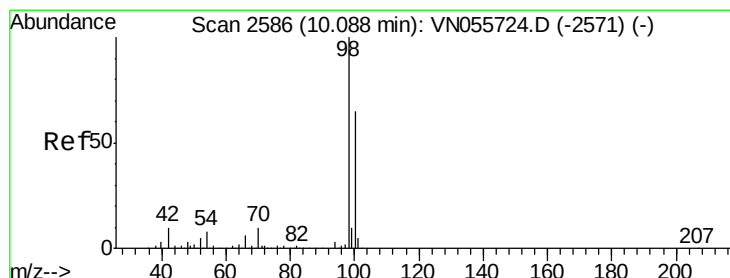
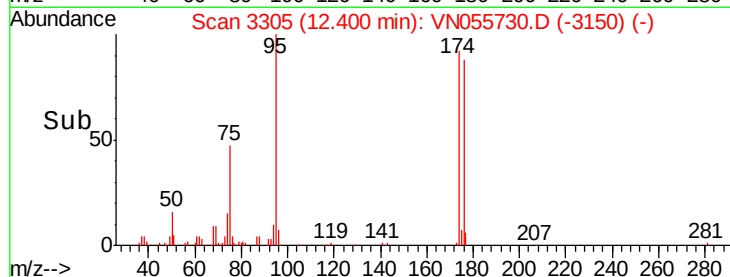
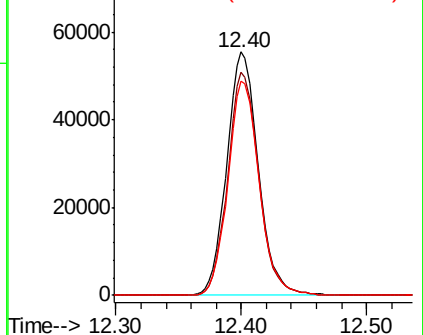
176 87.3 74.1 111.1



Abundance Ion 95.00 (94.70 to 95.70): VN055724.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN055724.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN055724.D (-3292) (-)



#63

Toluene-d8

Concen: 31.934 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055730.D

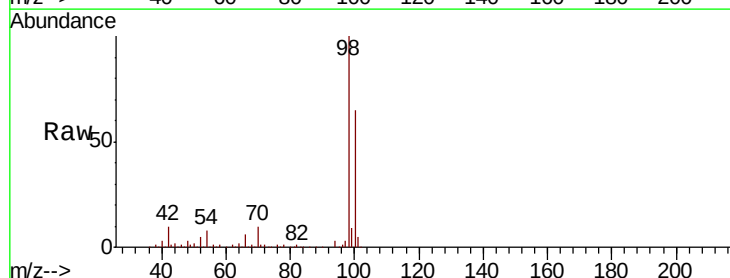
Acq: 22 May 2019 20:42

Tgt Ion: 98 Resp: 356666

Ion Ratio Lower Upper

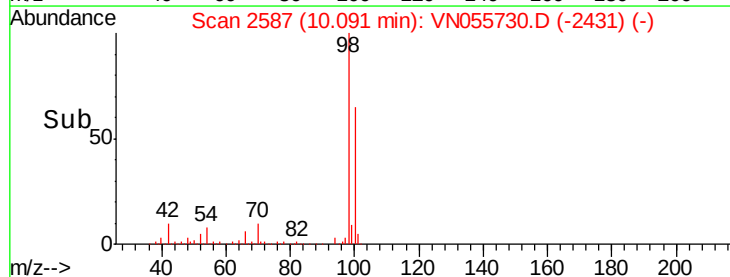
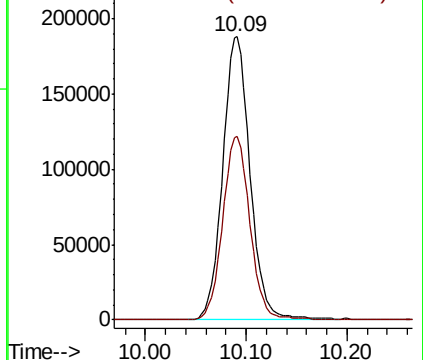
98 100

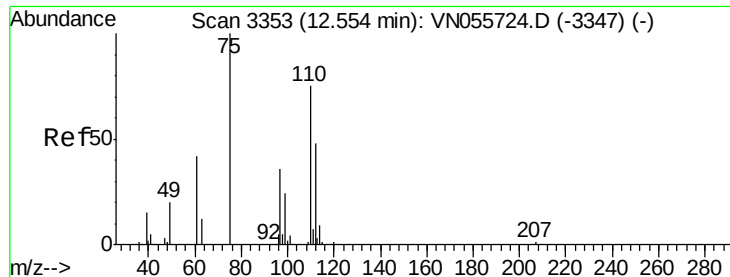
100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055724.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN055724.D (-2571) (-)





#72

1,2,3-Trichloropropane

Concen: 12.058 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055730.D

Acq: 22 May 2019 20:42

Instrument :

MSVOA_N

ClientSampled :

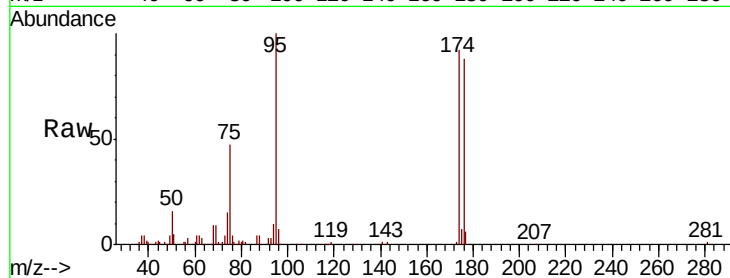
55-ST-14

Tot Ion: 75 Resp: 45111

Ion Ratio Lower Upper

75 100

77 1.2 0.0 349.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

30000

25000

20000

15000

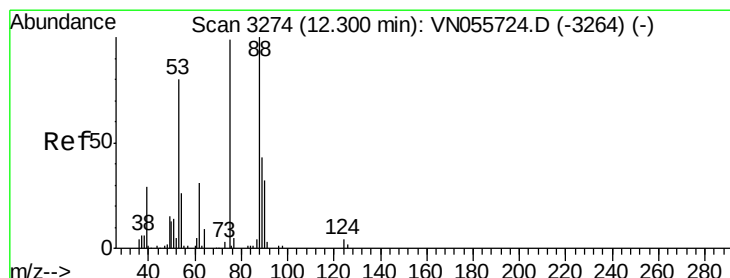
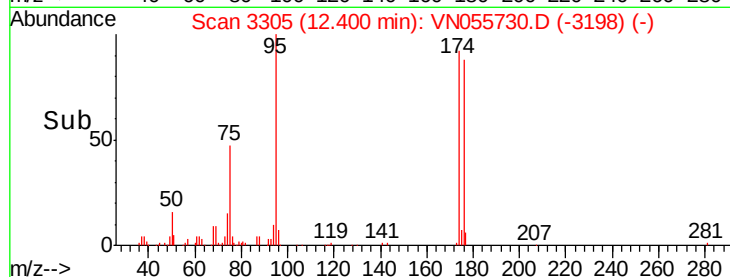
10000

5000

0

12.35 12.40 12.45

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 30.357 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055730.D

Acq: 22 May 2019 20:42

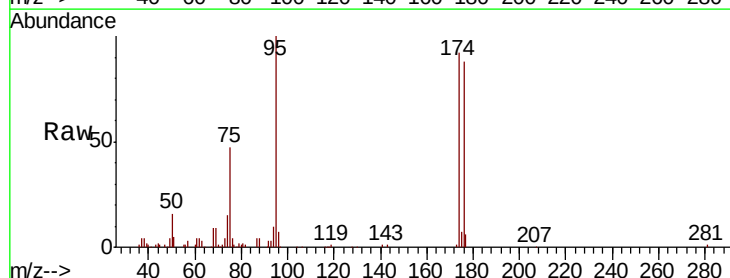
Tgt Ion: 75 Resp: 45111

Ion Ratio Lower Upper

75 100

53 0.0 40.1 120.3#

89 0.0 22.6 67.8#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

30000

25000

20000

15000

10000

5000

0

12.35 12.40 12.45

Time-->

