

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052919\
 Data File : VN055874.D
 Acq On : 29 May 2019 13:43
 Operator : JC/SP
 Sample : K3070-02 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: May 30 03:39:09 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	57022	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	296875	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	238131	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	110691	29.70	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.00%
60) 4-Bromofluorobenzene	12.40	95	86948	23.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.23%
63) Toluene-d8	10.09	98	347271	31.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.37%

Target Compounds

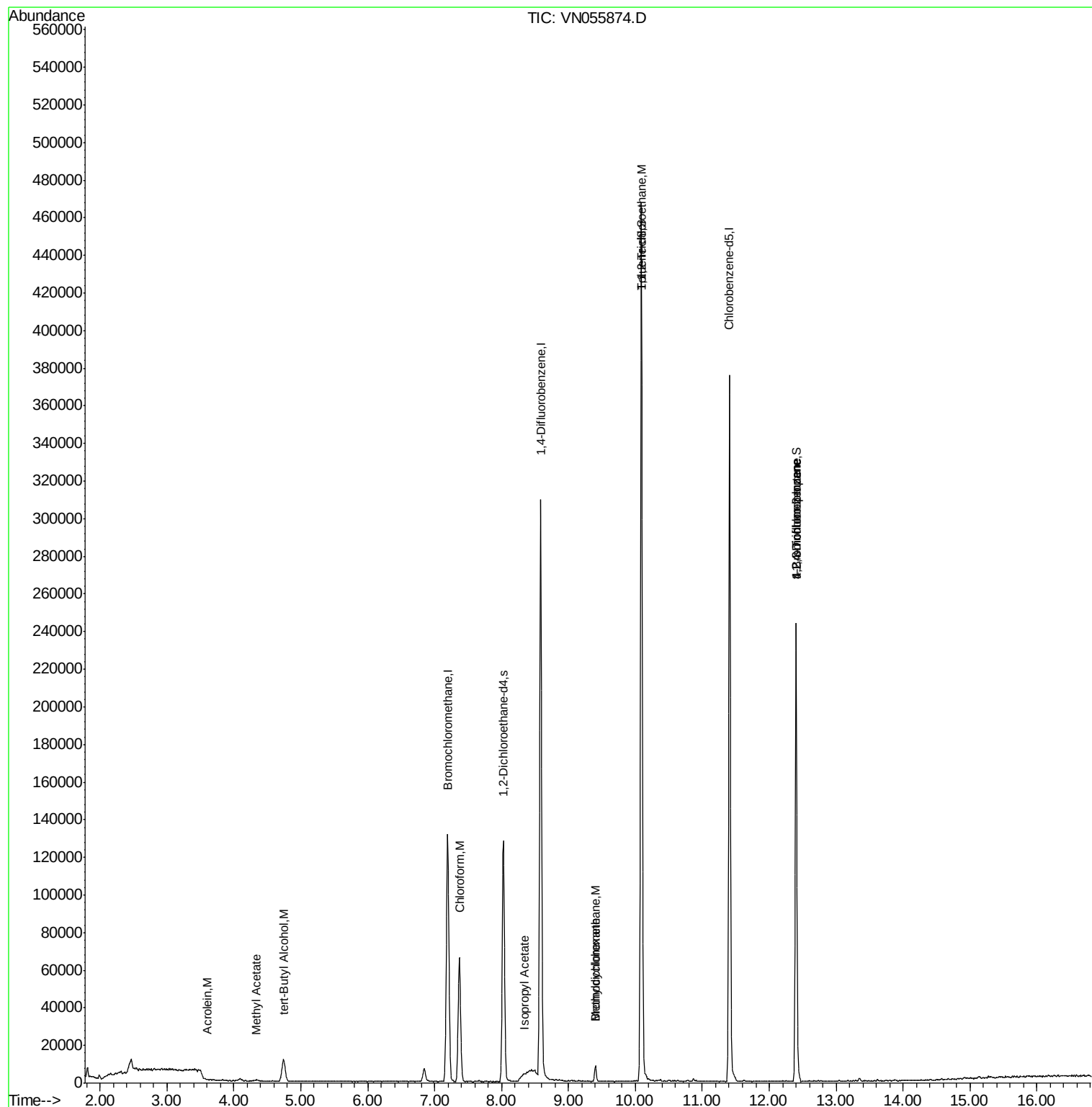
					Ovalue	
12) Methyl Acetate	4.33	43	1509	0.410	ug/l #	51
13) Acrolein	3.60	56	209	0.409	ug/l #	77
23) tert-Butyl Alcohol	4.74	59	11057	15.002	ug/l #	100
25) Chloroform	7.37	83	72020	12.269	ug/l	99
38) Methylcyclohexane	9.40	83	6326	1.201	ug/l #	19
41) Bromodichloromethane	9.40	83	6326	1.386	ug/l	98
44) Isopropyl Acetate	8.33	43	5153	0.715	ug/l #	47
50) 1,1,2-Trichloroethane	10.09	97	10167	3.136	ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	40096	11.000	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	40096	27.693	ug/l #	17

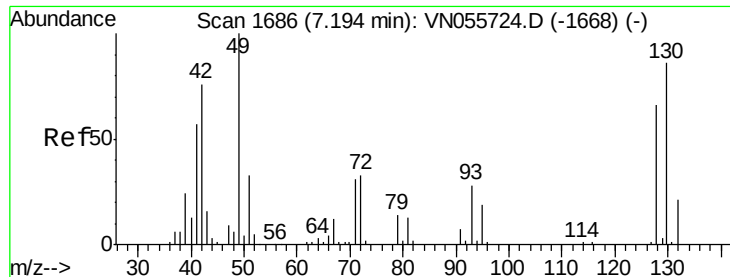
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052919\
Data File : VN055874.D
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
14B-2

Quant Time: May 30 03:39:09 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: VN055874.D

Acq: 29 May 2019 13:43

Instrument :

MSVOA_N

ClientSampled :

14B-2

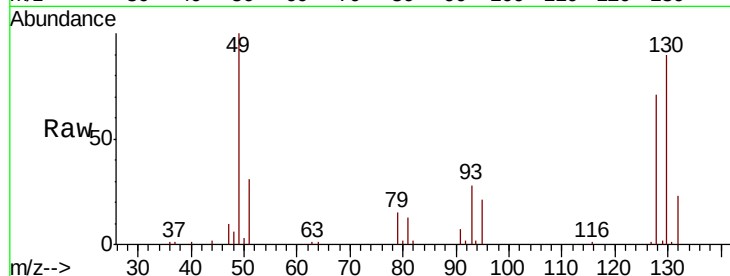
Tot Ion:128 Resp: 57022

Ion Ratio Lower Upper

128 100

49 139.4 0.0 383.2

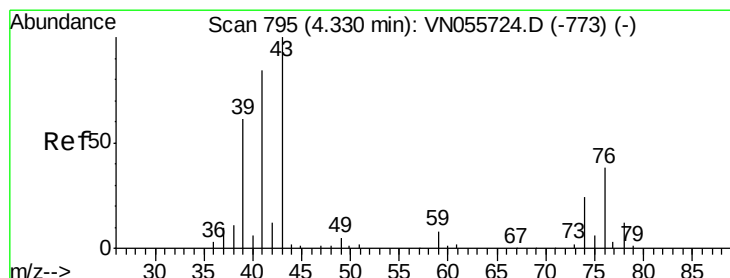
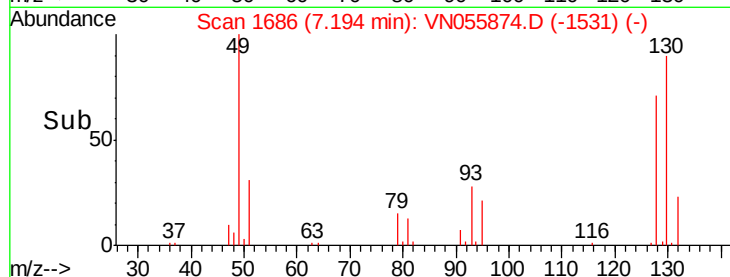
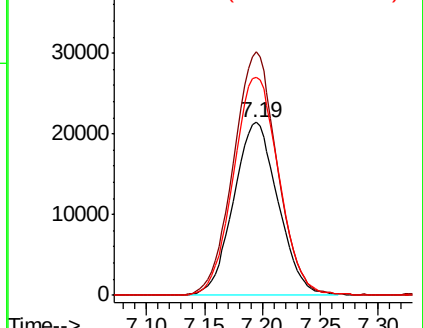
130 128.9 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#12

Methyl Acetate

Concen: 0.410 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN055874.D

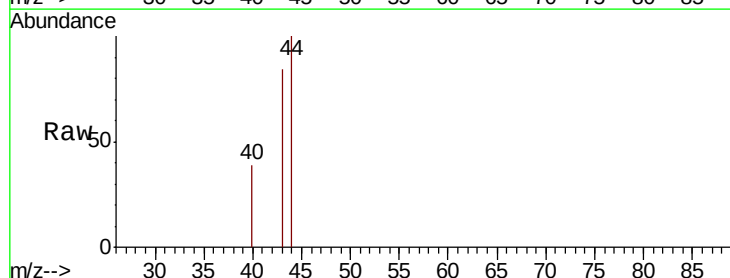
Acq: 29 May 2019 13:43

Tgt Ion: 43 Resp: 1509

Ion Ratio Lower Upper

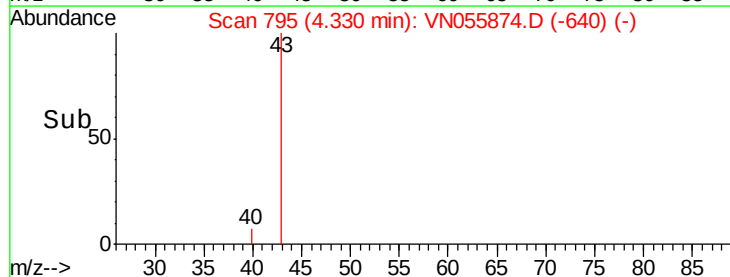
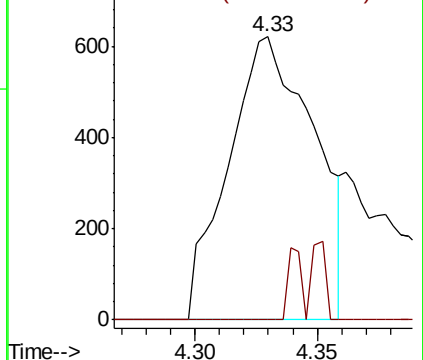
43 100

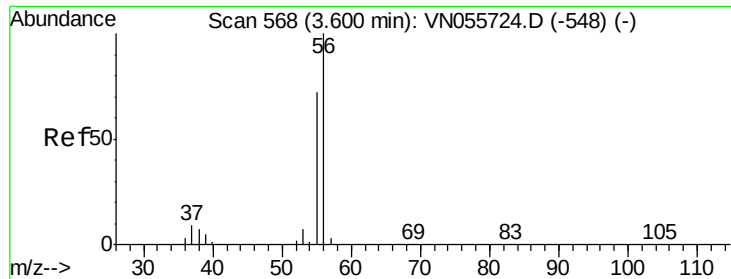
74 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

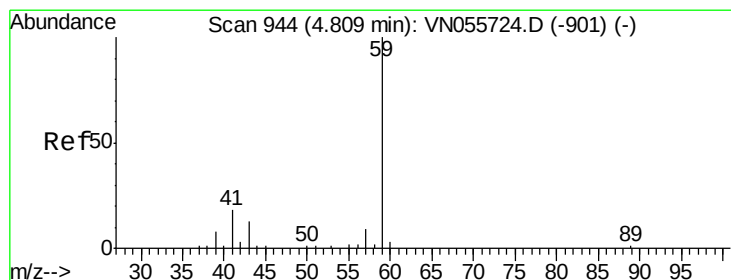
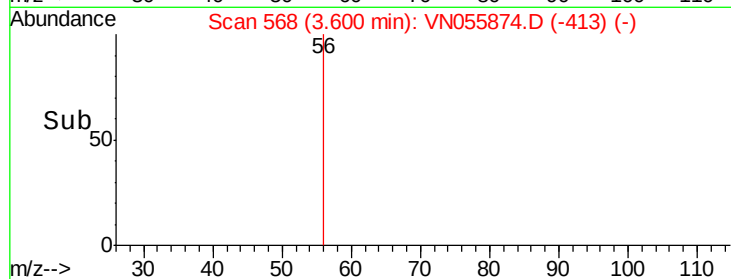
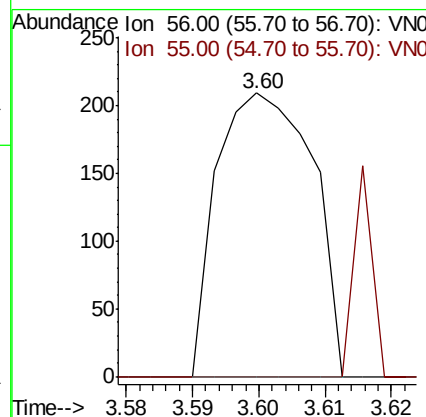
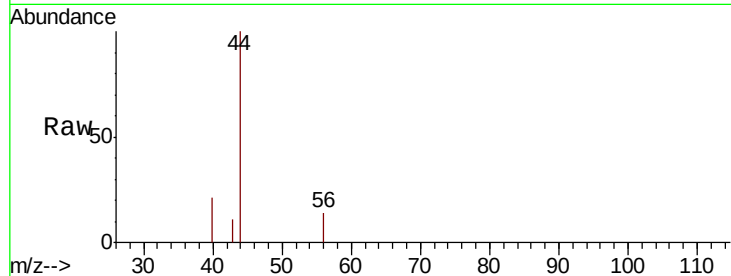




#13
 Acrolein
 Concen: 0.409 ug/l
 RT: 3.60 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VN055874.D
 Acq: 29 May 2019 13:43

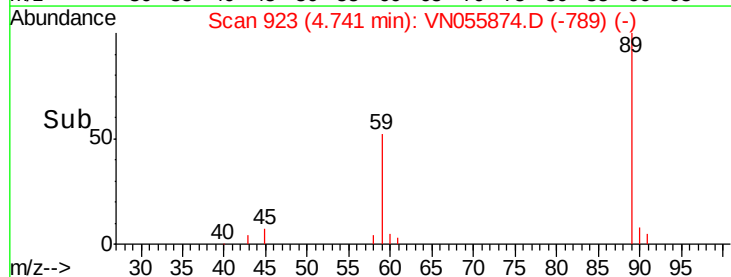
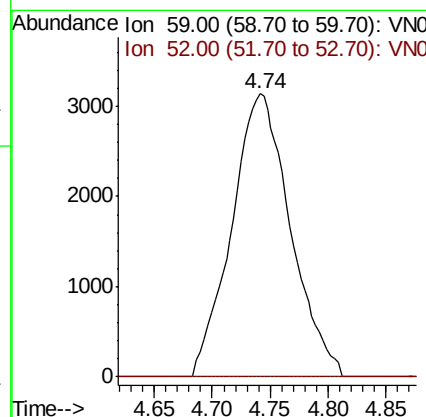
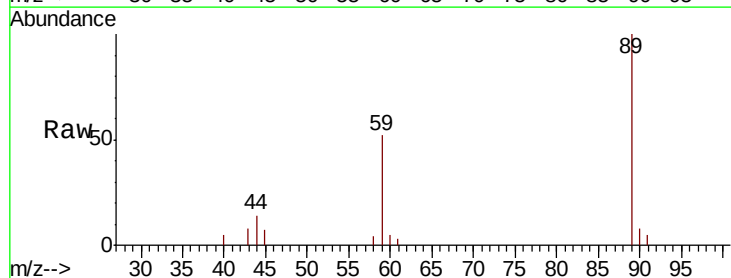
Instrument :
 MSVOA_N
 ClientSampled :
 14B-2

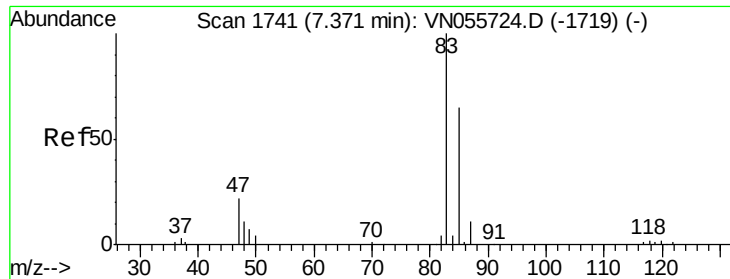
Tot Ion: 56 Resp: 209
 Ion Ratio Lower Upper
 56 100
 55 52.6 57.0 85.6#



#23
 tert-Butyl Alcohol
 Concen: 15.002 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. -0.07 min
 Lab File: VN055874.D
 Acq: 29 May 2019 13:43

Tgt Ion: 59 Resp: 11057
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

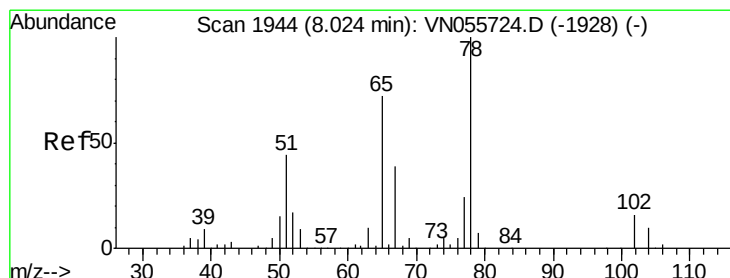
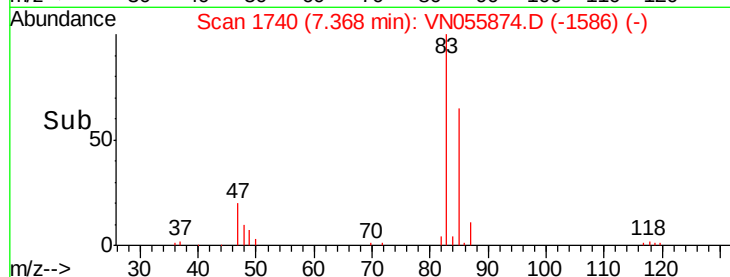
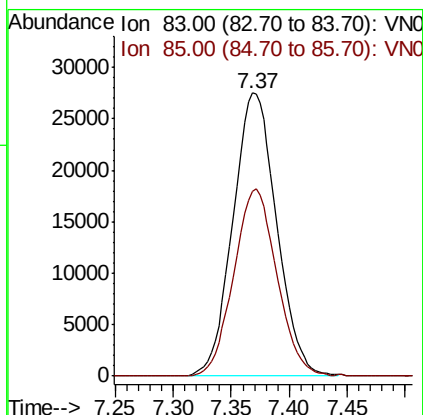
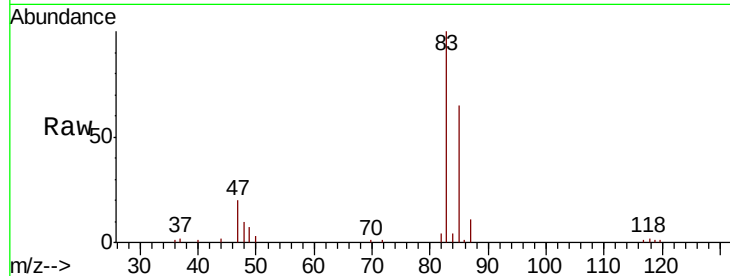




#25
Chloroform
Concen: 12.269 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN055874.D
Acq: 29 May 2019 13:43

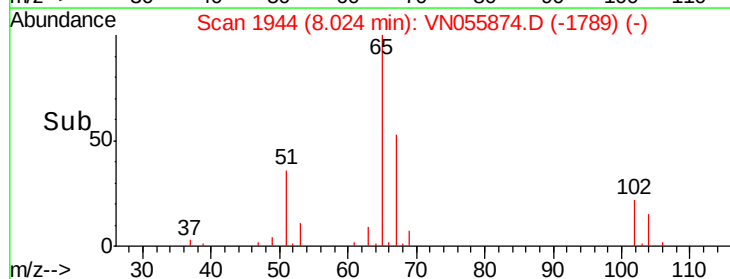
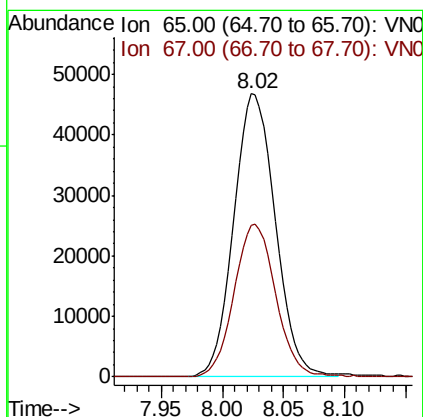
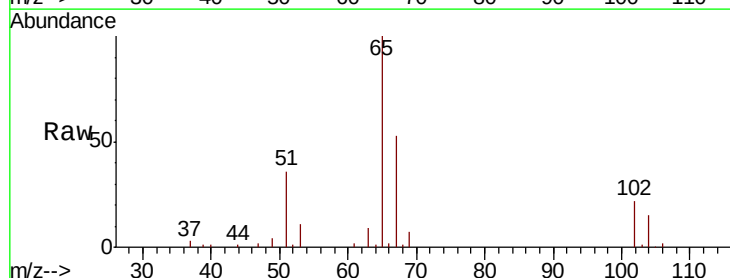
Instrument :
MSVOA_N
ClientSampled :
14B-2

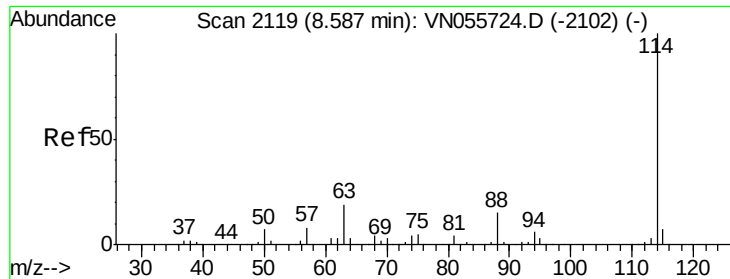
Tot Ion: 83 Resp: 72020
Ion Ratio Lower Upper
83 100
85 65.4 51.7 77.5



#27
1,2-Dichloroethane-d4
Concen: 29.699 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN055874.D
Acq: 29 May 2019 13:43

Tgt Ion: 65 Resp: 110691
Ion Ratio Lower Upper
65 100
67 53.9 43.5 65.3

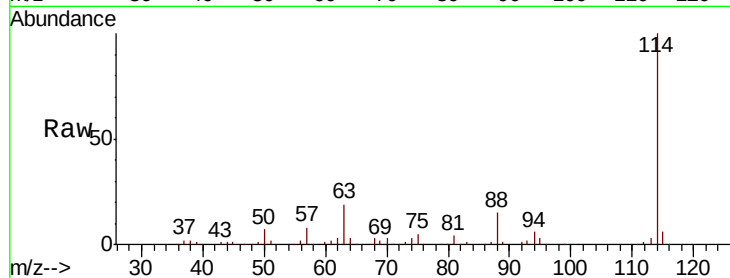




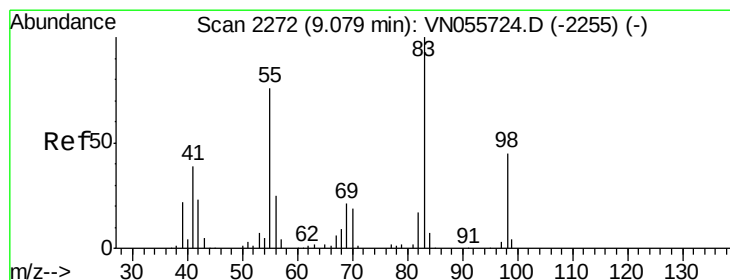
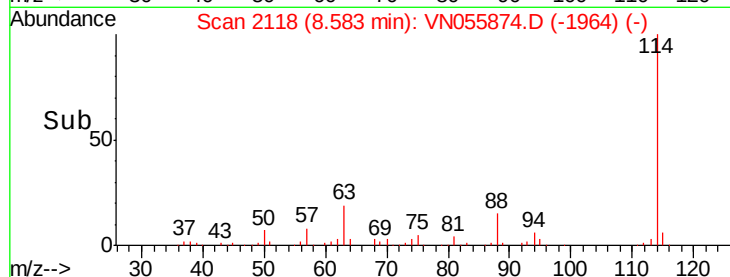
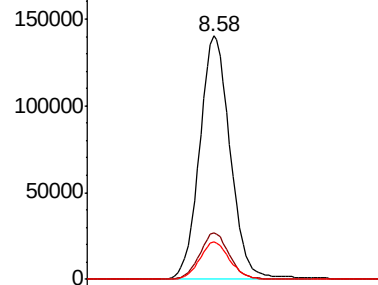
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055874.D
 Acq: 29 May 2019 13:43

Instrument :
 MSVOA_N
 ClientSampled :
 14B-2

Tot Ion:114 Resp: 296875
 Ion Ratio Lower Upper
 114 100
 63 18.6 15.6 23.4
 88 15.0 12.3 18.5

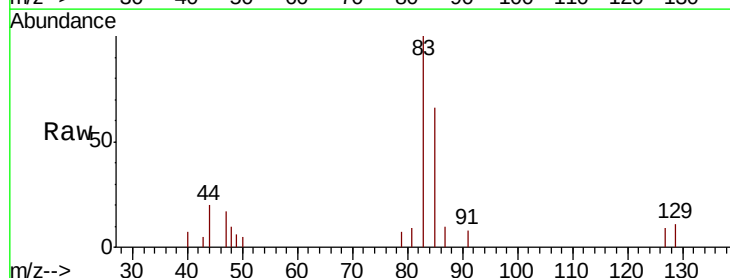


Abundance Ion 114.00 (113.70 to 114.70): VN0
 Ion 63.00 (62.70 to 63.70): VN0
 Ion 88.00 (87.70 to 88.70): VN0

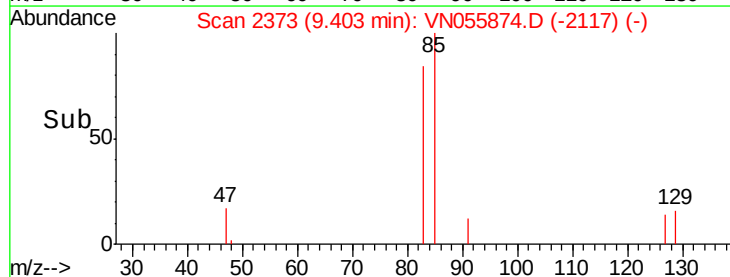
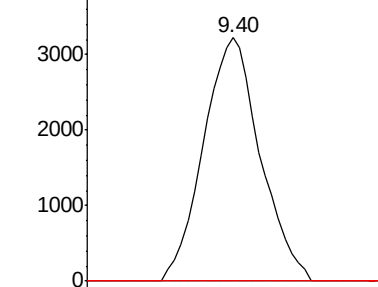


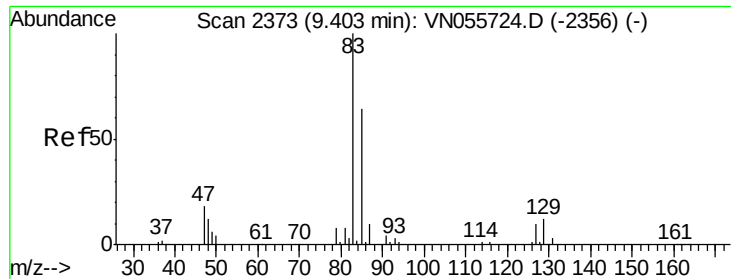
#38
 Methylcyclohexane
 Concen: 1.201 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.32 min
 Lab File: VN055874.D
 Acq: 29 May 2019 13:43

Tgt Ion: 83 Resp: 6326
 Ion Ratio Lower Upper
 83 100
 55 0.0 37.8 113.4#
 98 0.0 22.6 67.8#



Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#41

Bromodichloromethane

Concen: 1.386 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055874.D

Acq: 29 May 2019 13:43

Instrument :

MSVOA_N

ClientSampled :

14B-2

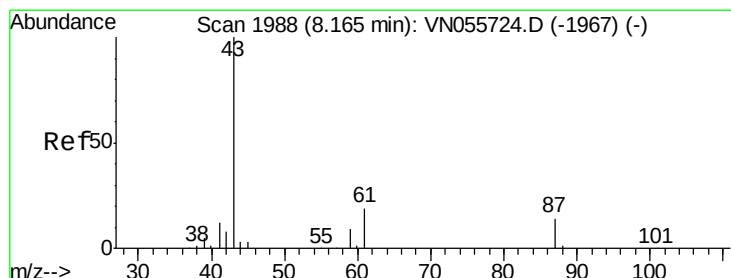
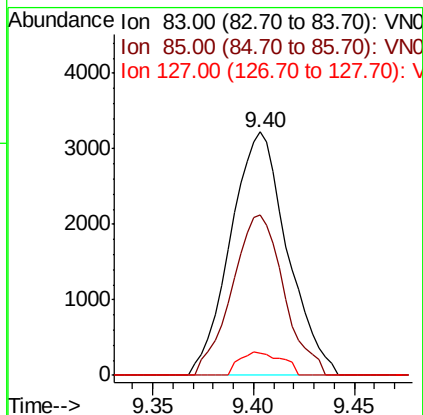
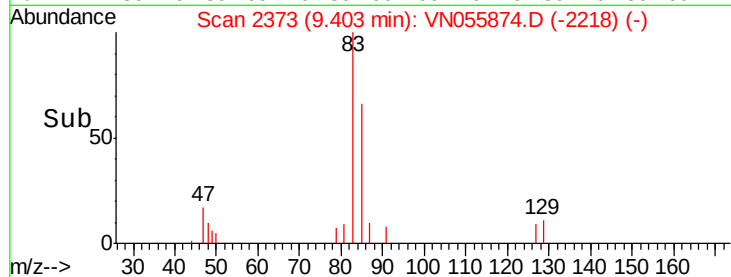
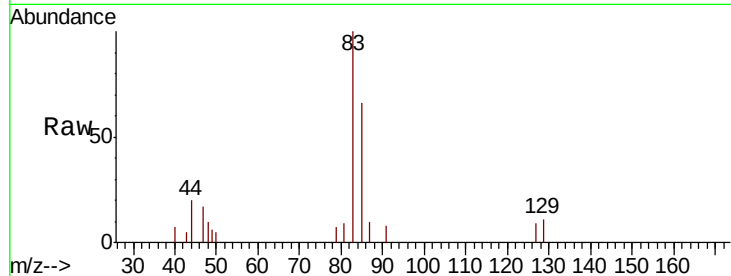
Tot Ion: 83 Resp: 6326

Ion Ratio Lower Upper

83 100

85 65.7 51.4 77.0

127 9.2 7.7 11.5



#44

Isopropyl Acetate

Concen: 0.715 ug/l

RT: 8.33 min Scan# 2040

Delta R.T. 0.17 min

Lab File: VN055874.D

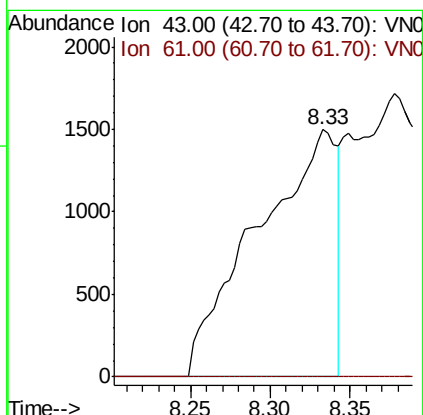
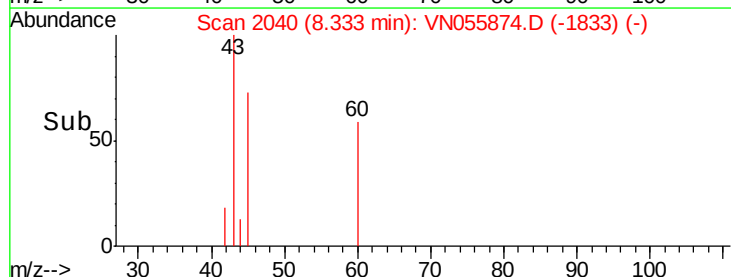
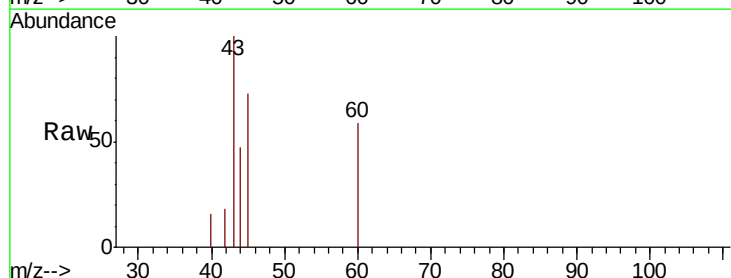
Acq: 29 May 2019 13:43

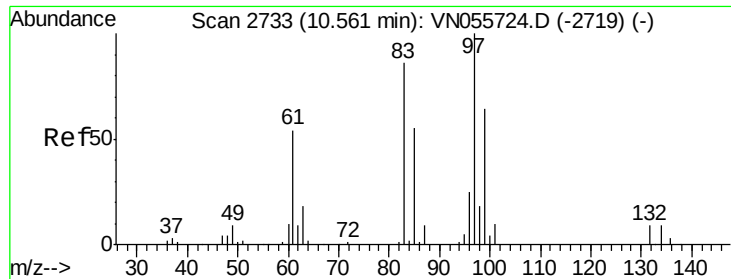
Tgt Ion: 43 Resp: 5153

Ion Ratio Lower Upper

43 100

61 0.0 22.1 33.1#

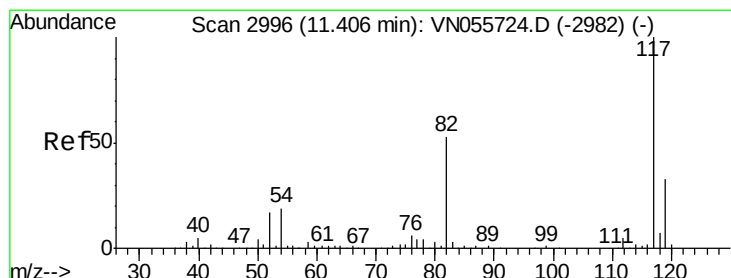
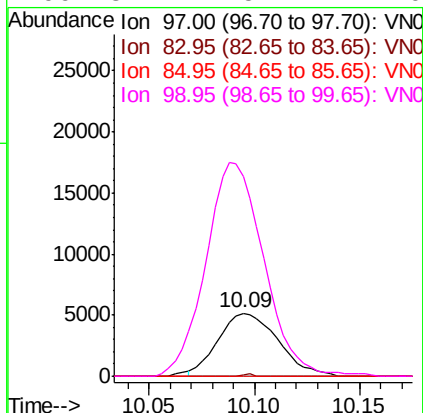
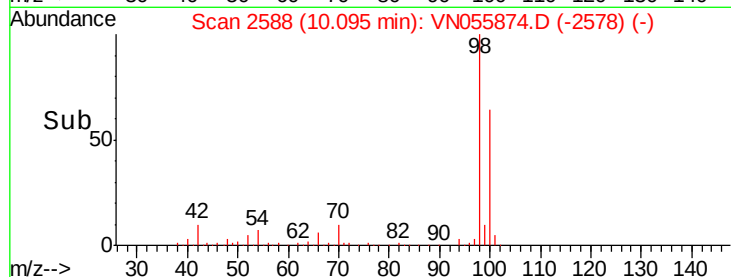
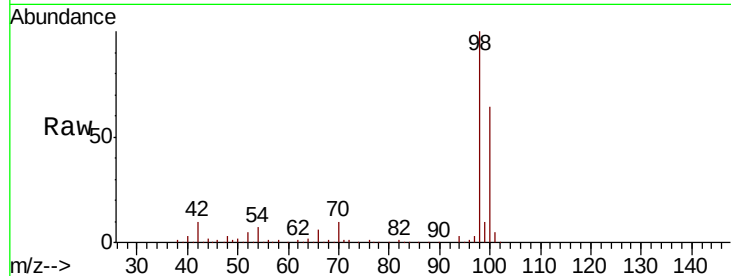




#50
1,1,2-Trichloroethane
Concen: 3.136 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. -0.47 min
Lab File: VN055874.D
Acq: 29 May 2019 13:43

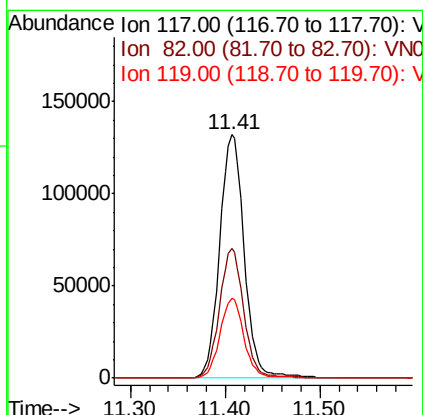
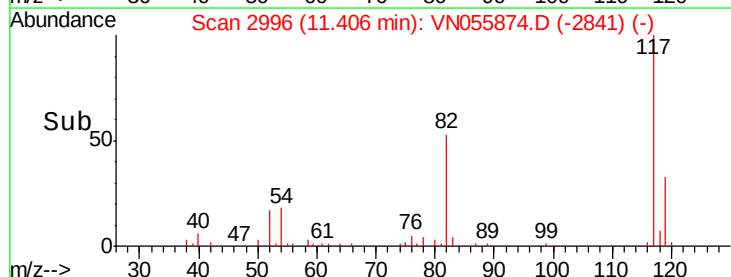
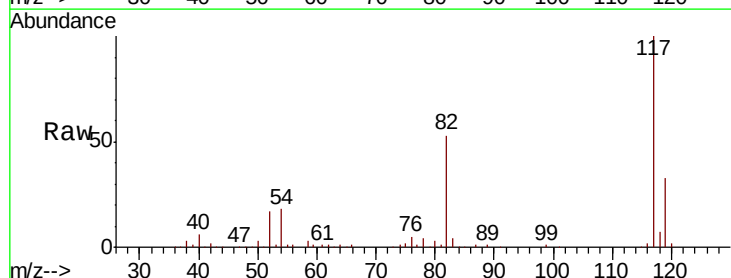
Instrument :
MSVOA_N
ClientSampled :
14B-2

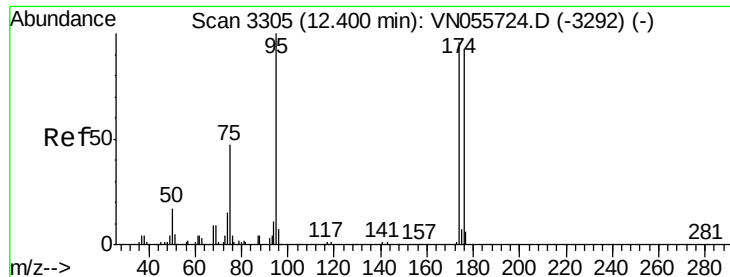
Tot Ion: 97 Resp: 10167
Ion Ratio Lower Upper
97 100
83 3.0 68.9 103.3#
85 0.0 44.3 66.5#
99 312.2 51.4 77.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055874.D
Acq: 29 May 2019 13:43

Tgt Ion: 117 Resp: 238131
Ion Ratio Lower Upper
117 100
82 52.8 42.6 64.0
119 31.9 25.9 38.9





#60

4-Bromofluorobenzene

Concen: 23.472 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055874.D

Acq: 29 May 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

14B-2

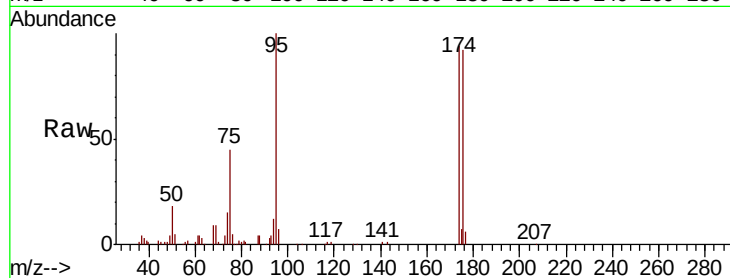
Tot Ion: 95 Resp: 86948

Ion Ratio Lower Upper

95 100

174 94.8 75.7 113.5

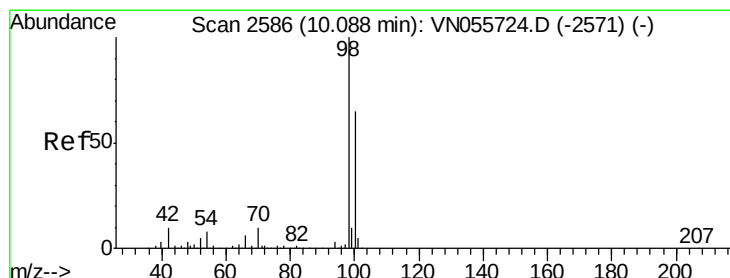
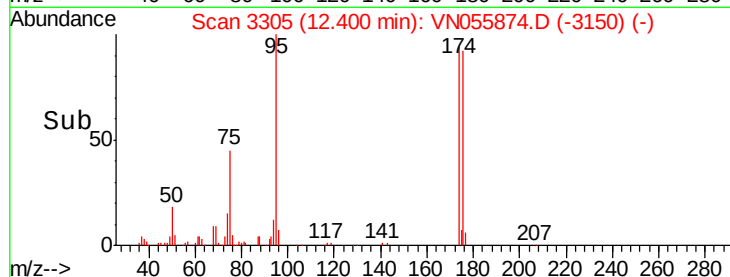
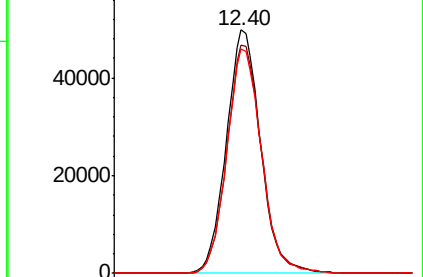
176 93.0 74.1 111.1



Abundance Ion 95.00 (94.70 to 95.70): VN055874.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN055874.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN055874.D (-3292) (-)



#63

Toluene-d8

Concen: 31.911 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055874.D

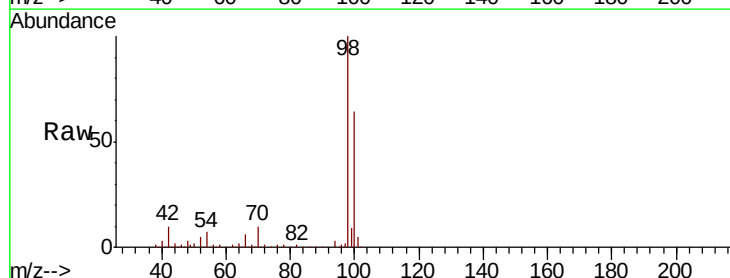
Acq: 29 May 2019 13:43

Tgt Ion: 98 Resp: 347271

Ion Ratio Lower Upper

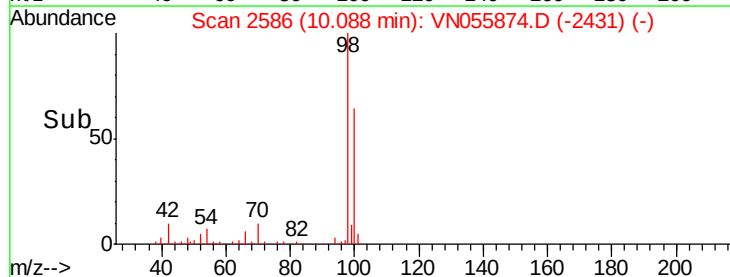
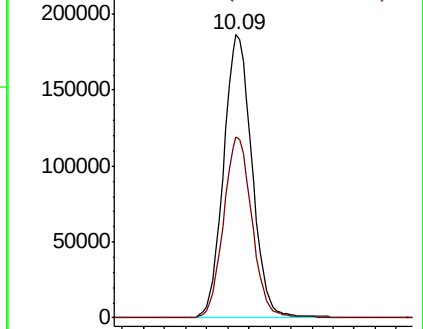
98 100

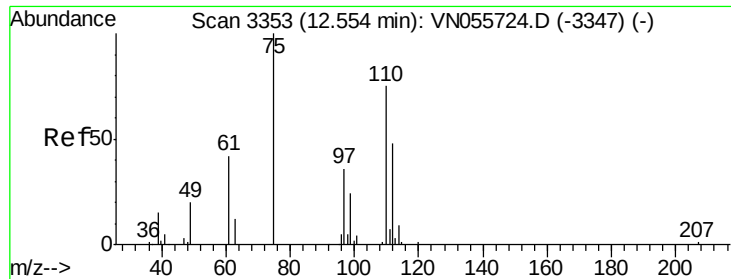
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN055874.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN055874.D (-2431) (-)





#72

1,2,3-Trichloropropane

Concen: 11.000 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055874.D

Acq: 29 May 2019 13:43

Instrument :

MSVOA_N

ClientSampled :

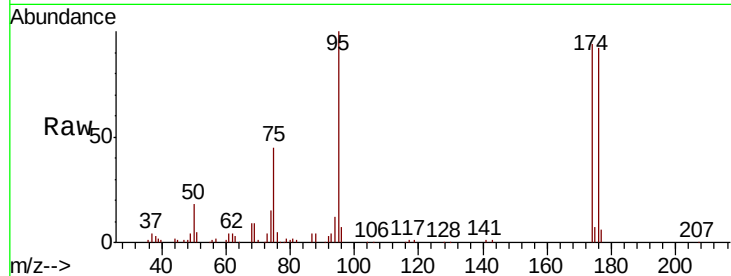
14B-2

Tot Ion: 75 Resp: 40096

Ion Ratio Lower Upper

75 100

77 0.8 0.0 349.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

25000

20000

15000

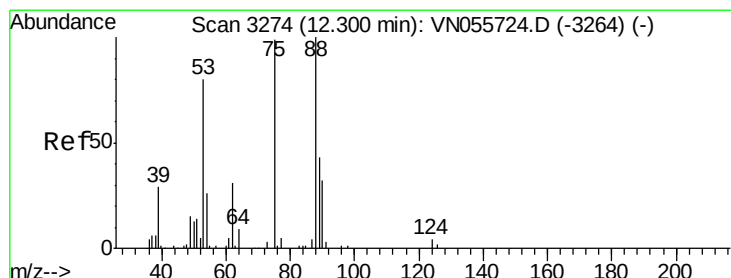
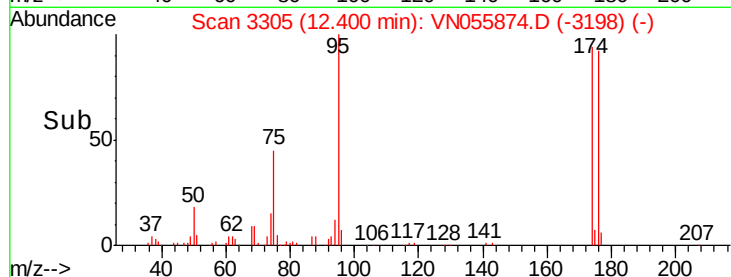
10000

5000

0

Time-->

12.35 12.40 12.45



#77

t-1,4-Dichloro-2-butene

Concen: 27.693 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055874.D

Acq: 29 May 2019 13:43

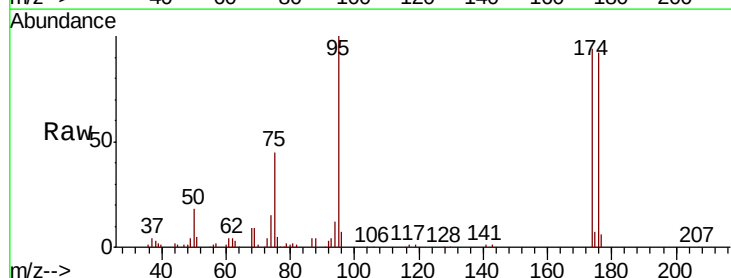
Tgt Ion: 75 Resp: 40096

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

Time-->

12.35 12.40 12.45

