

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052299.D
 Acq On : 13 Nov 2018 20:50
 Operator : MD\SY
 Sample : PB114744ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:12:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	306383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	535551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153443	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	218172	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
35) Dibromofluoromethane	7.59	113	165055	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	10.09	98	654924	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	12.40	95	185568	42.27	ug/l	0.00
Spiked Amount			Recovery	=	84.54%	

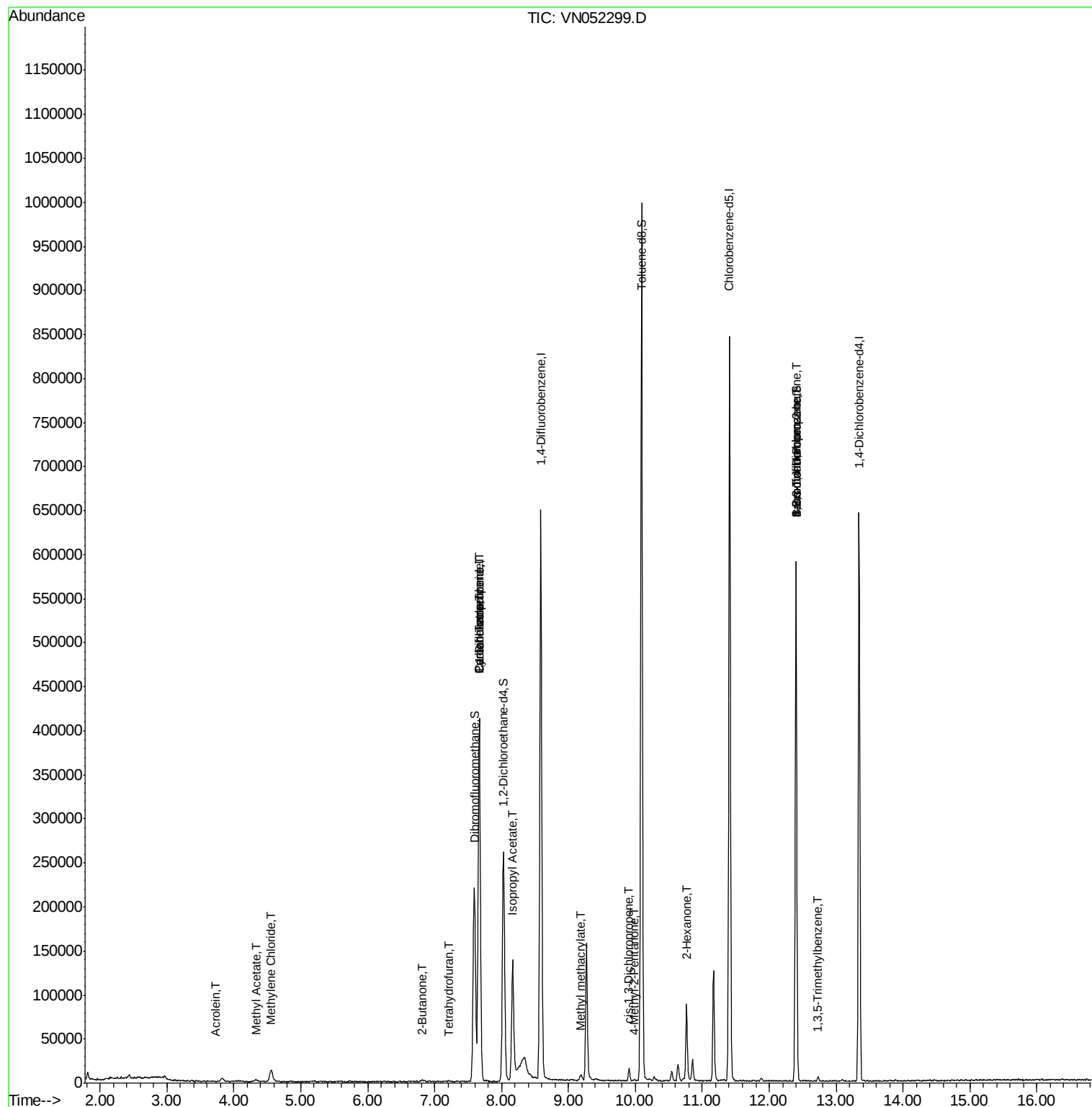
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.71	56	29	34.174	ug/l #	1
16) Acetone	3.82	43	6533	Below Cal		96
18) Methyl Acetate	4.33	43	4483	1.280	ug/l #	83
20) Methylene Chloride	4.55	84	5018	1.314	ug/l	95
25) 2-Butanone	6.82	43	874	0.489	ug/l #	52
29) Tetrahydrofuran	7.21	42	519	0.446	ug/l #	57
31) Cyclohexane	7.67	56	9142	0.730	ug/l #	25
36) 1,1-Dichloropropene	7.67	75	28374	5.249	ug/l #	51
38) Carbon Tetrachloride	7.67	117	32733	6.682	ug/l #	17
43) Isopropyl Acetate	8.17	43	167568	23.645	ug/l	97
48) Methyl methacrylate	9.19	41	3718	0.996	ug/l #	27
51) 4-Methyl-2-Pentanone	9.99	43	1028	0.263	ug/l	88
54) cis-1,3-Dichloropropene	9.91	75	2076	0.346	ug/l #	67
59) 2-Hexanone	10.76	43	13933	5.071	ug/l #	56
71) Bromoform	12.40	173	877	0.459	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	105503	38.862	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2175	0.218	ug/l	89
81) trans-1,4-Dichloro-2-buten	12.40	75	105503	132.654	ug/l #	8

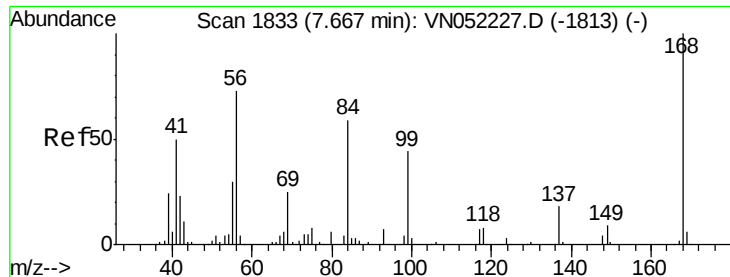
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052299.D

Acq: 13 Nov 2018 20:50

Instrument :

MSVOA_N

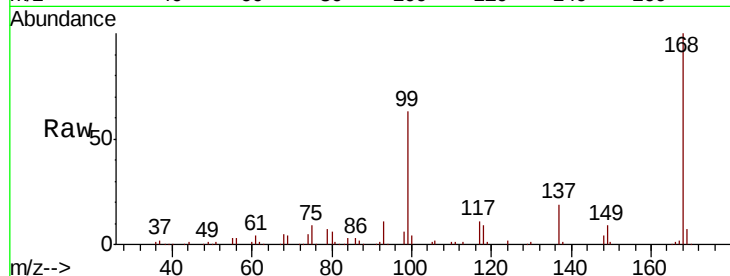
ClientSampleId :

Tot Ion:168 Resp: 306383

Ion Ratio Lower Upper

168 100

99 63.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): VN052227.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN052227.D (-1813) (-)

7.67

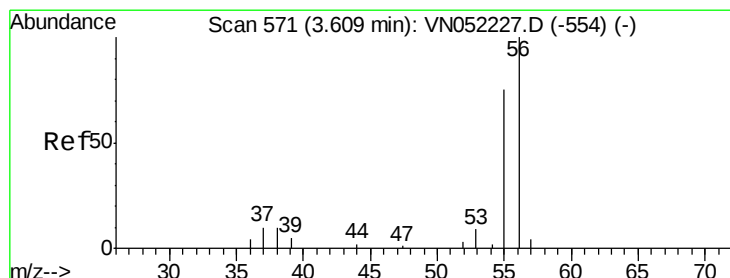
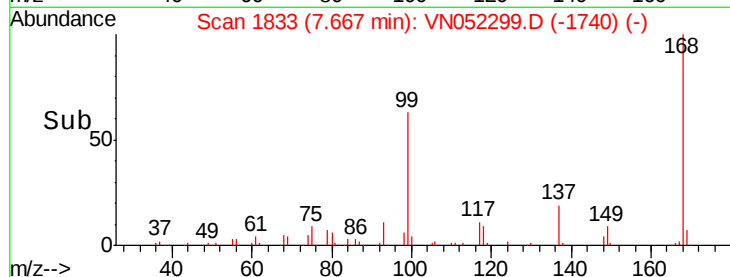
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#13

Acrolein

Concen: 34.174 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.10 min

Lab File: VN052299.D

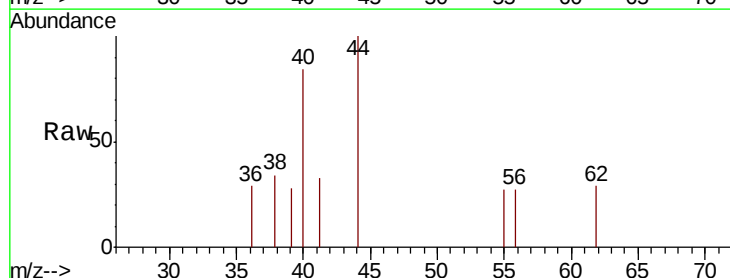
Acq: 13 Nov 2018 20:50

Tgt Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 206.9 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052227.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN052227.D (-554) (-)

3.71

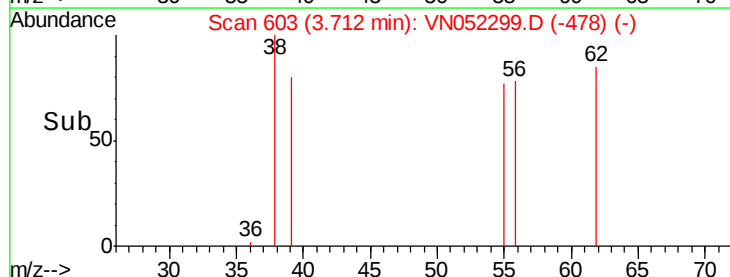
150

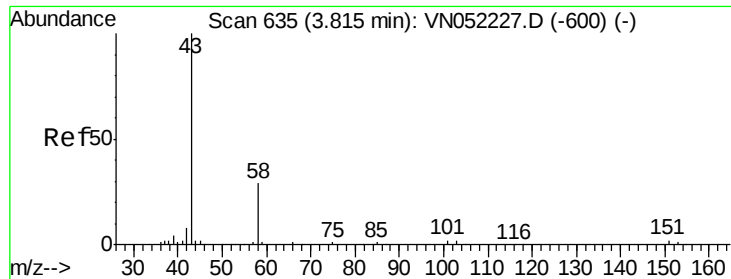
100

50

0

Time--> 3.70 3.71 3.71 3.71 3.72





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052299.D

Acq: 13 Nov 2018 20:50

Instrument :

MSVOA_N

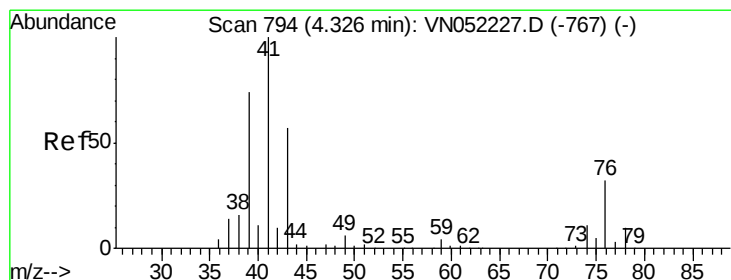
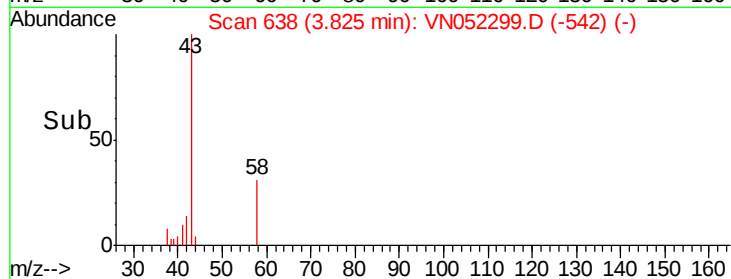
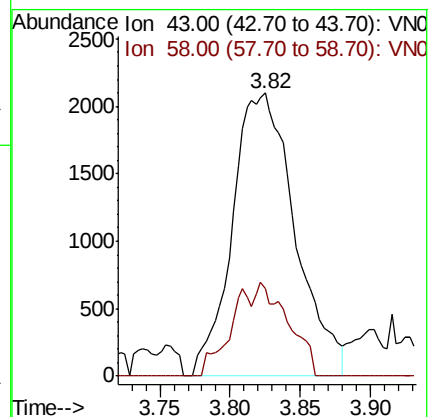
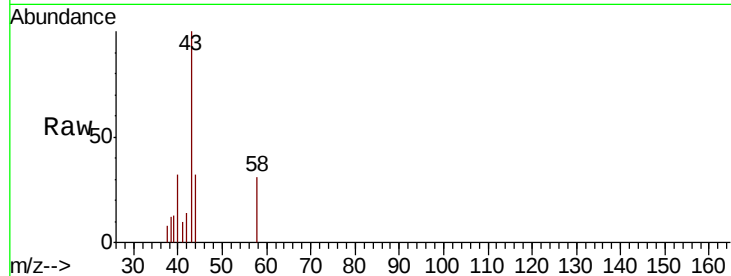
ClientSampled :

Tot Ion: 43 Resp: 6533

Ion Ratio Lower Upper

43 100

58 31.0 23.0 34.6



#18

Methyl Acetate

Concen: 1.280 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052299.D

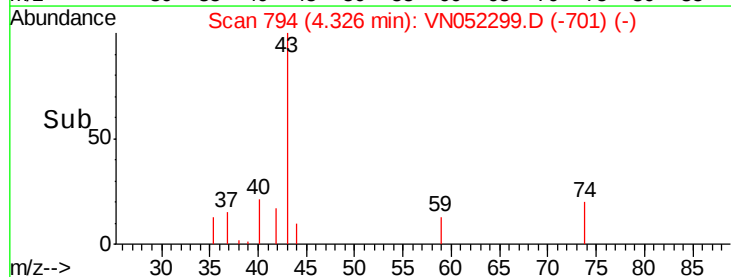
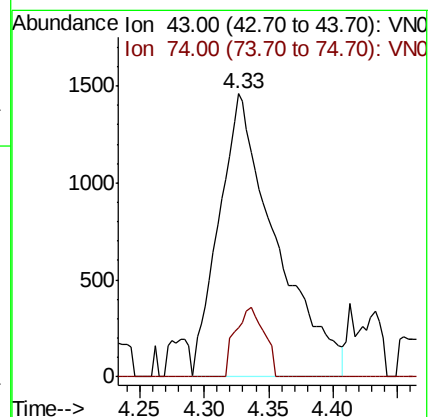
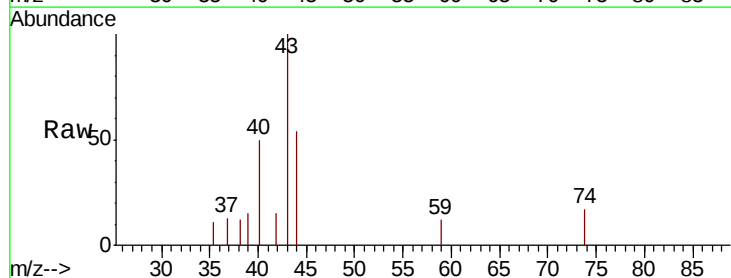
Acq: 13 Nov 2018 20:50

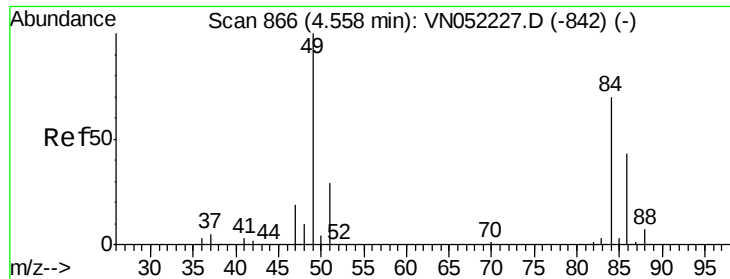
Tgt Ion: 43 Resp: 4483

Ion Ratio Lower Upper

43 100

74 12.2 16.2 24.2#

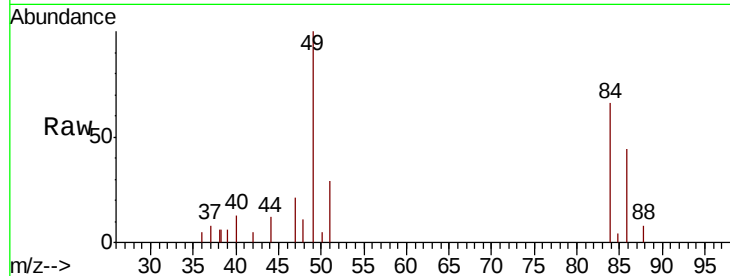




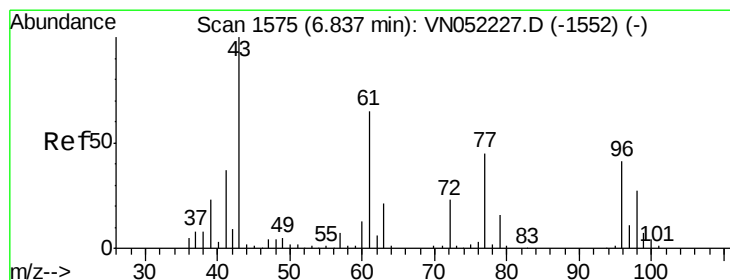
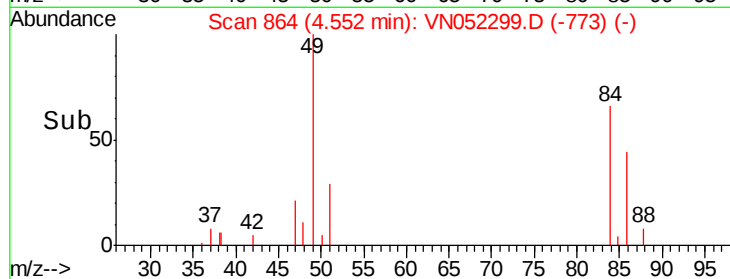
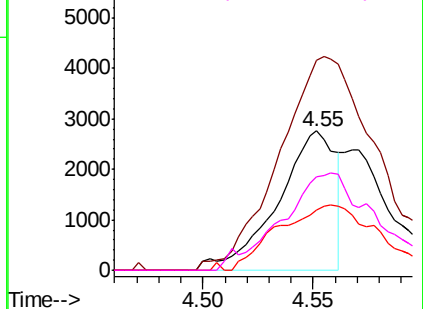
#20
Methvlene Chloride
Concen: 1.314 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.01 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 5018
Ion Ratio Lower Upper
84 100
49 150.7 114.8 172.2
51 43.3 33.1 49.7
86 67.0 49.7 74.5

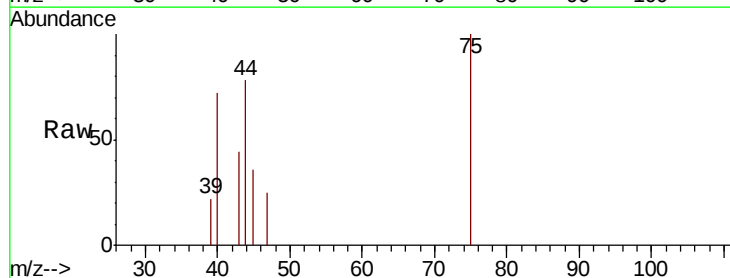


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

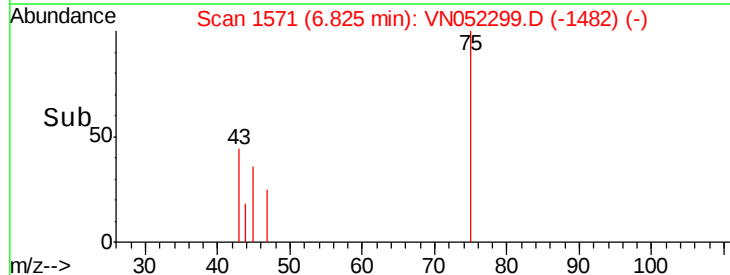
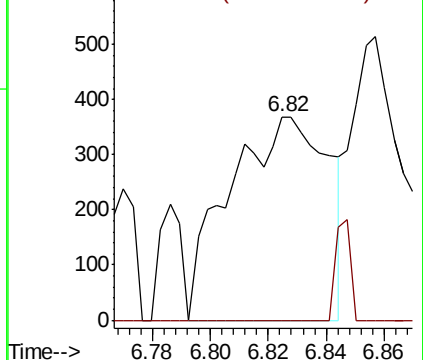


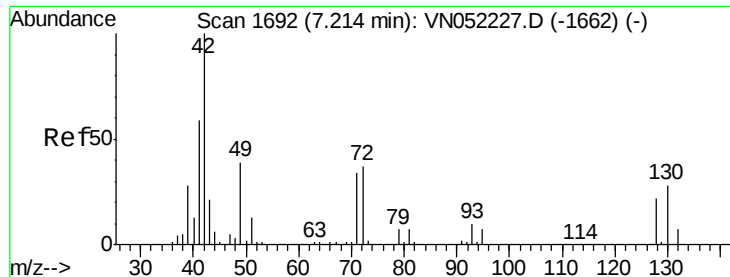
#25
2-Butanone
Concen: 0.489 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

Tgt Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO

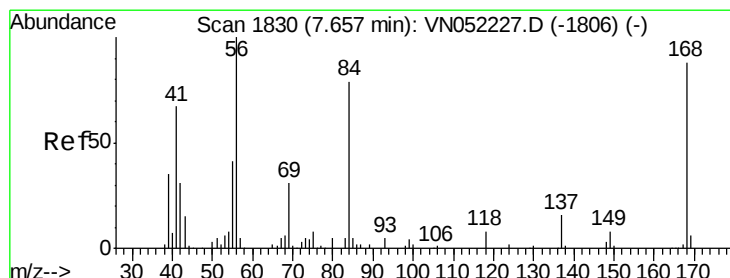
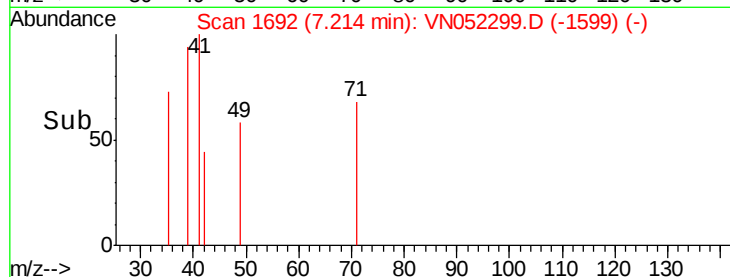
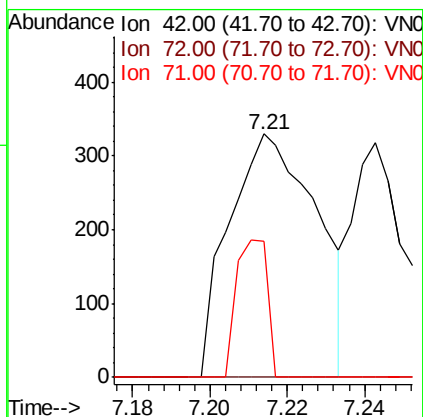
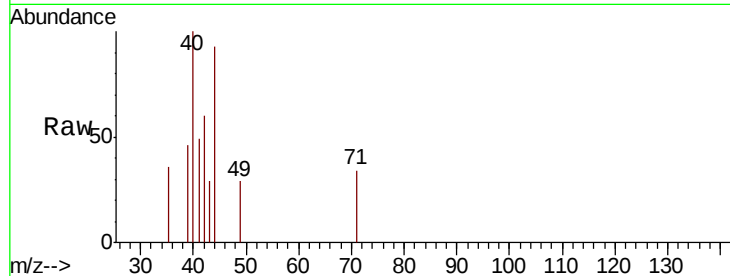




#29
Tetrahydrofuran
Concen: 0.446 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

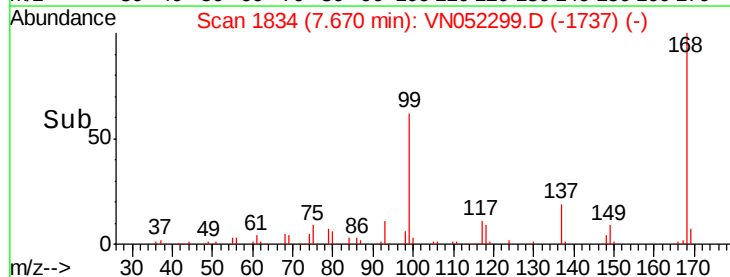
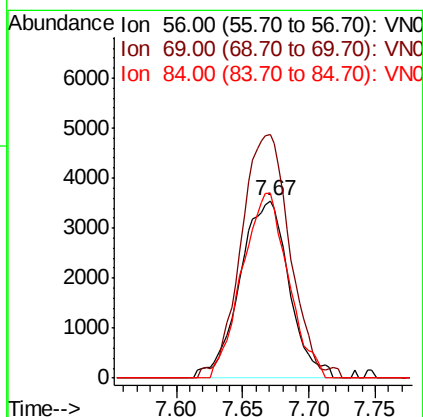
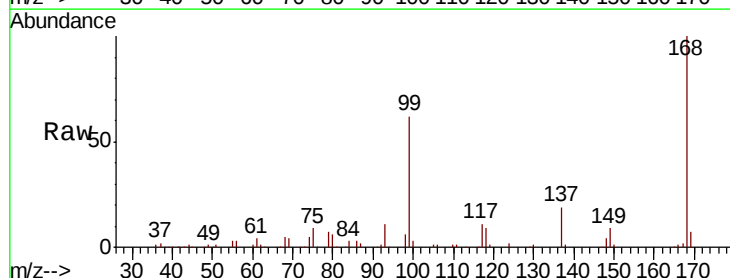
Instrument :
MSVOA_N
ClientSampled :

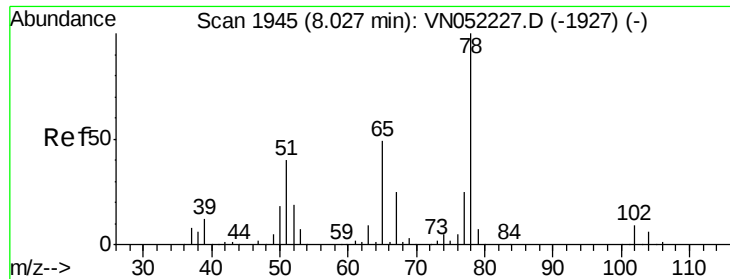
Tot Ion: 42 Resp: 519
Ion Ratio Lower Upper
42 100
72 0.0 28.6 43.0#
71 19.7 27.1 40.7#



#31
Cyclohexane
Concen: 0.730 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

Tgt Ion: 56 Resp: 9142
Ion Ratio Lower Upper
56 100
69 137.2 24.8 37.2#
84 104.3 63.1 94.7#

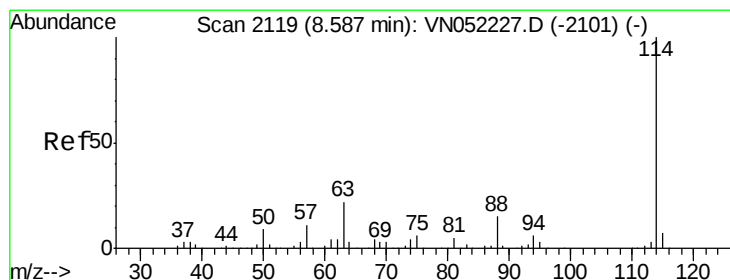
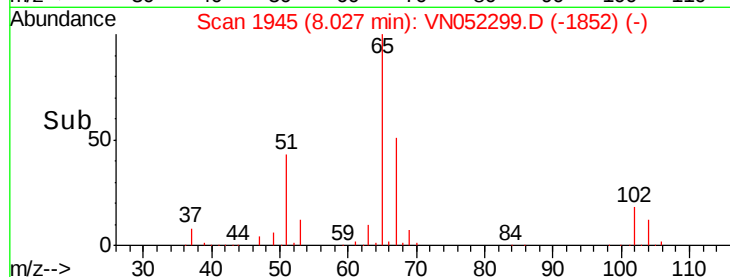
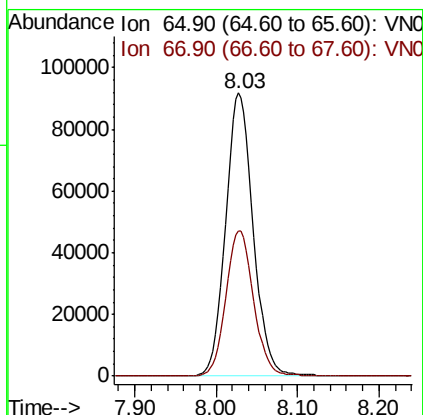
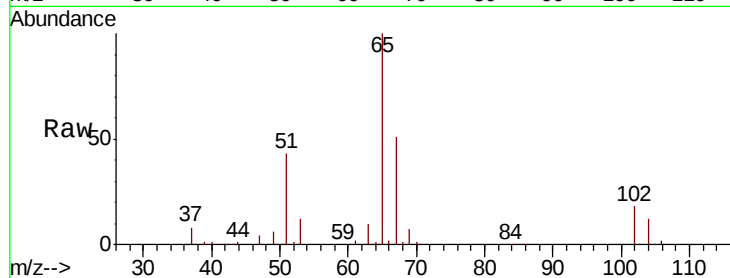




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052299.D
 Acq: 13 Nov 2018 20:50

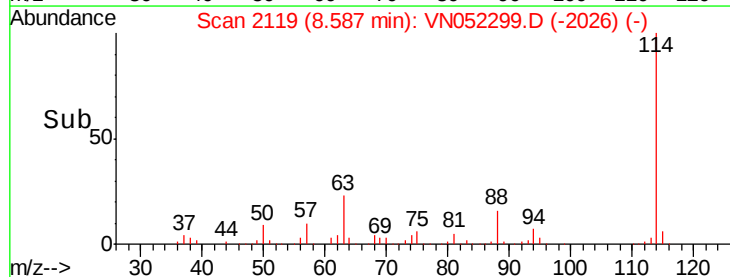
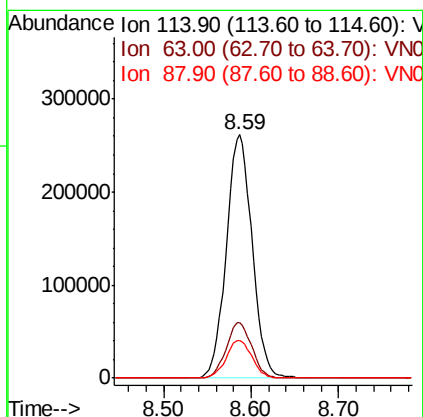
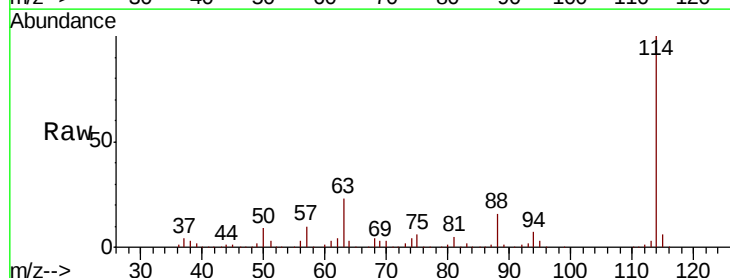
Instrument :
 MSVOA_N
 ClientSampled :

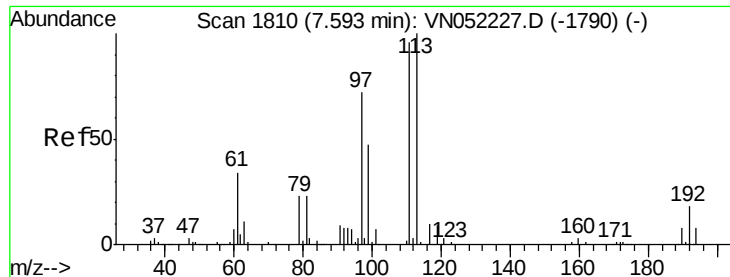
Tot Ion: 65 Resp: 218172
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052299.D
 Acq: 13 Nov 2018 20:50

Tgt Ion: 114 Resp: 535551
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 43.4
 88 15.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052299.D

Acq: 13 Nov 2018 20:50

Instrument :
MSVOA_N
ClientSampleId :

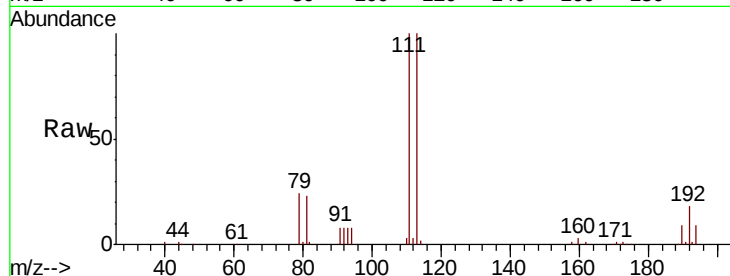
Tot Ion:113 Resp: 165055

Ion Ratio Lower Upper

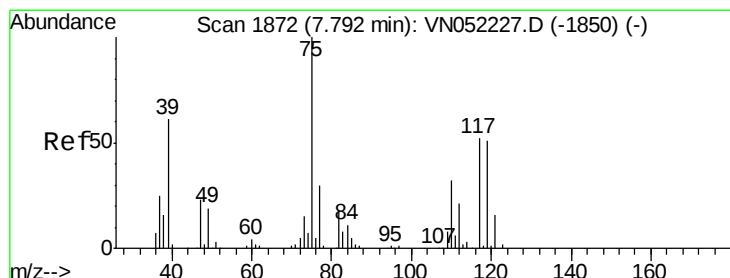
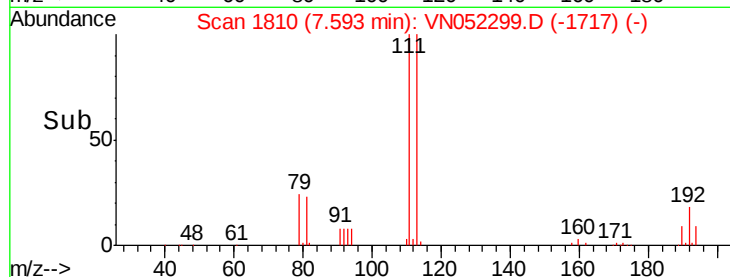
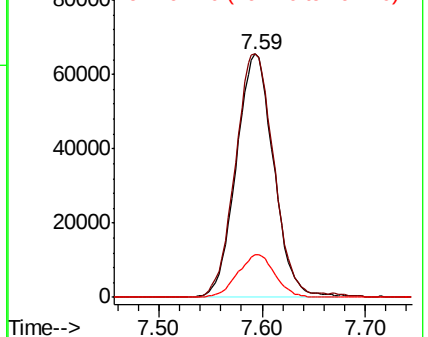
113 100

111 104.0 80.2 120.4

192 17.5 14.1 21.1



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: 5.249 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052299.D

Acq: 13 Nov 2018 20:50

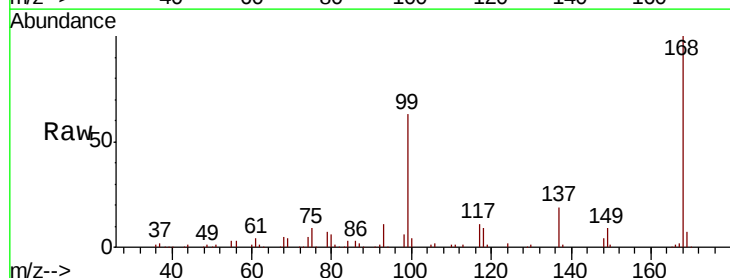
Tgt Ion: 75 Resp: 28374

Ion Ratio Lower Upper

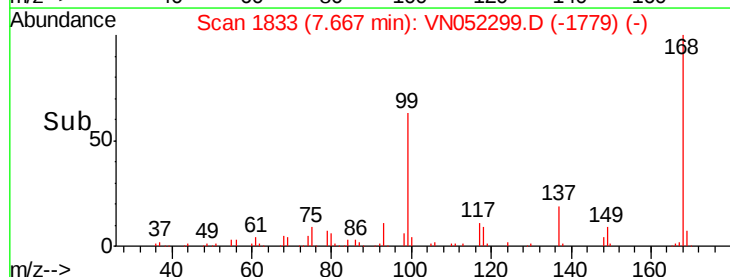
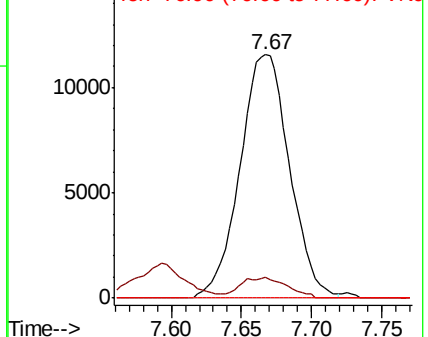
75 100

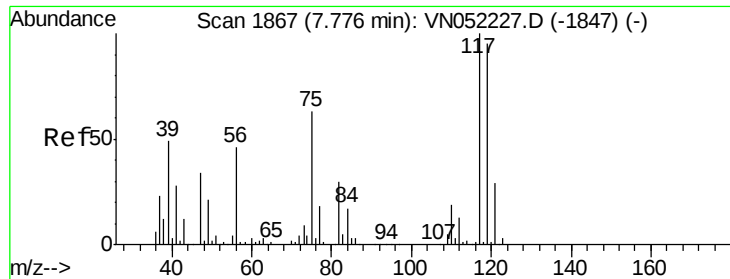
110 8.1 16.4 49.4#

77 0.0 23.9 35.9#



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

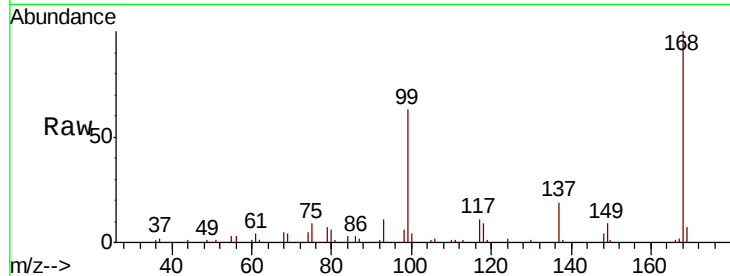




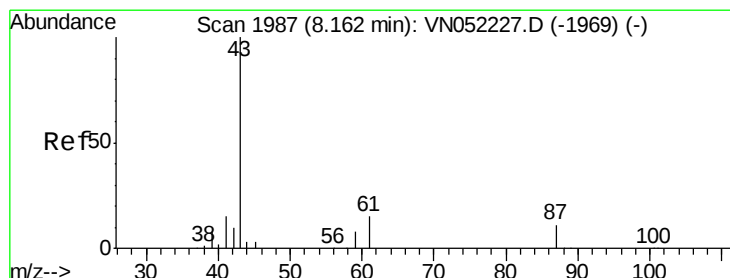
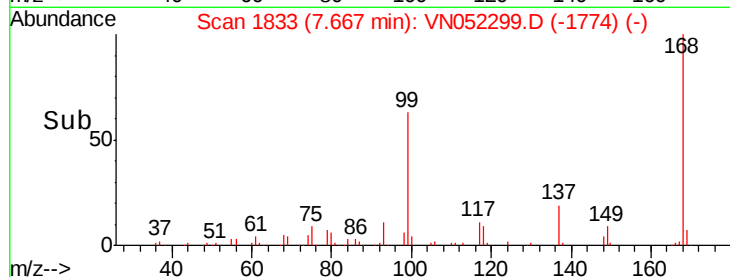
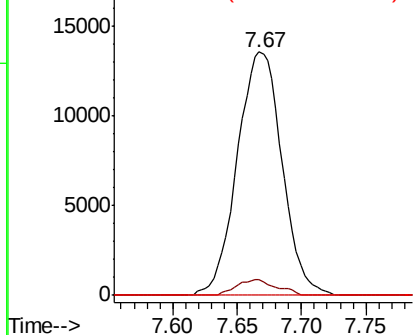
#38
Carbon Tetrachloride
Concen: 6.682 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 32733
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.8#
121 0.0 23.4 35.2#

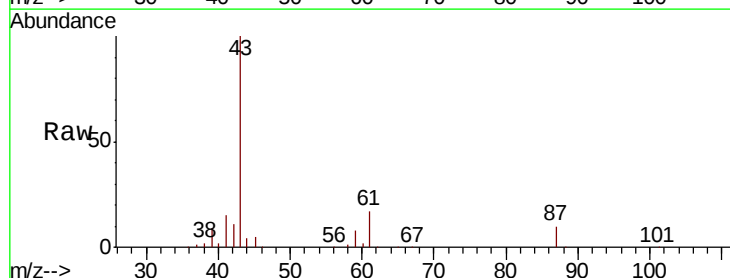


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

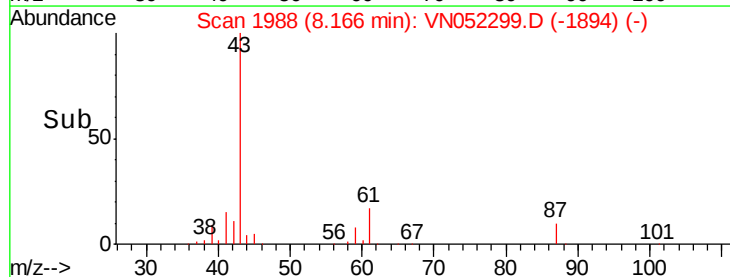
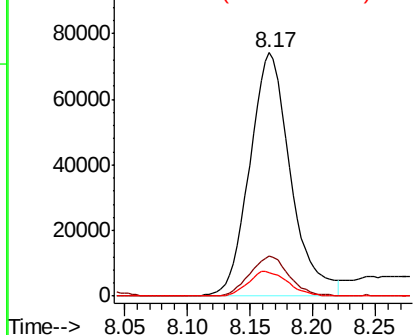


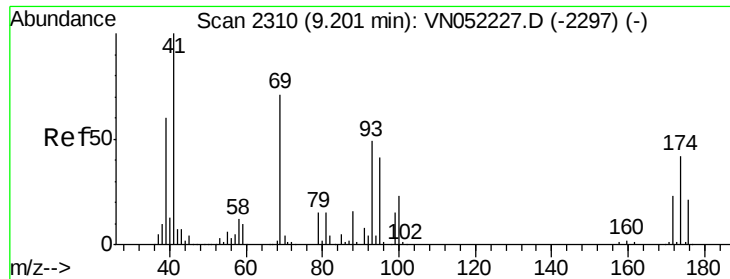
#43
Isopropyl Acetate
Concen: 23.645 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

Tgt Ion: 43 Resp: 167568
Ion Ratio Lower Upper
43 100
61 16.0 14.2 21.4
87 10.0 8.4 12.6



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

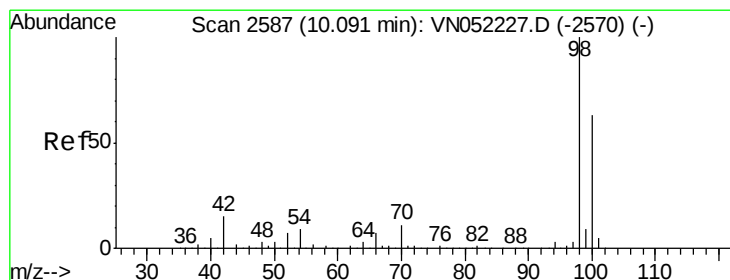
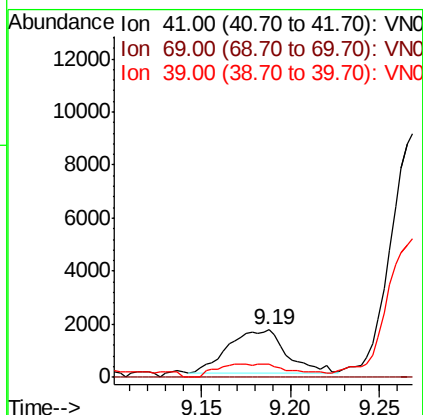
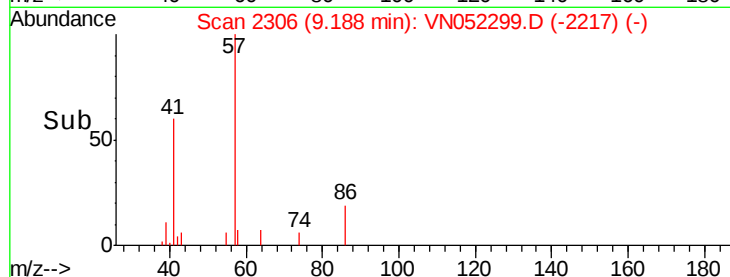
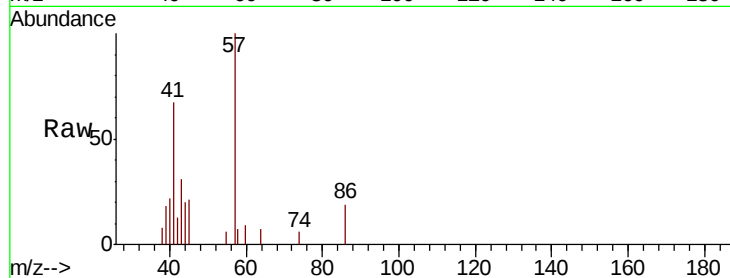




#48
Methvl methacrylate
Concen: 0.996 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.01 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

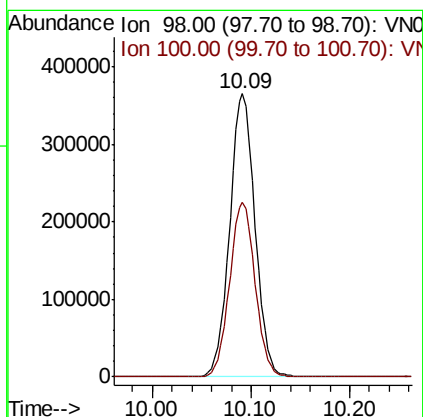
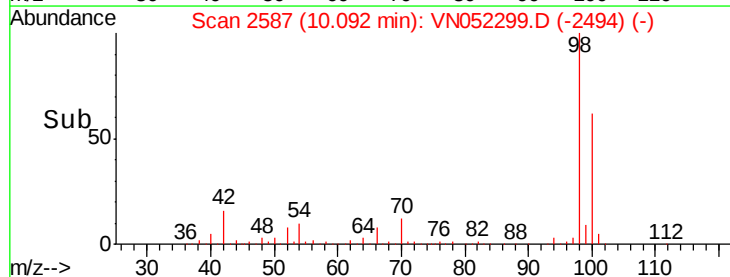
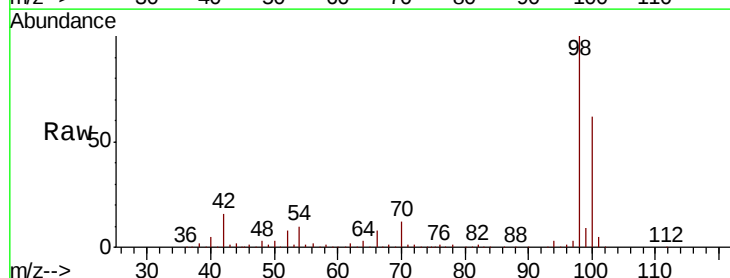
Instrument :
MSVOA_N
ClientSampled :

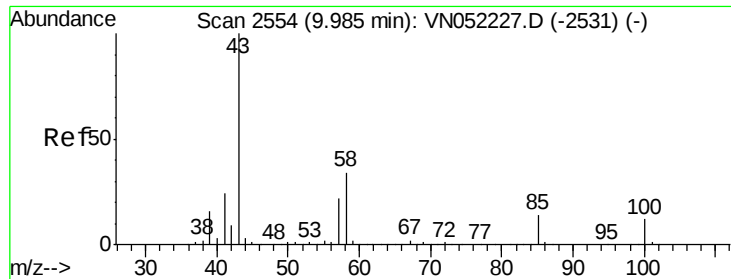
Tot Ion: 41 Resp: 3718
Ion Ratio Lower Upper
41 100
69 0.0 58.8 88.2#
39 19.0 50.7 76.1#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

Tgt Ion: 98 Resp: 654924
Ion Ratio Lower Upper
98 100
100 62.0 50.2 75.2





#51

4-Methyl-2-Pentanone

Concen: 0.263 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052299.D

Acq: 13 Nov 2018 20:50

Instrument :

MSVOA_N

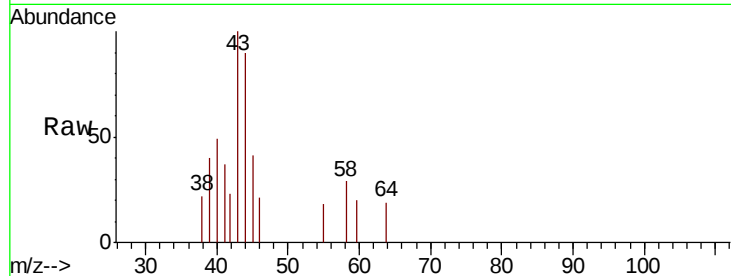
ClientSampled :

Tot Ion: 43 Resp: 1028

Ion Ratio Lower Upper

43 100

58 27.4 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

2500

2000

1500

1000

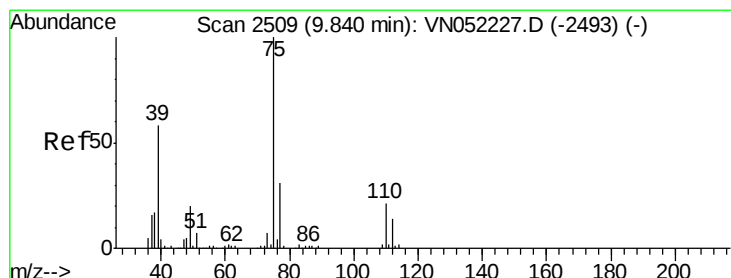
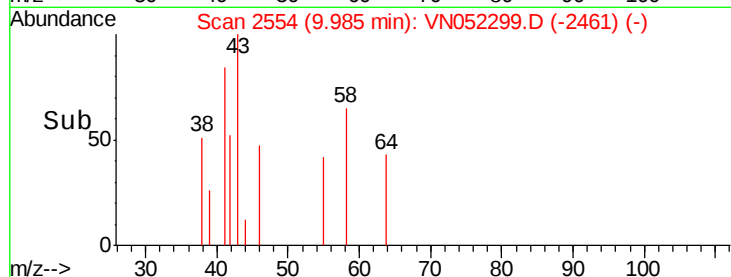
500

0

9.95

10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.346 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052299.D

Acq: 13 Nov 2018 20:50

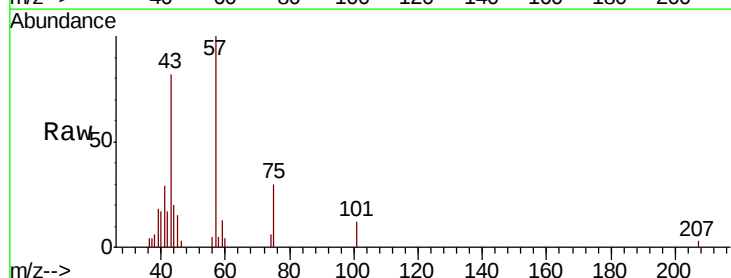
Tgt Ion: 75 Resp: 2076

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 42.8 46.6 70.0#



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

1500

1000

500

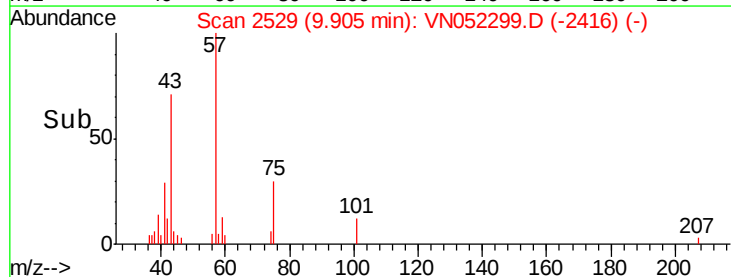
0

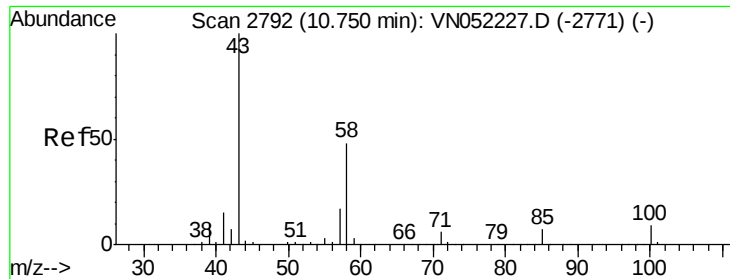
9.85

9.90

9.95

Time-->

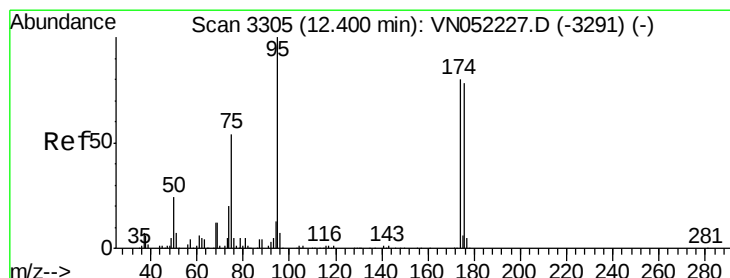
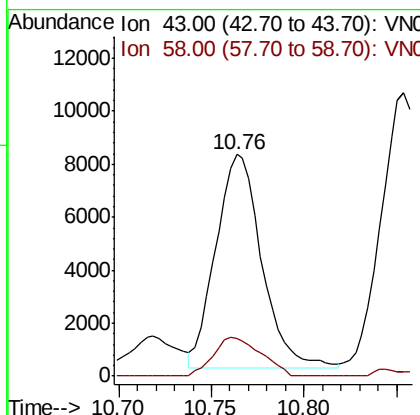
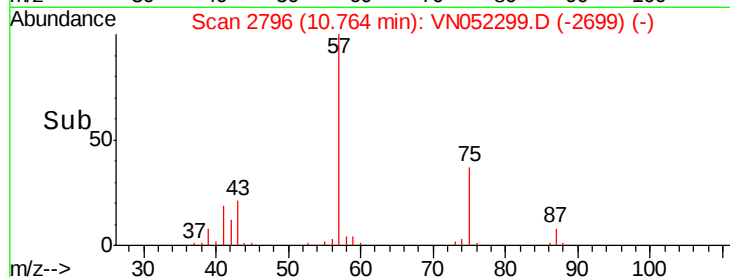
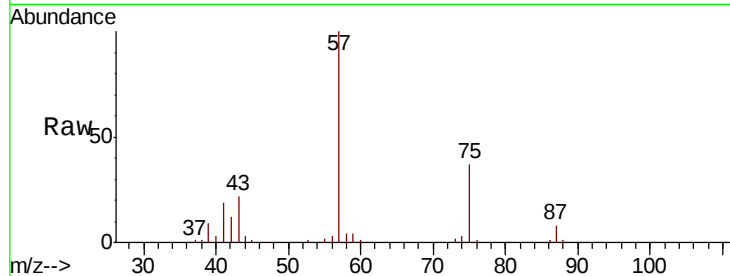




#59
2-Hexanone
Concen: 5.071 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

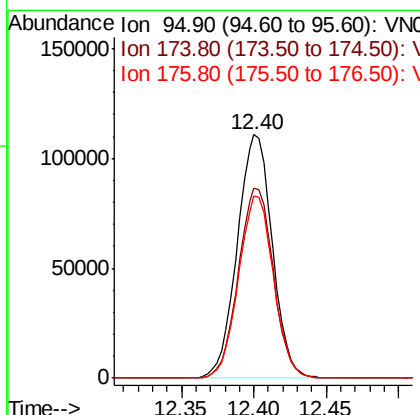
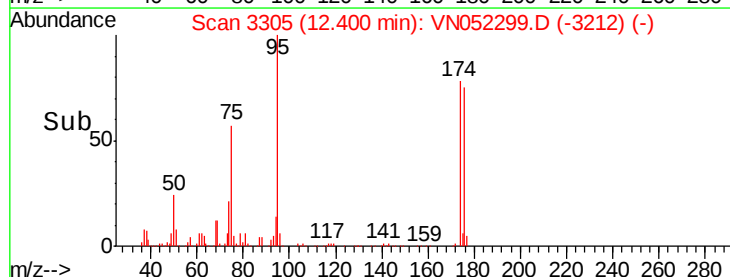
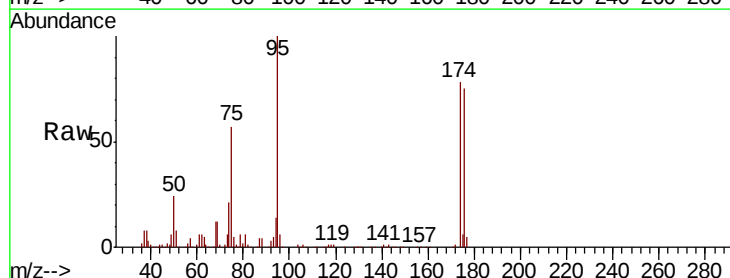
Instrument :
MSVOA_N
ClientSampled :

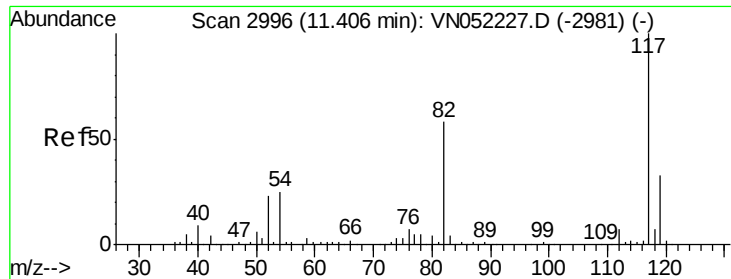
Tot Ion: 43 Resp: 13933
Ion Ratio Lower Upper
43 100
58 18.7 24.1 72.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

Tgt Ion: 95 Resp: 185568
Ion Ratio Lower Upper
95 100
174 78.0 0.0 159.4
176 74.9 0.0 157.8

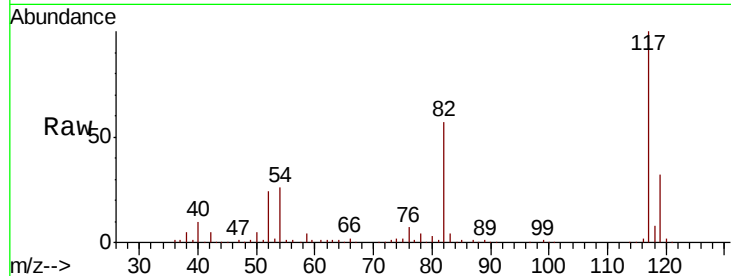




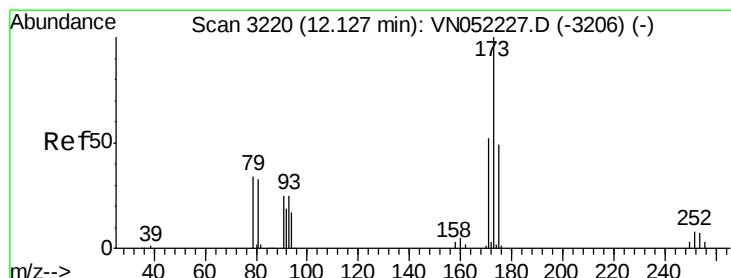
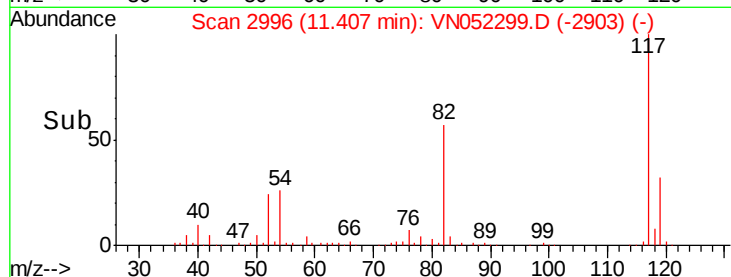
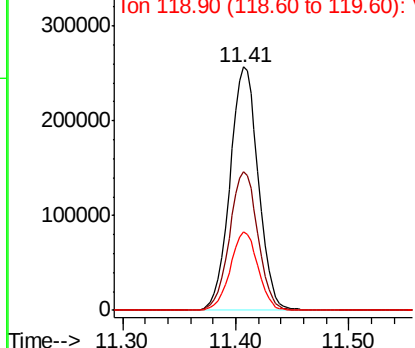
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 445953
Ion Ratio Lower Upper
117 100
82 57.0 46.2 69.2
119 32.0 26.2 39.4

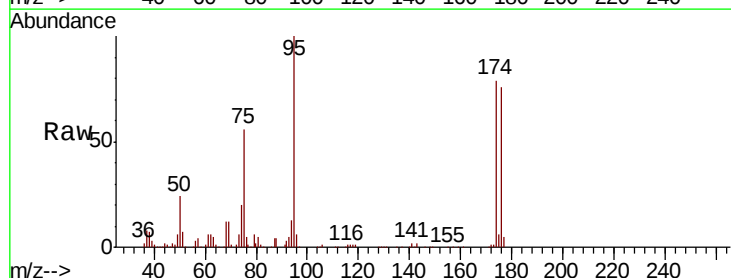


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

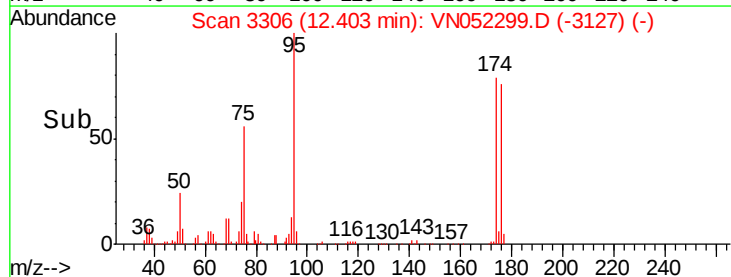
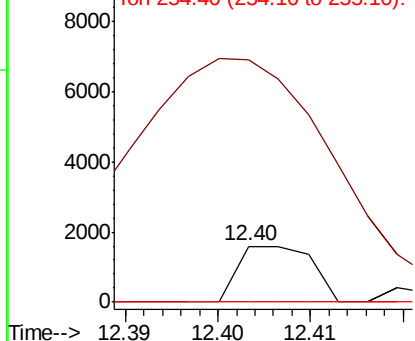


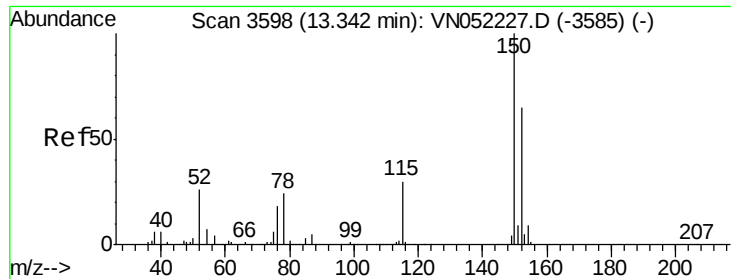
#71
Bromoform
Concen: 0.459 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052299.D
Acq: 13 Nov 2018 20:50

Tgt Ion:173 Resp: 877
Ion Ratio Lower Upper
173 100
175 1188.5 24.5 73.5#
254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052299.D

Acq: 13 Nov 2018 20:50

Instrument :

MSVOA_N

ClientSampleId :

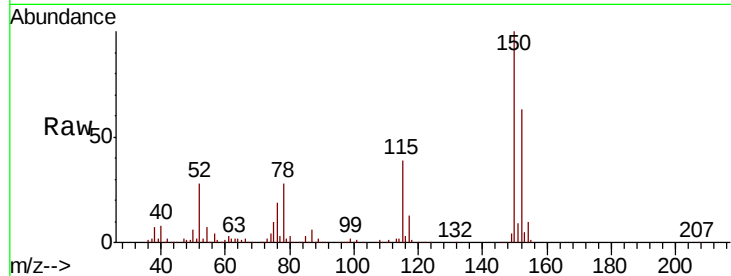
Tot Ion:152 Resp: 153443

Ion Ratio Lower Upper

152 100

115 61.9 29.8 89.5

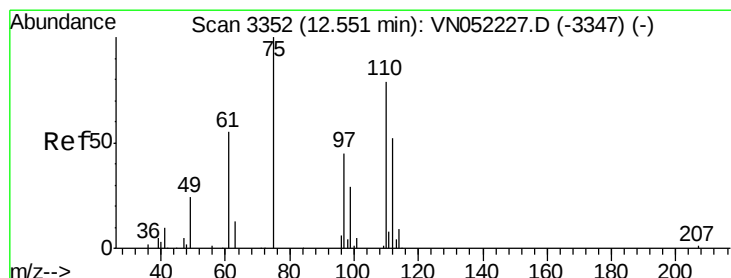
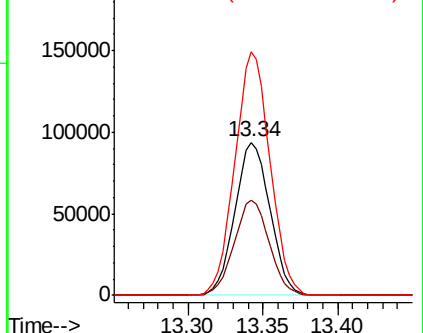
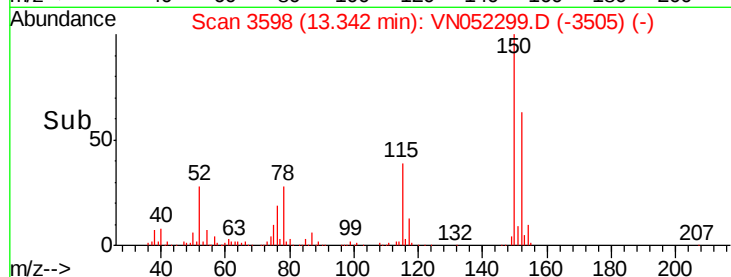
150 159.1 0.0 350.2



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



#76

1,2,3-Trichloropropane

Concen: 38.862 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052299.D

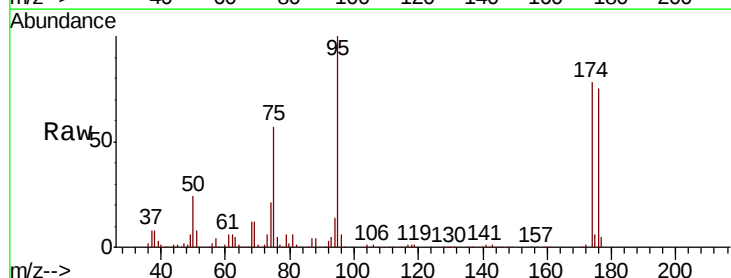
Acq: 13 Nov 2018 20:50

Tgt Ion: 75 Resp: 105503

Ion Ratio Lower Upper

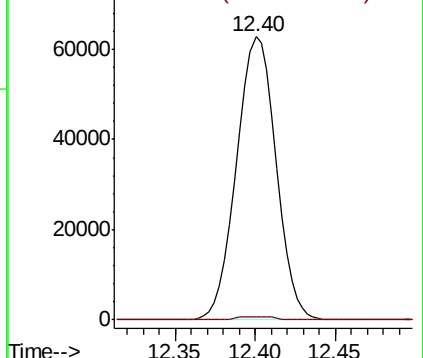
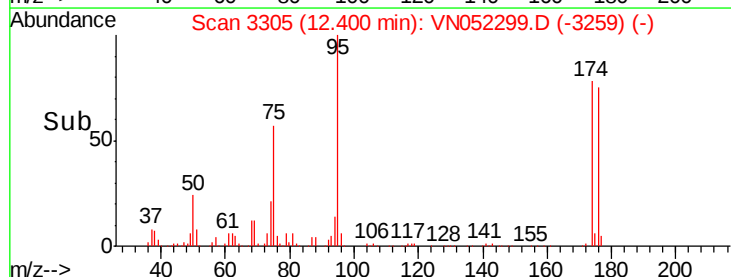
75 100

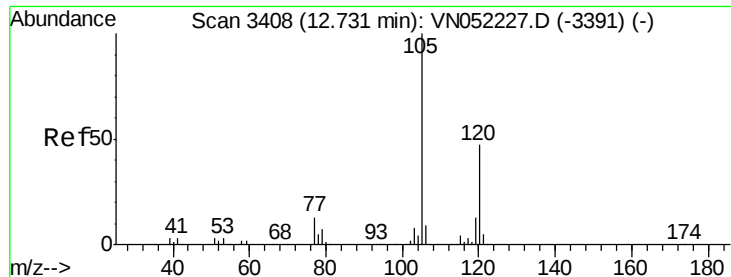
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.218 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052299.D

Acq: 13 Nov 2018 20:50

Instrument :

MSVOA_N

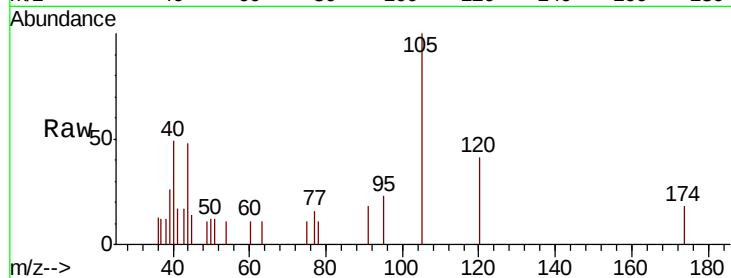
ClientSampleId :

Tot Ion:105 Resp: 2175

Ion Ratio Lower Upper

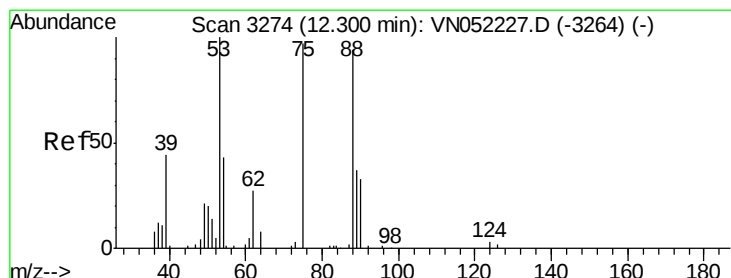
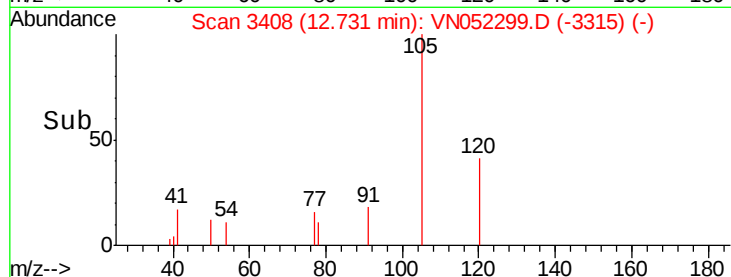
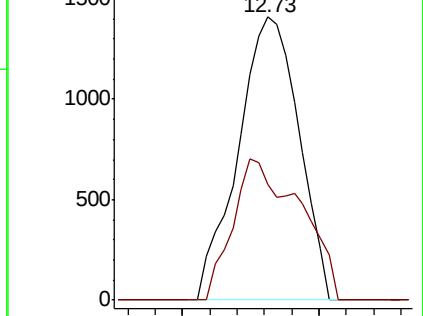
105 100

120 55.6 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 132.654 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052299.D

Acq: 13 Nov 2018 20:50

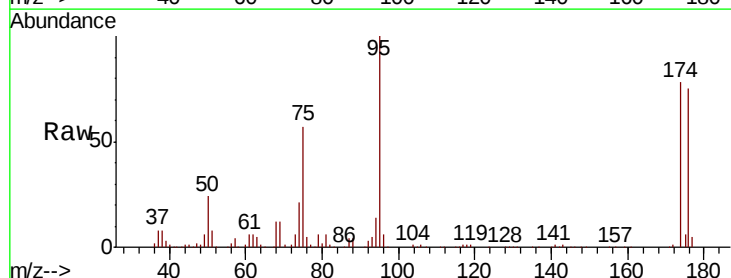
Tgt Ion: 75 Resp: 105503

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 33.7 50.5#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

