

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
 Data File : VN052975.D
 Acq On : 18 Dec 2018 22:25
 Operator : MD\SY
 Sample : VN1218WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBL01

Quant Time: Dec 19 03:51:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1457912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2215663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1941436	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	746110	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	711106	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
35) Dibromofluoromethane	7.59	113	527785	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
50) Toluene-d8	10.09	98	2685534	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	858263	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	

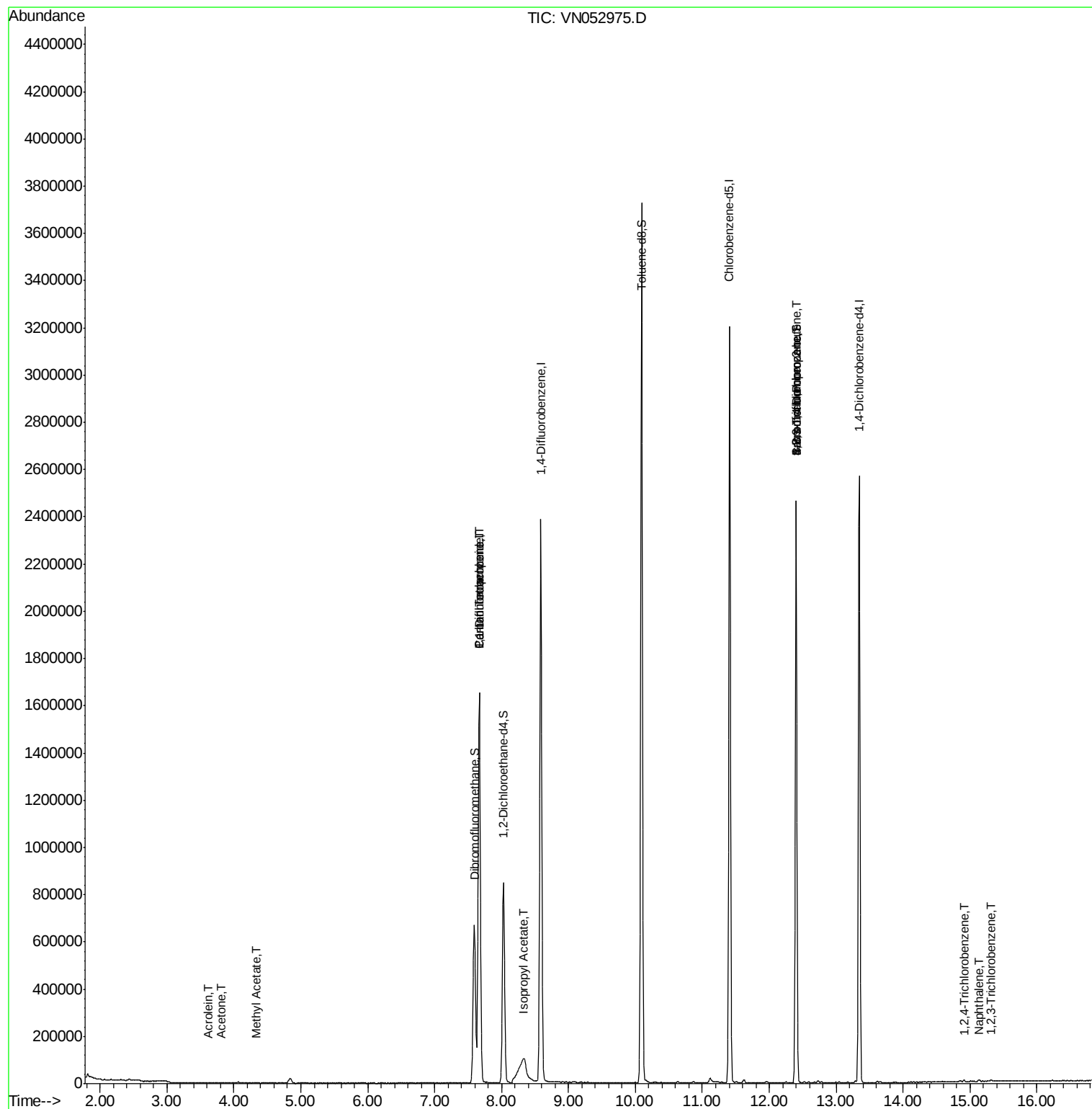
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	626	0.765	ug/l #	71
16) Acetone	3.82	43	2076	0.716	ug/l #	82
18) Methyl Acetate	4.33	43	4346	1.315	ug/l #	67
31) Cyclohexane	7.66	56	24337	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	95225	4.478	ug/l #	49
38) Carbon Tetrachloride	7.67	117	126306	6.480	ug/l #	15
43) Isopropyl Acetate	8.33	43	298917	12.222	ug/l #	53
71) Bromoform	12.40	173	5302	0.490	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	400187	31.862	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	400187	102.695	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	2507	0.781	ug/l	96
94) Hexachlorobutadiene	15.01	225	719	Below Cal		82
95) Naphthalene	15.13	128	8101	1.416	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.32	180	3437	0.790	ug/l	78

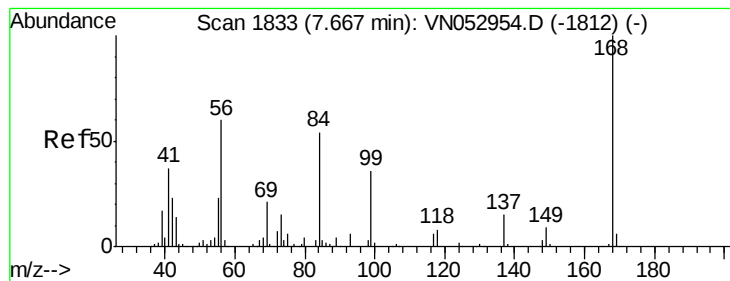
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121818\
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ClientSampleId :
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Quant Time: Dec 19 03:51:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 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: VN052975.D

Acq: 18 Dec 2018 22:25

Instrument :

MSVOA_N

ClientSampleId :

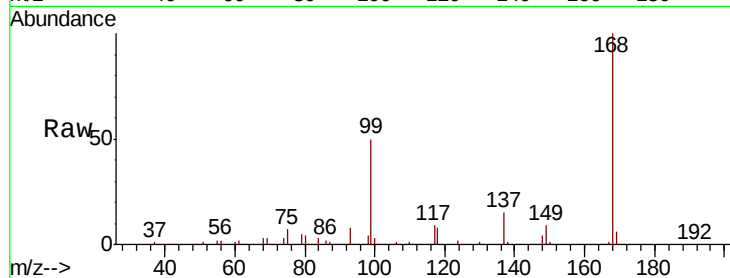
VN1218WBL01

Tot Ion:168 Resp: 1457912

Ion Ratio Lower Upper

168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

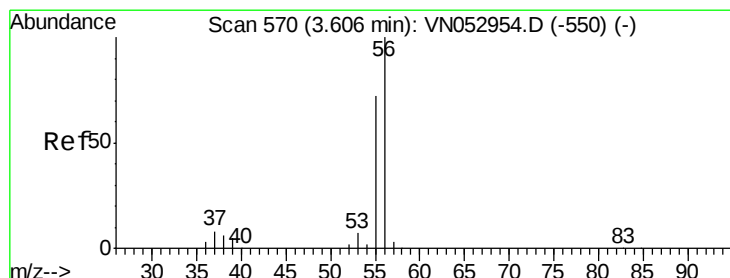
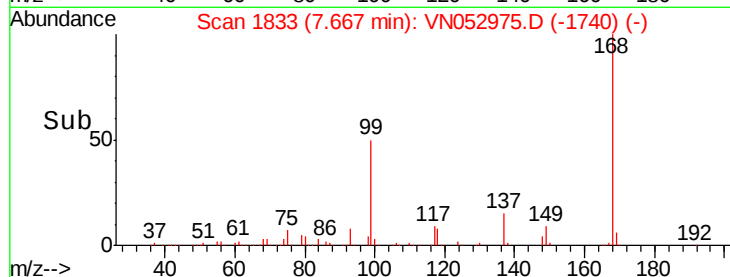
600000

400000

200000

0

Time-->



#13

Acrolein

Concen: 0.765 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN052975.D

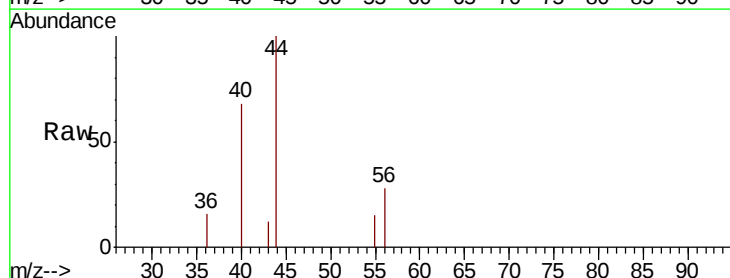
Acq: 18 Dec 2018 22:25

Tgt Ion: 56 Resp: 626

Ion Ratio Lower Upper

56 100

55 94.7 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.62

500

400

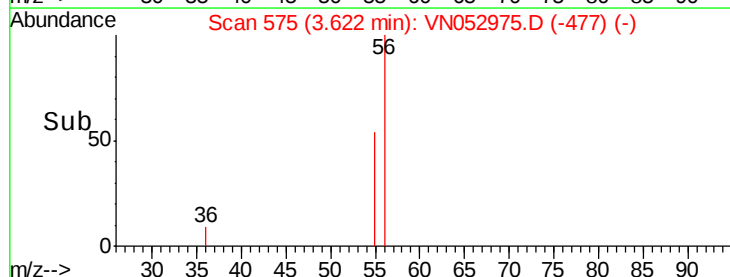
300

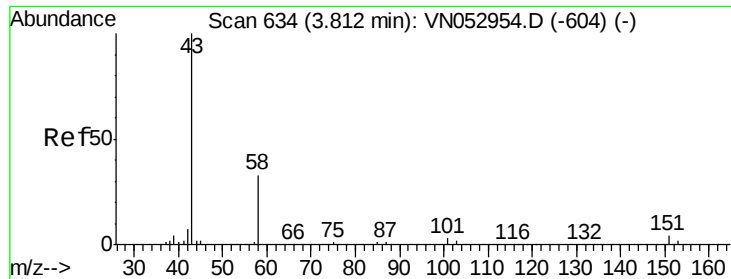
200

100

0

Time-->





#16

Acetone

Concen: 0.716 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

Instrument :

MSVOA_N

ClientSampleId :

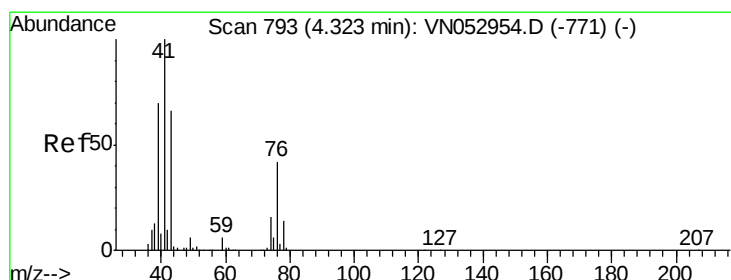
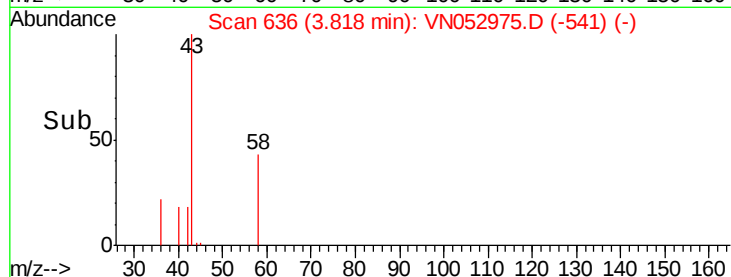
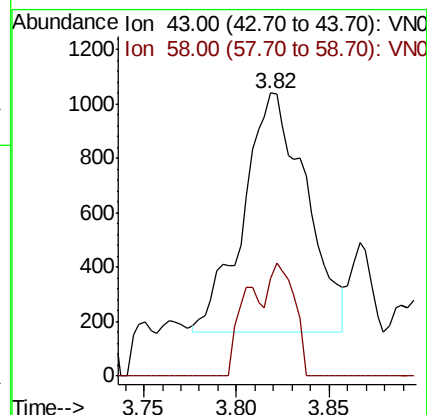
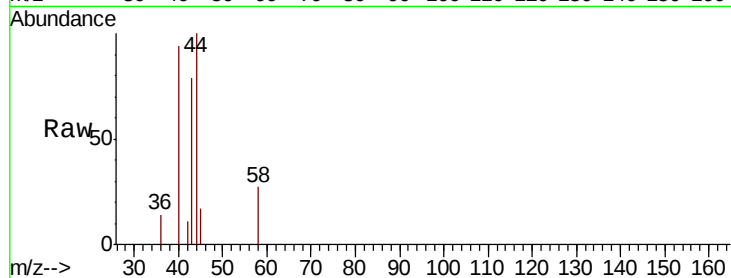
VN1218WBL01

Tot Ion: 43 Resp: 2076

Ion Ratio Lower Upper

43 100

58 41.8 25.4 38.0#



#18

Methyl Acetate

Concen: 1.315 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN052975.D

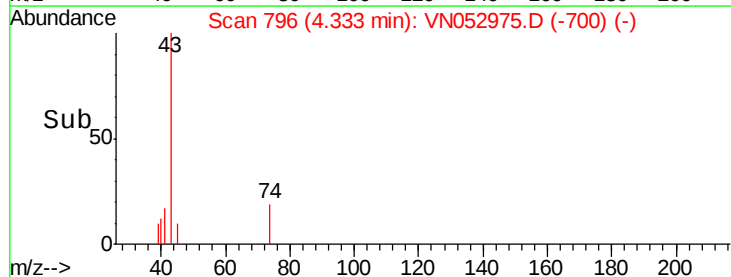
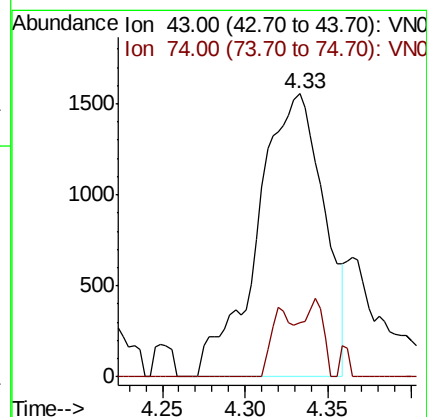
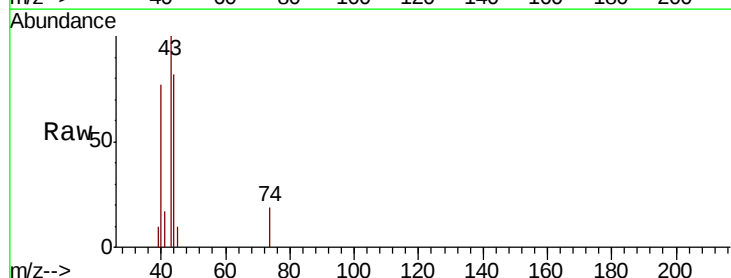
Acq: 18 Dec 2018 22:25

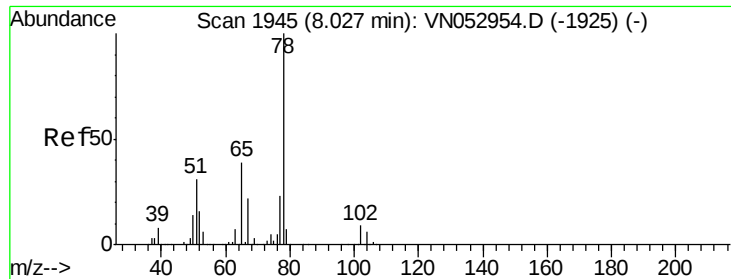
Tgt Ion: 43 Resp: 4346

Ion Ratio Lower Upper

43 100

74 7.5 19.2 28.8#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

Instrument :

MSVOA_N

ClientSampleId :

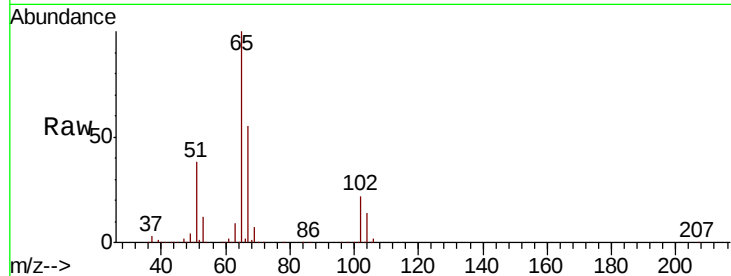
VN1218WBL01

Tot Ion: 65 Resp: 711106

Ion Ratio Lower Upper

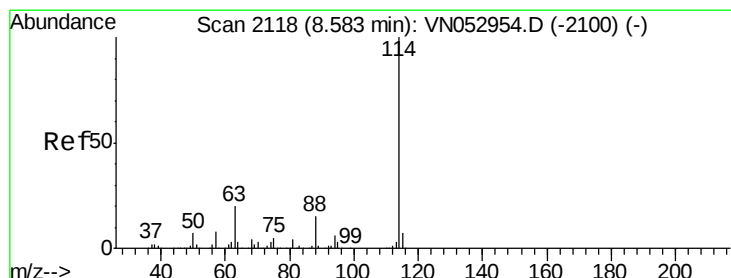
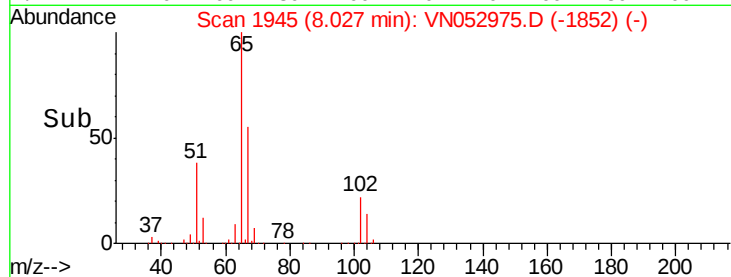
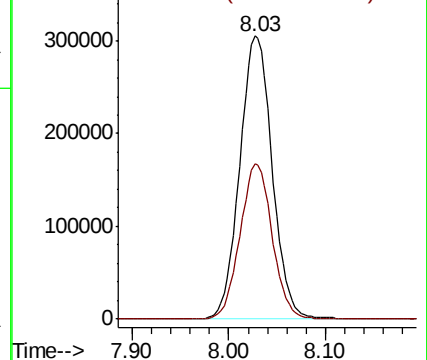
65 100

67 54.4 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN052975.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN052975.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

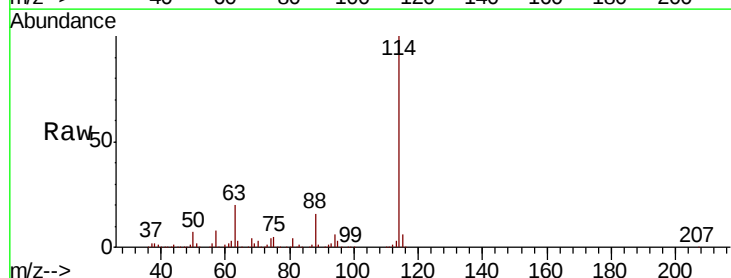
Tgt Ion:114 Resp: 2215663

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

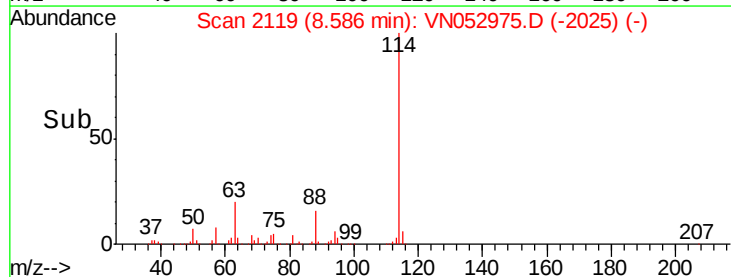
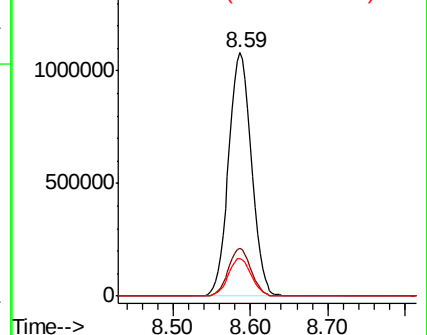
88 15.6 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN052975.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN052975.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN052975.D (-2025) (-)

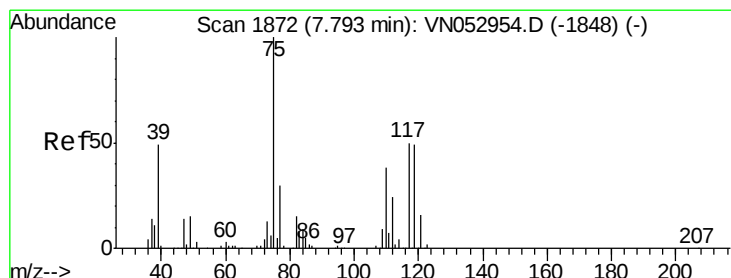
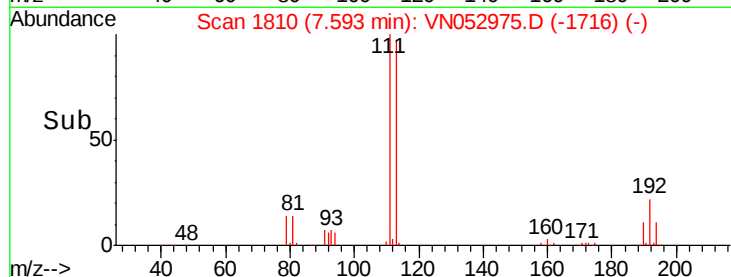
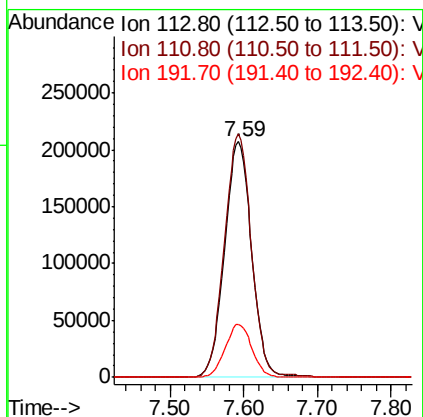
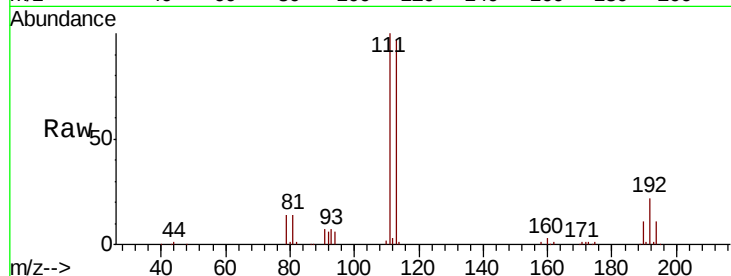




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052975.D
 Acq: 18 Dec 2018 22:25

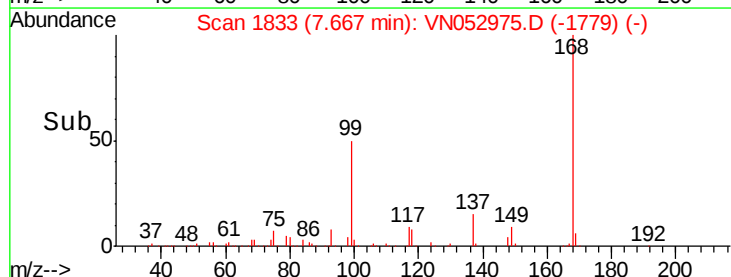
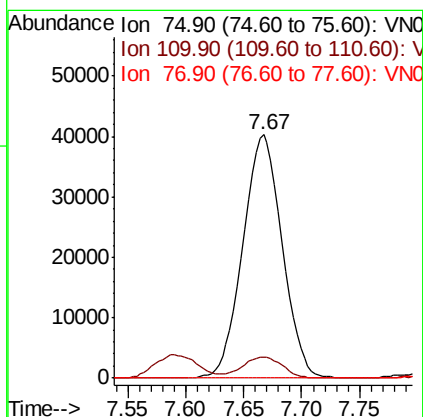
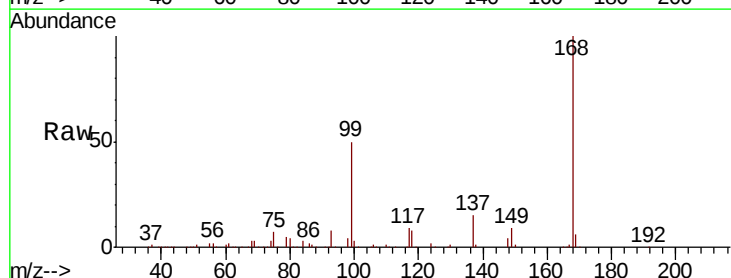
Instrument :
 MSVOA_N
 ClientSampled :
 VN1218WBL01

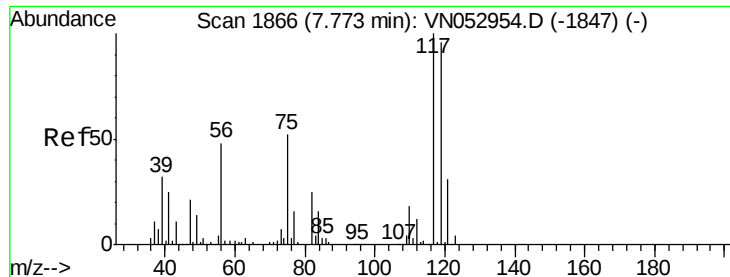
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.0	124.4
192	22.2	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.478 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052975.D
 Acq: 18 Dec 2018 22:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.480 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

Instrument :

MSVOA_N

ClientSampled :

VN1218WBL01

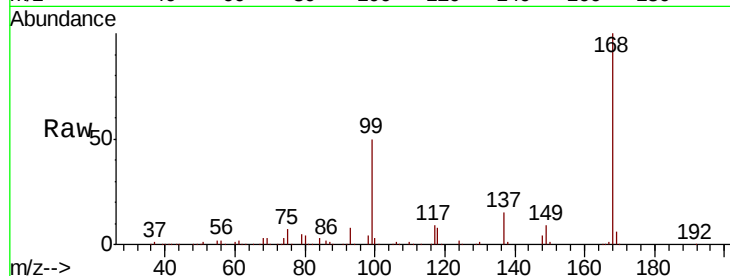
Tot Ion:117 Resp: 126306

Ion Ratio Lower Upper

117 100

119 4.7 77.1 115.7#

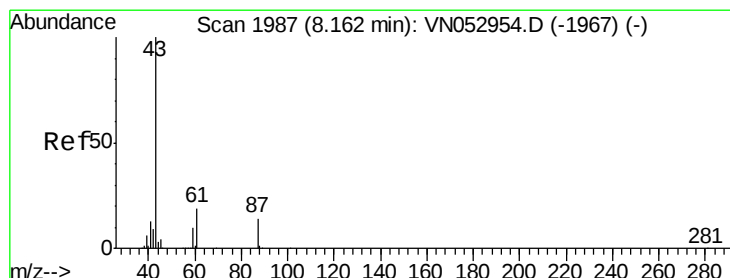
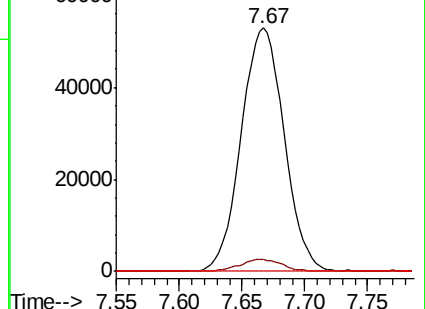
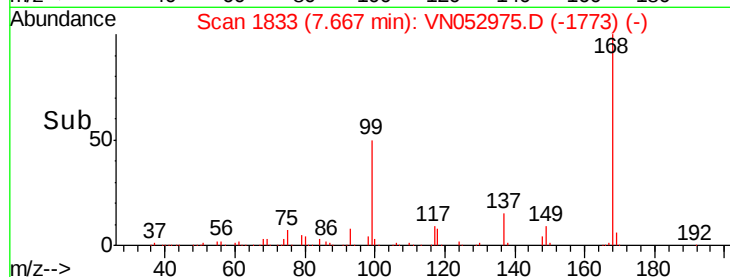
121 0.0 24.9 37.3#



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: 12.222 ug/l

RT: 8.33 min Scan# 2039

Delta R.T. 0.17 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

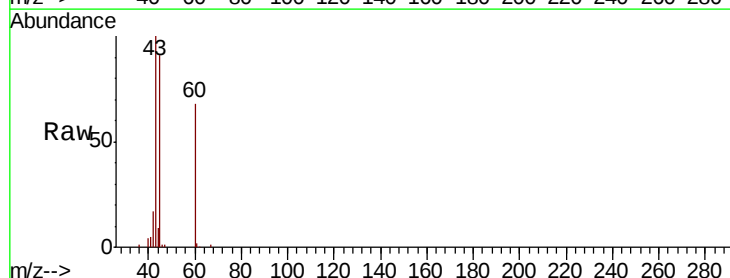
Tgt Ion: 43 Resp: 298917

Ion Ratio Lower Upper

43 100

61 0.2 22.9 34.3#

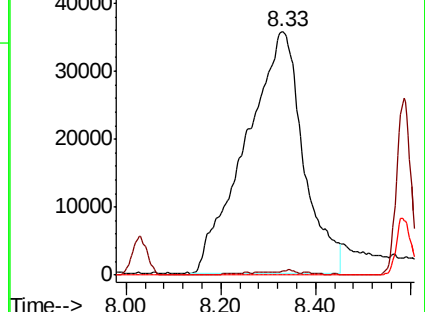
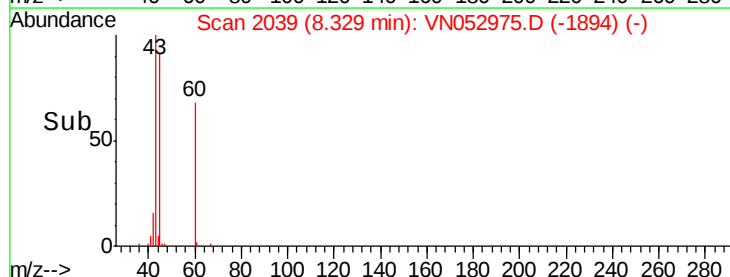
87 0.0 10.6 15.8#

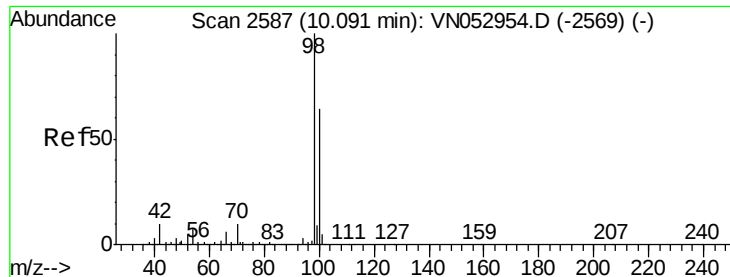


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

Instrument :

MSVOA_N

ClientSampleId :

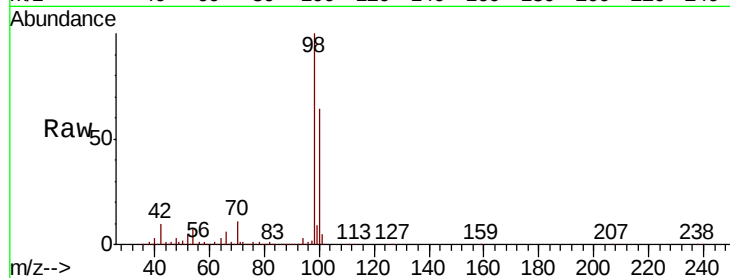
VN1218WBL01

Tot Ion: 98 Resp: 2685534

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052975.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052975.D (-2494) (-)

10.09

1500000

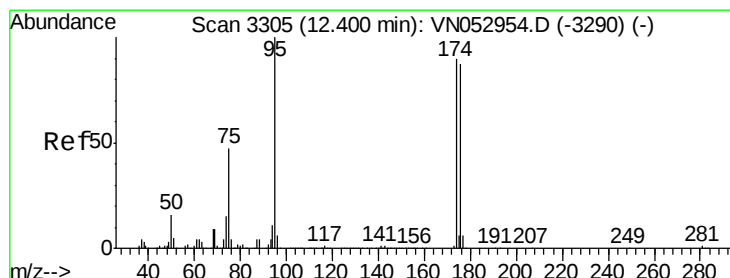
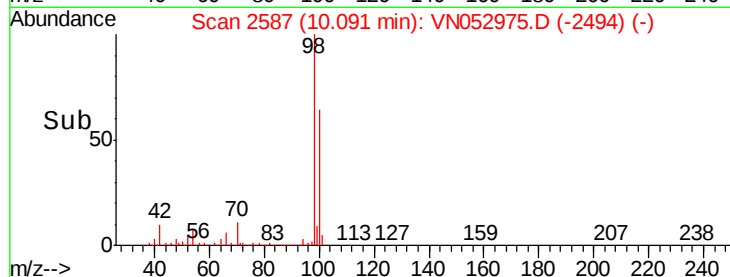
1000000

500000

0

Time-->

10.00 10.10 10.20 10.30



#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

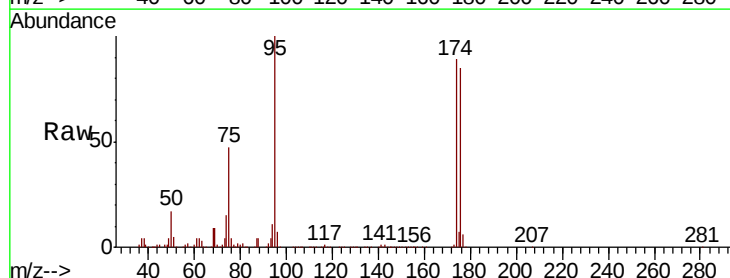
Tgt Ion: 95 Resp: 858263

Ion Ratio Lower Upper

95 100

174 89.7 0.0 178.8

176 87.1 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052975.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN052975.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN052975.D (-3212) (-)

12.40

600000

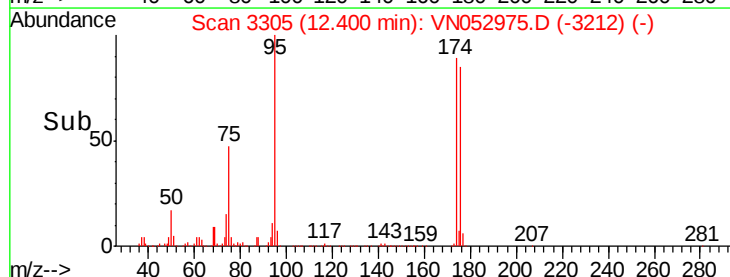
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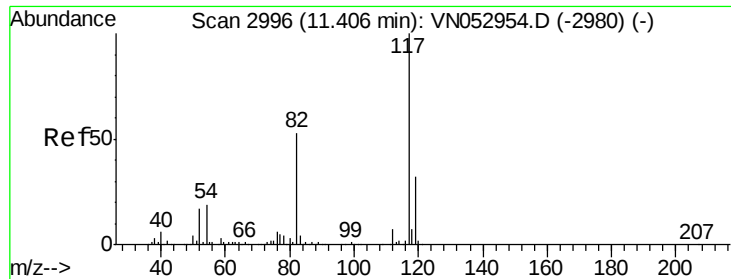
200000

0

Time-->

12.30 12.40 12.50

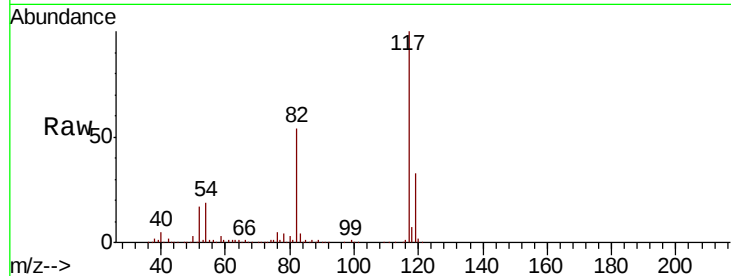




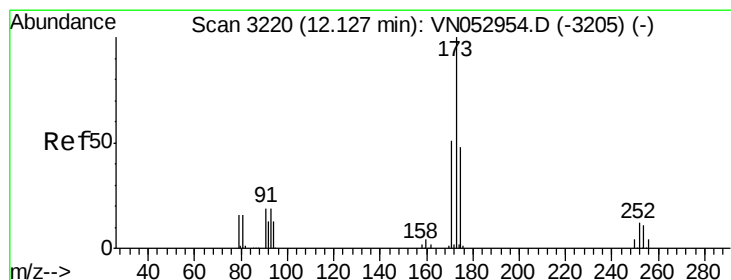
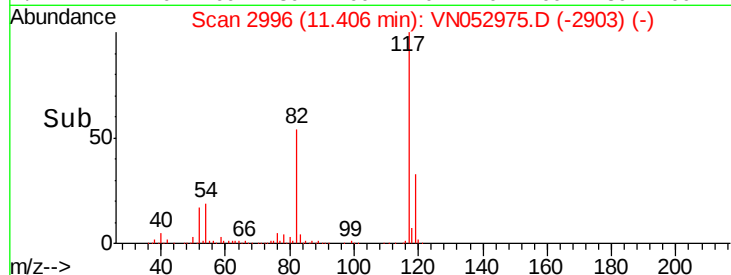
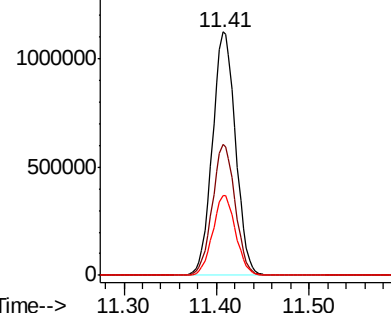
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052975.D
Acq: 18 Dec 2018 22:25

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBL01

Tot Ion:117 Resp: 1941436
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 32.7 25.5 38.3

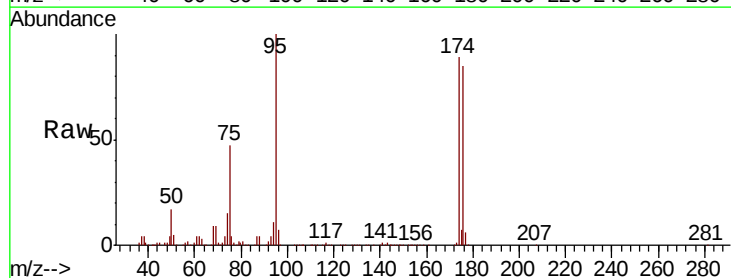


Abundance Ion 116.90 (116.60 to 117.60): V
1500000 Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

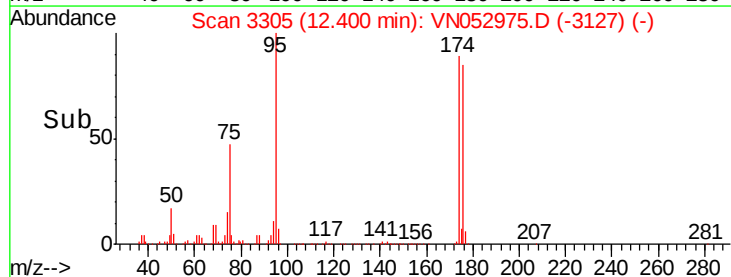
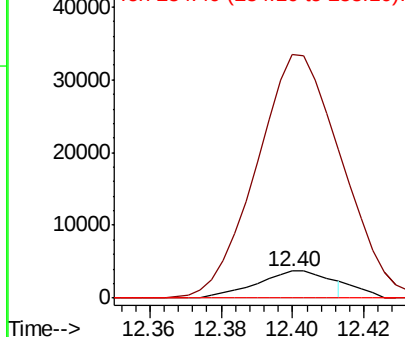


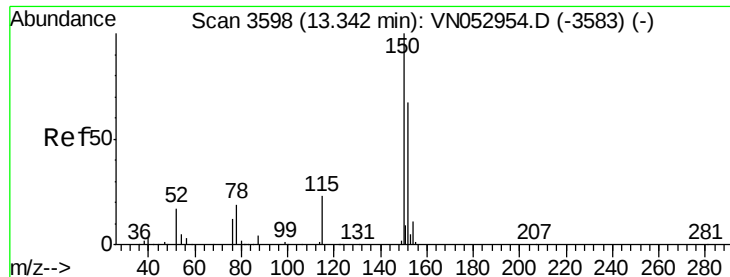
#71
Bromoform
Concen: 0.490 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052975.D
Acq: 18 Dec 2018 22:25

Tgt Ion:173 Resp: 5302
Ion Ratio Lower Upper
173 100
175 899.2 24.3 72.9#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
40000 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBL01

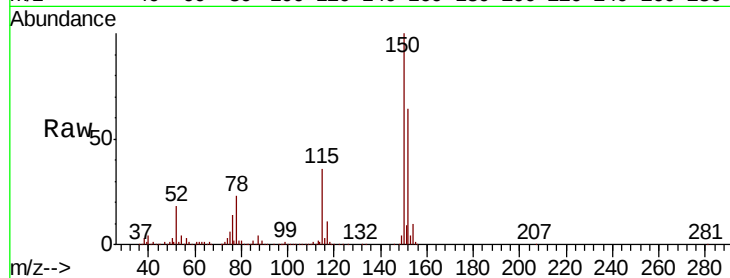
Tot Ion:152 Resp: 746110

Ion Ratio Lower Upper

152 100

115 56.5 28.3 85.0

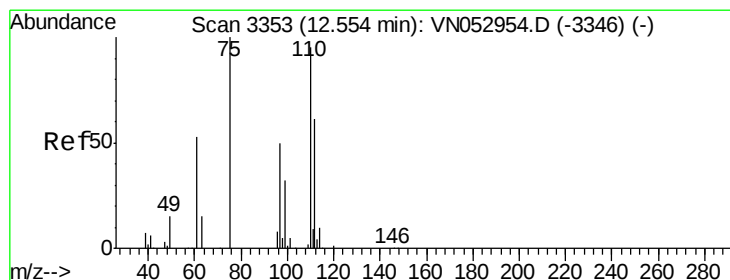
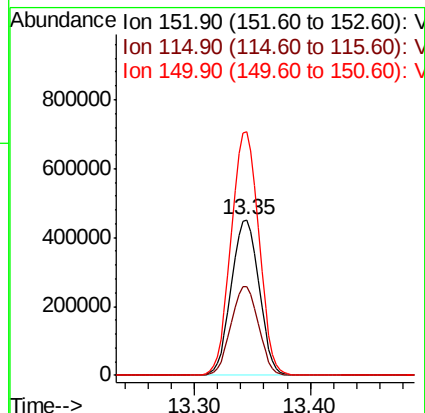
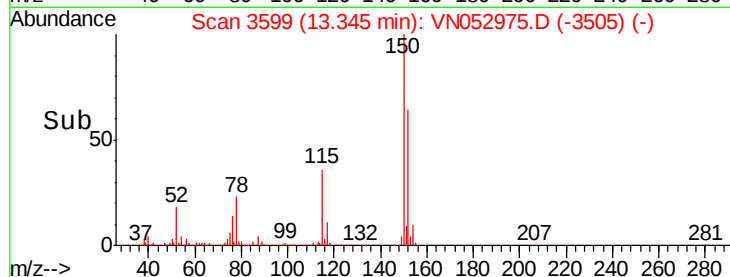
150 156.5 0.0 347.8



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: 31.862 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052975.D

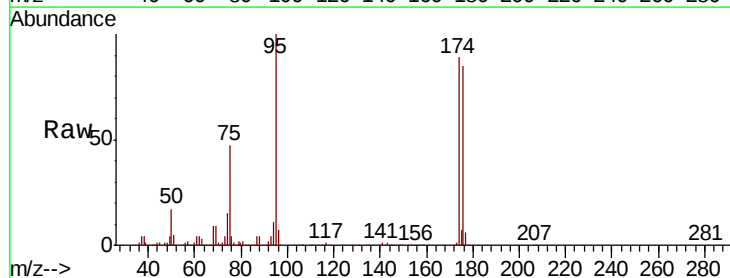
Acq: 18 Dec 2018 22:25

Tgt Ion: 75 Resp: 400187

Ion Ratio Lower Upper

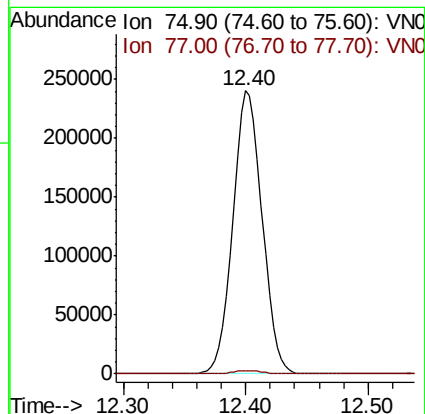
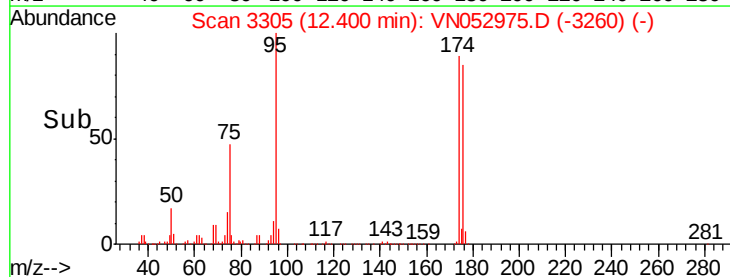
75 100

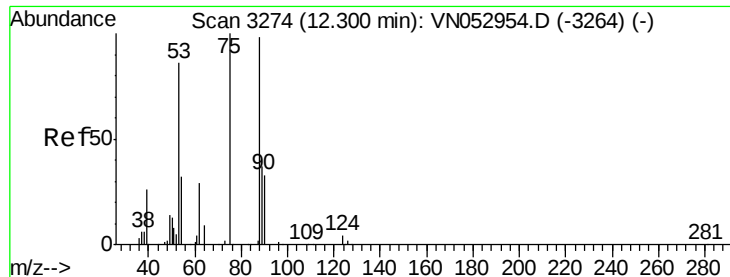
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 102.695 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBL01

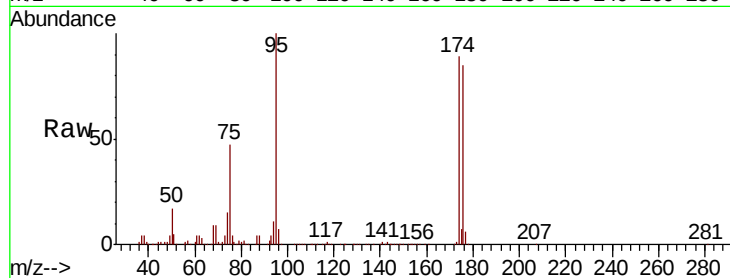
Tot Ion: 75 Resp: 400187

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

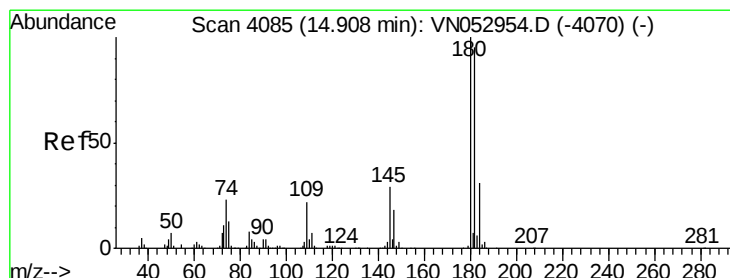
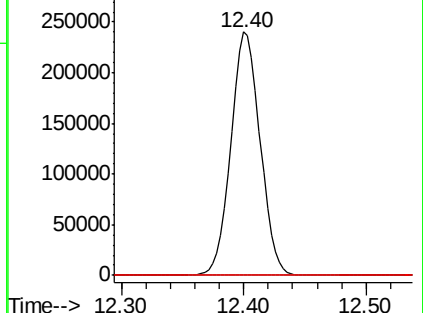
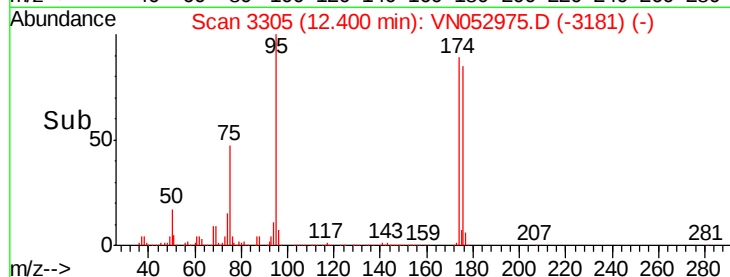
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN052975.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052975.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052975.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.781 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

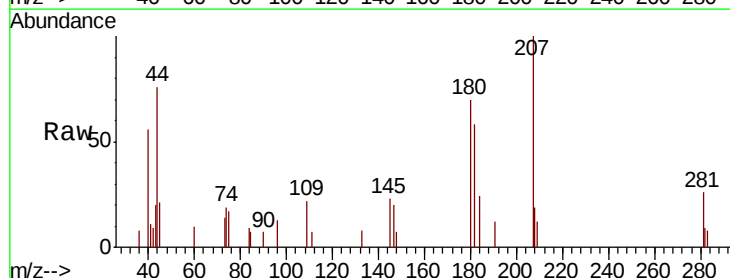
Tgt Ion:180 Resp: 2507

Ion Ratio Lower Upper

180 100

182 90.7 47.8 143.3

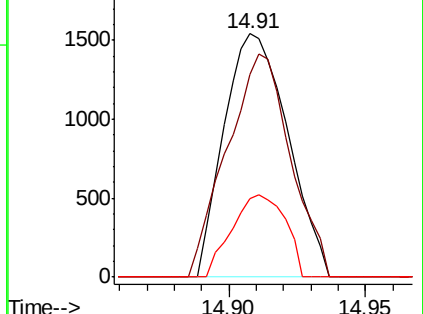
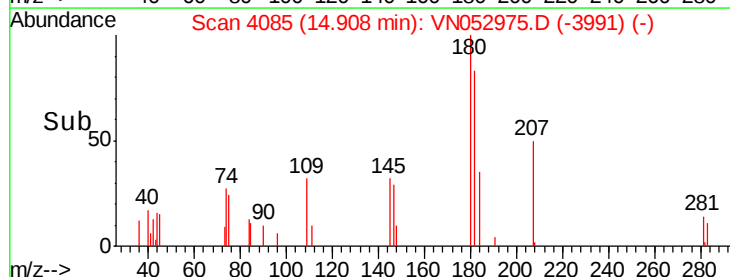
145 28.3 14.2 42.6

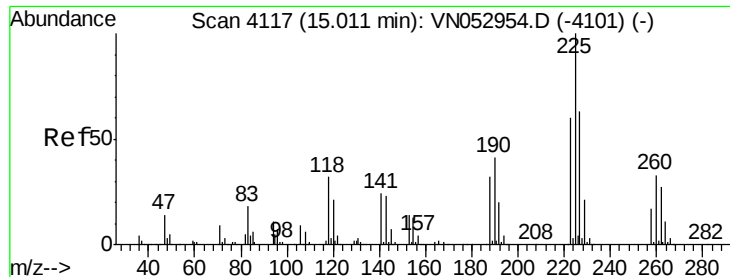


Abundance Ion 179.80 (179.50 to 180.50): VN052975.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN052975.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN052975.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBL01

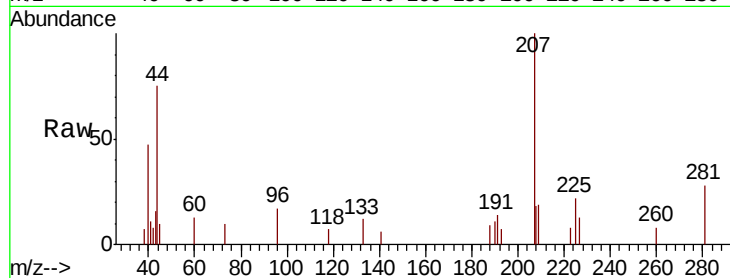
Tot Ion:225 Resp: 719

Ion Ratio Lower Upper

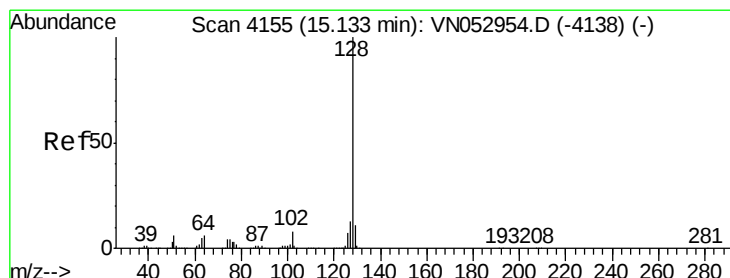
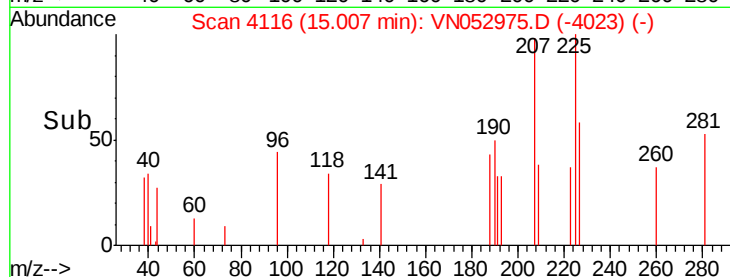
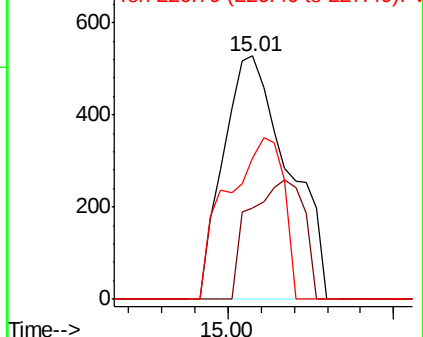
225 100

223 41.0 31.5 94.5

227 57.7 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.416 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

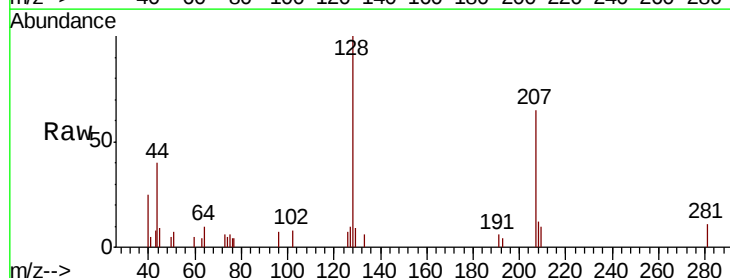
Tgt Ion:128 Resp: 8101

Ion Ratio Lower Upper

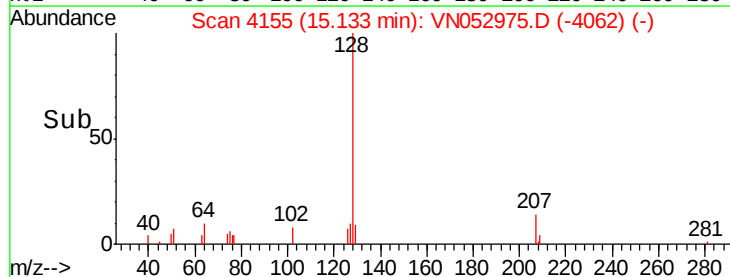
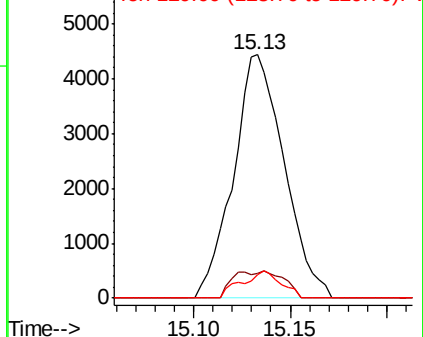
128 100

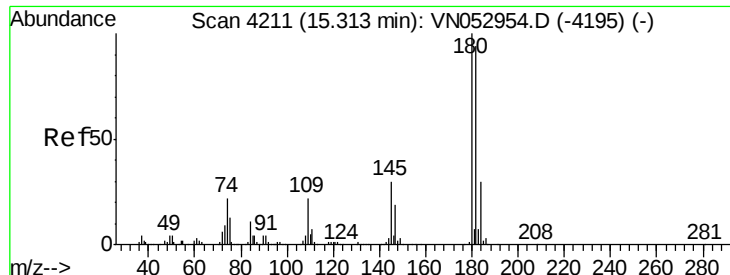
127 4.6 10.2 15.4#

129 8.7 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: 0.790 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN052975.D

Acq: 18 Dec 2018 22:25

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBL01

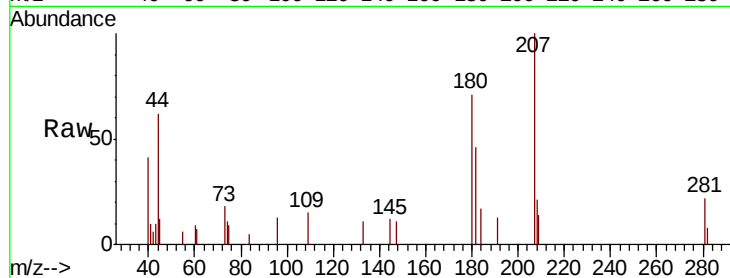
Tot Ion:180 Resp: 3437

Ion Ratio Lower Upper

180 100

182 74.3 47.9 143.7

145 18.3 15.0 45.0



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

