

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053475.D
 Acq On : 18 Jan 2019 16:37
 Operator : JC/SP
 Sample : K1199-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW520-4246

Quant Time: Jan 19 00:22:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	847556	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1325653	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1228975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	520381	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	431037	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
35) Dibromofluoromethane	7.59	113	391846	51.79	ug/l	0.00
Spiked Amount			Recovery	=	103.58%	
50) Toluene-d8	10.09	98	1634232	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.40	95	545082	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	

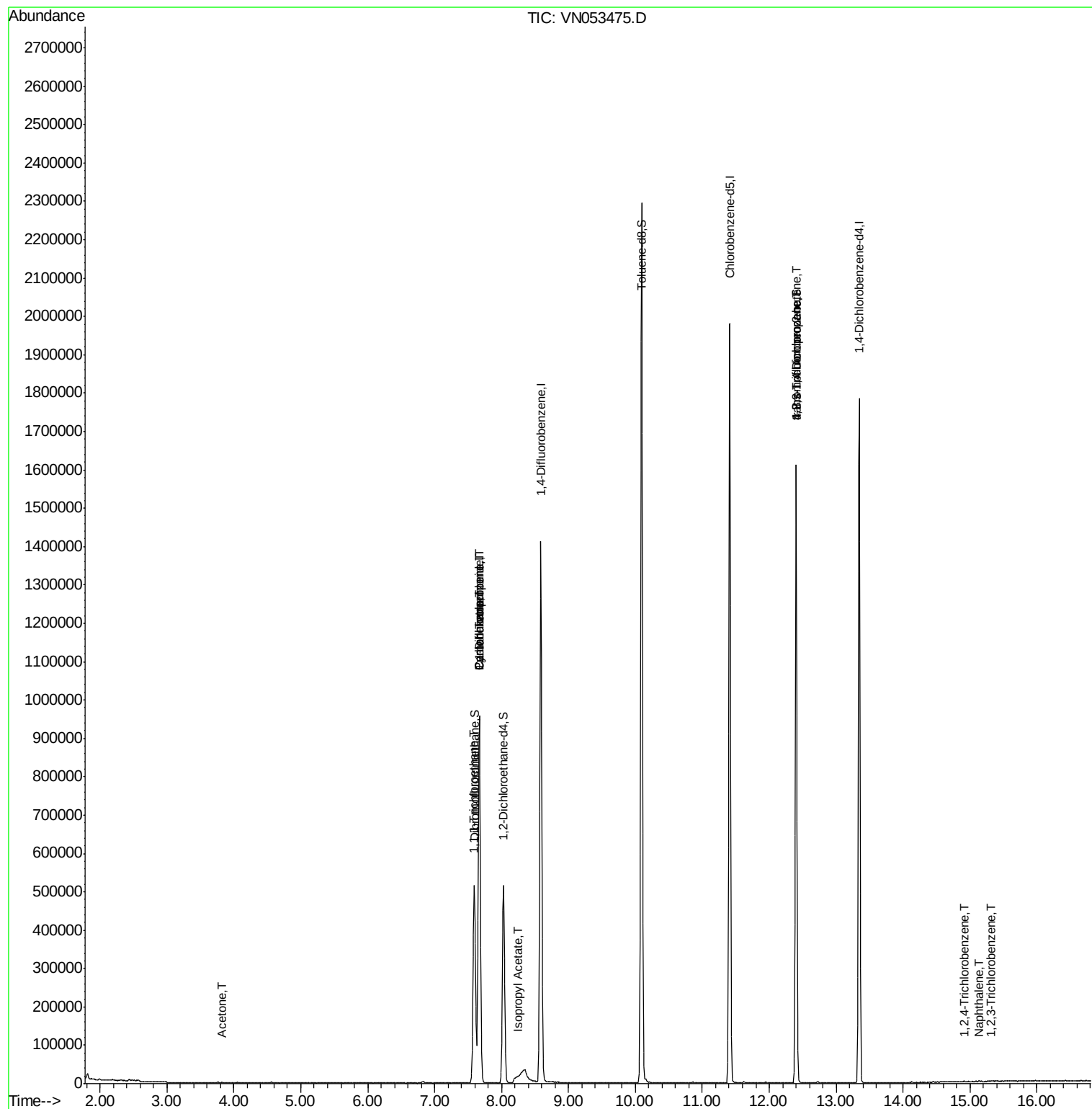
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	3986	2.028	ug/l #	72
31) Cyclohexane	7.67	56	13638	0.706	ug/l #	1
32) 1,1,1-Trichloroethane	7.58	97	8080	0.646	ug/l #	48
36) 1,1-Dichloropropene	7.67	75	54049	4.477	ug/l #	49
38) Carbon Tetrachloride	7.67	117	72322	6.327	ug/l #	15
43) Isopropyl Acetate	8.23	43	16890	1.352	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	256446	37.396	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	256446	92.378	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.90	180	140	2.785	ug/l #	73
95) Naphthalene	15.13	128	612	3.984	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	378	3.971	ug/l #	35

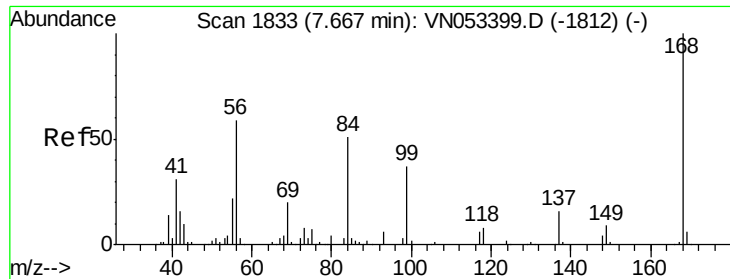
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

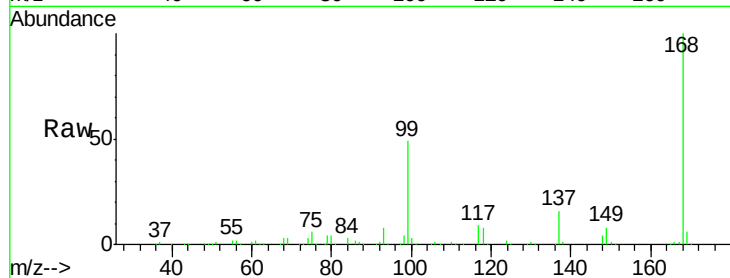
SA-TW520-4246

Tot Ion:168 Resp: 847556

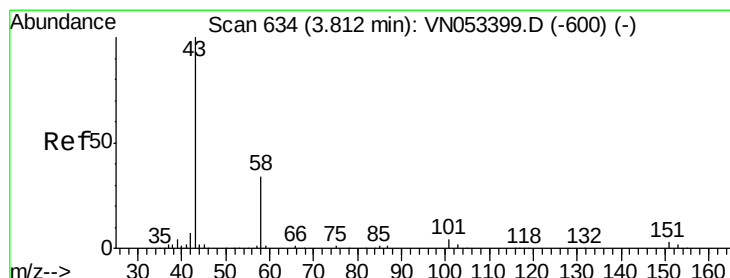
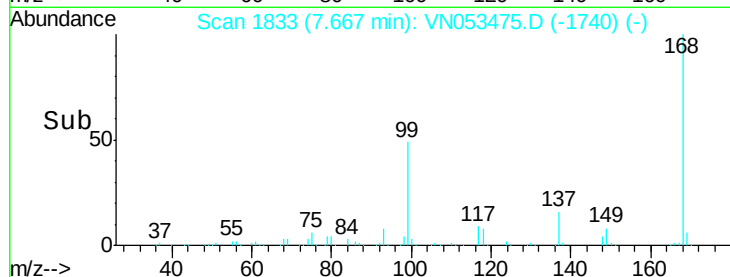
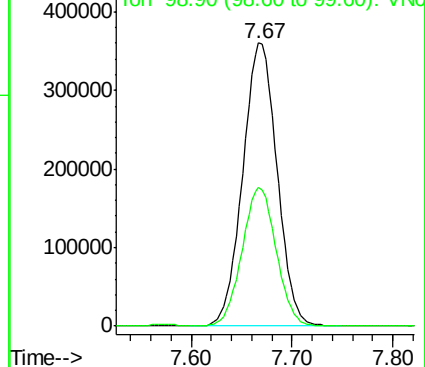
Ion Ratio Lower Upper

168 100

99 49.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)



#16

Acetone

Concen: 2.028 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053475.D

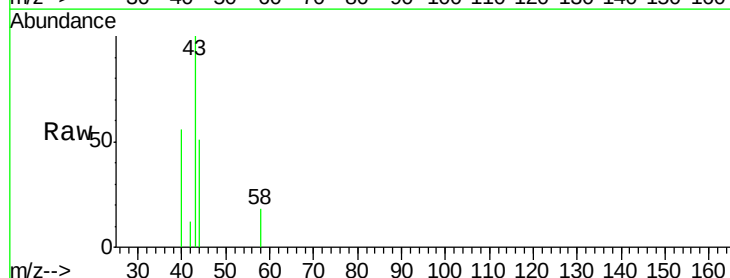
Acq: 18 Jan 2019 16:37

Tgt Ion: 43 Resp: 3986

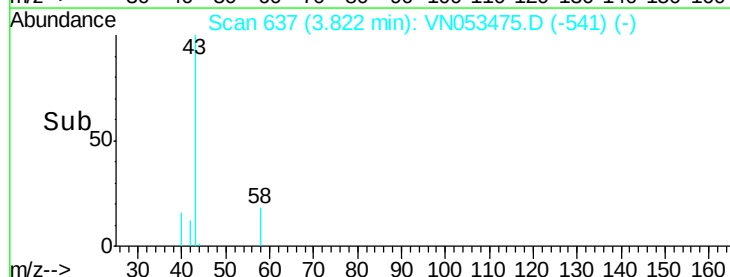
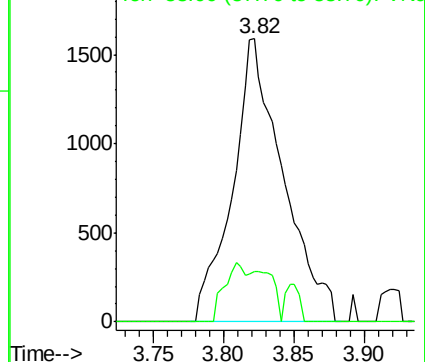
Ion Ratio Lower Upper

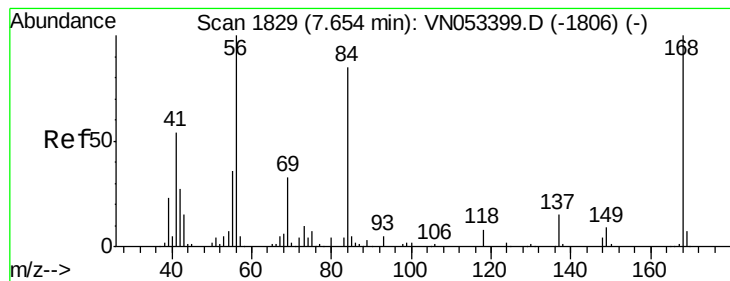
43 100

58 18.0 27.1 40.7#



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)





#31

Cyclohexane

Concen: 0.706 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

SA-TW520-4246

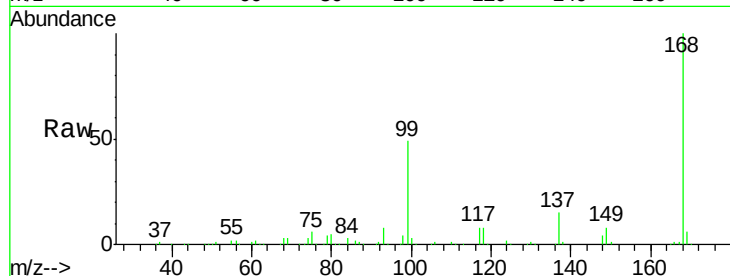
Tot Ion: 56 Resp: 13638

Ion Ratio Lower Upper

56 100

69 199.2 26.4 39.6#

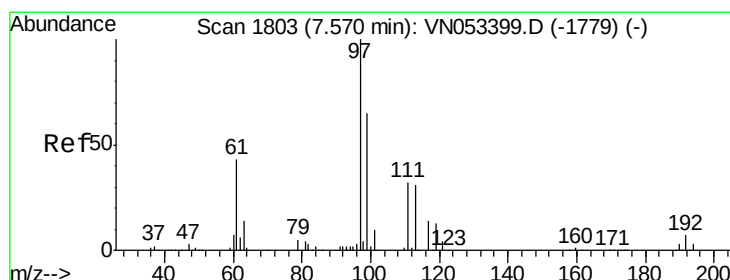
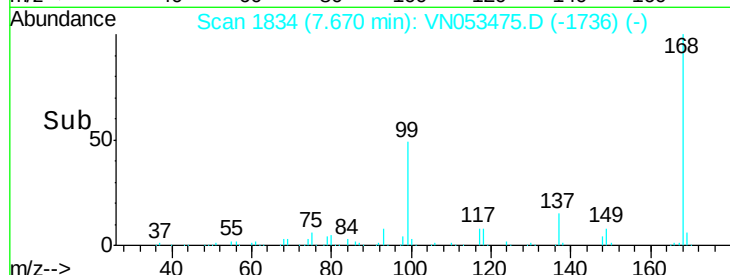
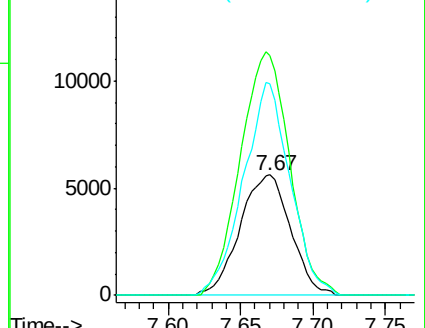
84 176.3 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.646 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

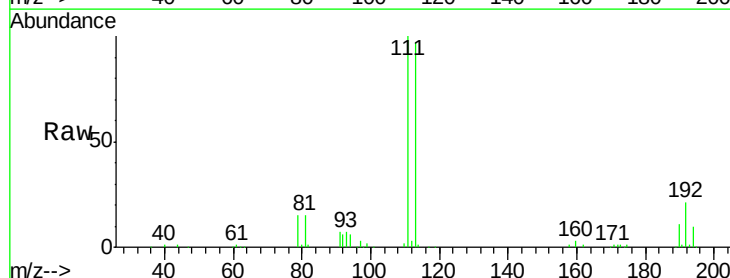
Tgt Ion: 97 Resp: 8080

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

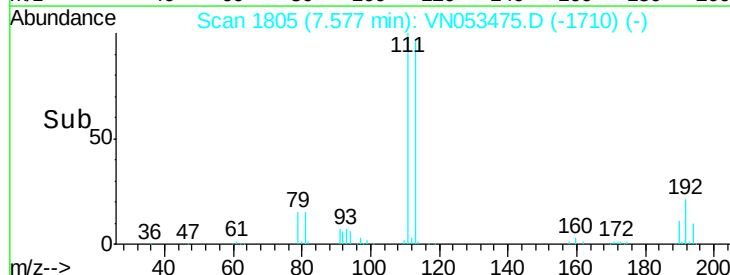
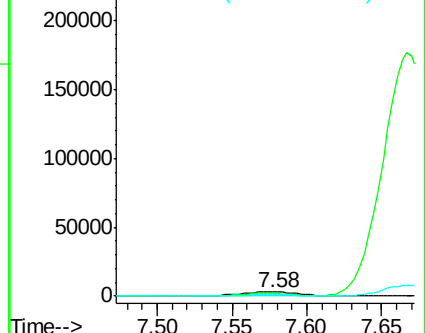
61 39.3 34.4 51.6

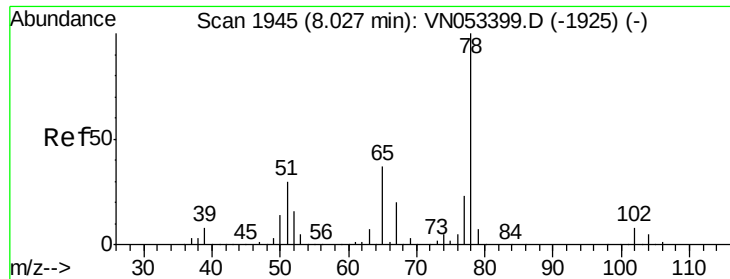


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

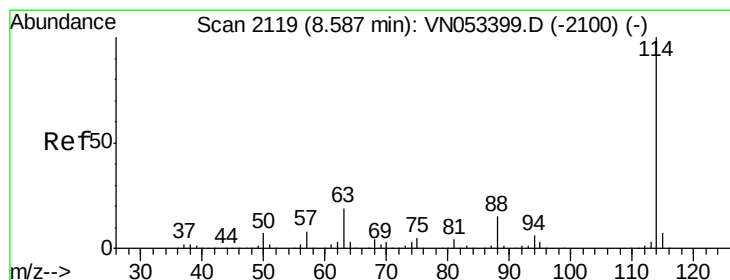
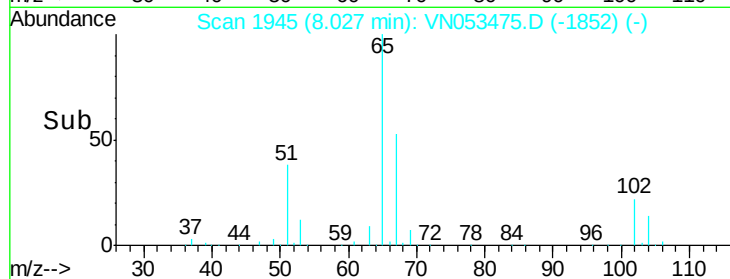
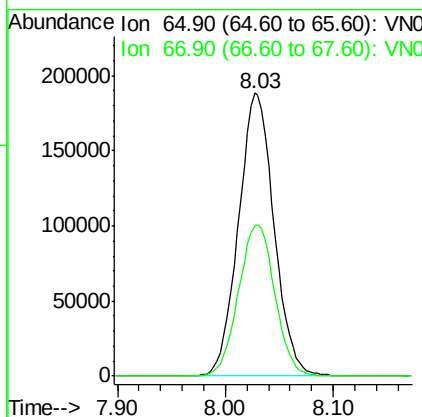
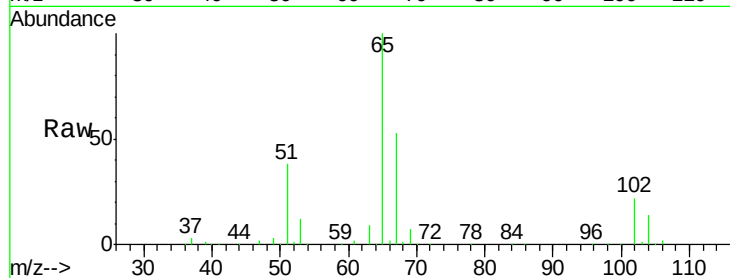




#33
 1,2-Dichloroethane-d4
 Concen: 0.646 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053475.D
 Acq: 18 Jan 2019 16:37

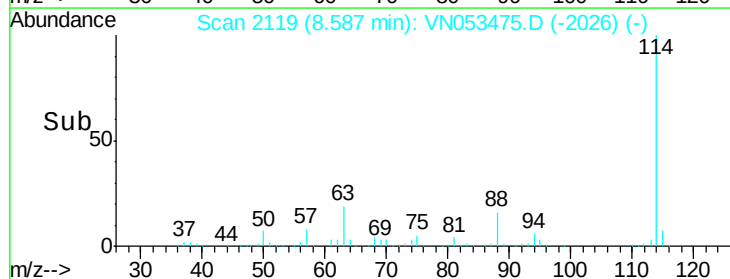
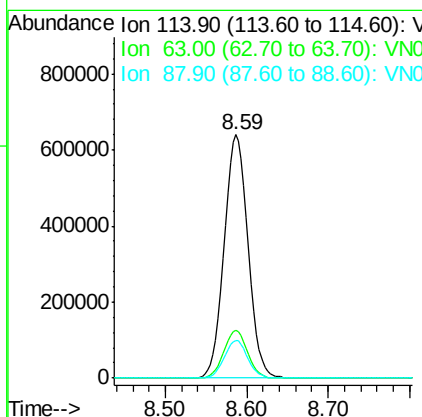
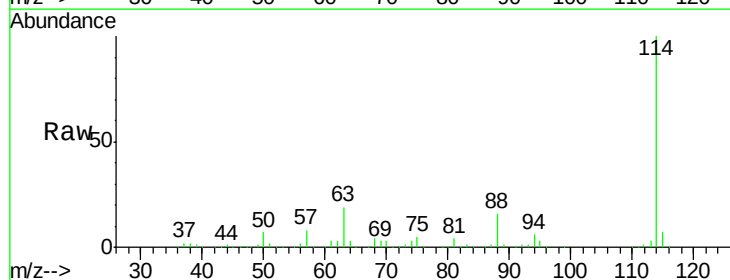
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW520-4246

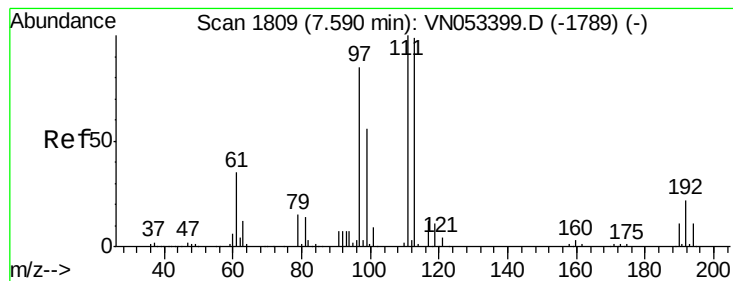
Tot Ion: 65 Resp: 431037
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053475.D
 Acq: 18 Jan 2019 16:37

Tgt Ion: 114 Resp: 1325653
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

SA-TW520-4246

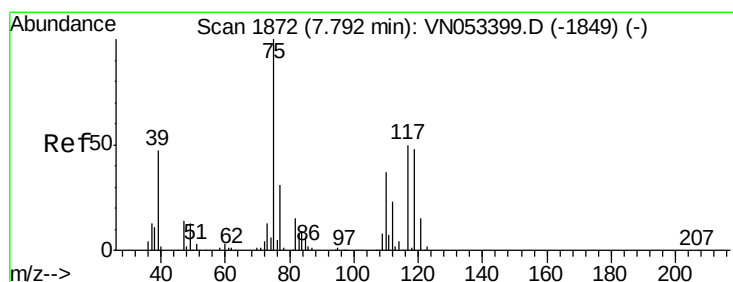
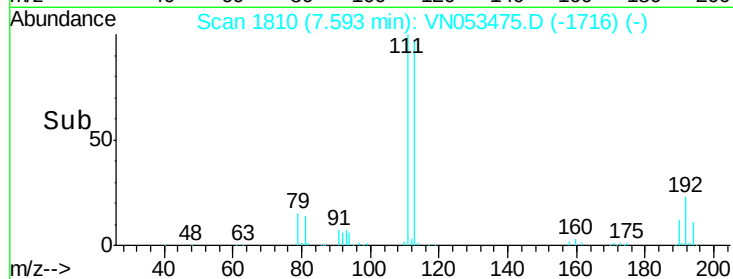
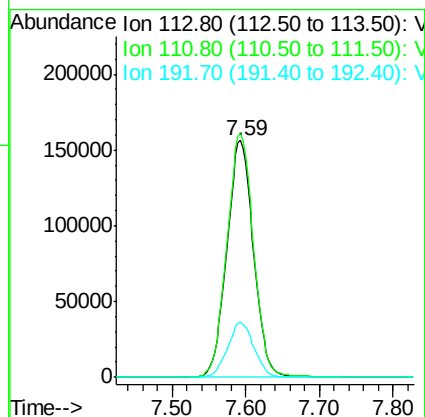
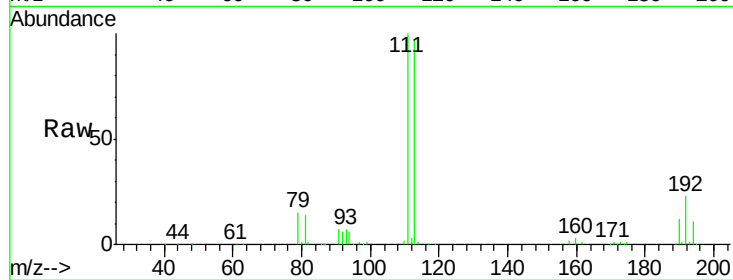
Tot Ion:113 Resp: 391846

Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 23.0 18.2 27.2



#36

1,1-Dichloropropene

Concen: 4.477 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

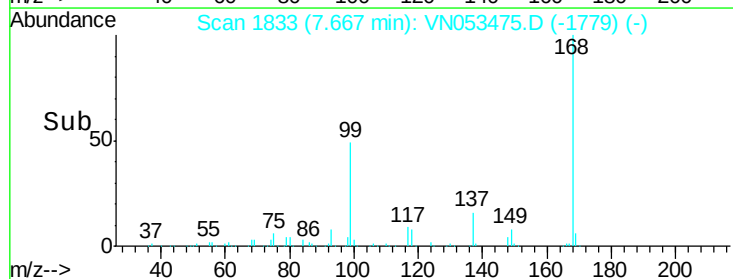
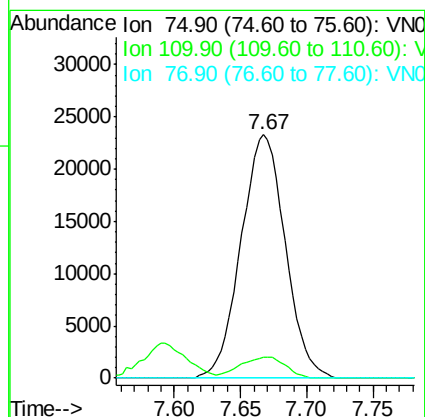
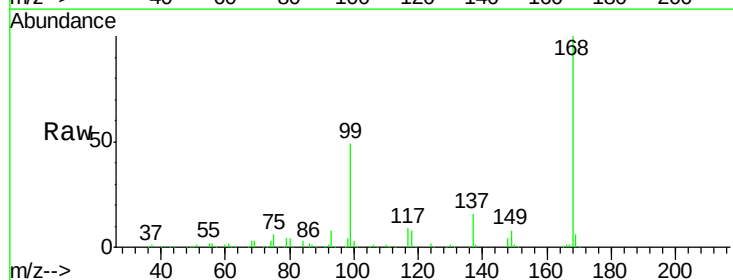
Tgt Ion: 75 Resp: 54049

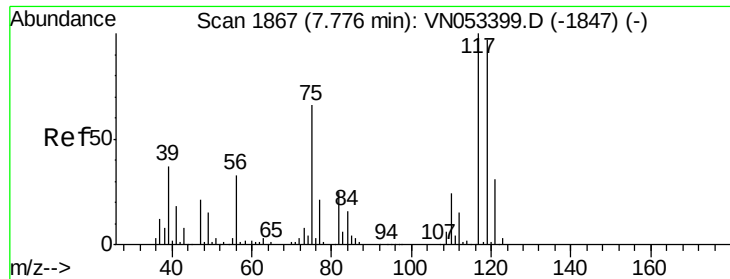
Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.3#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.327 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

SA-TW520-4246

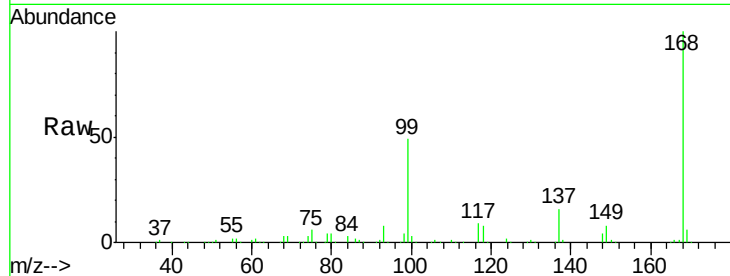
Tot Ion:117 Resp: 72322

Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

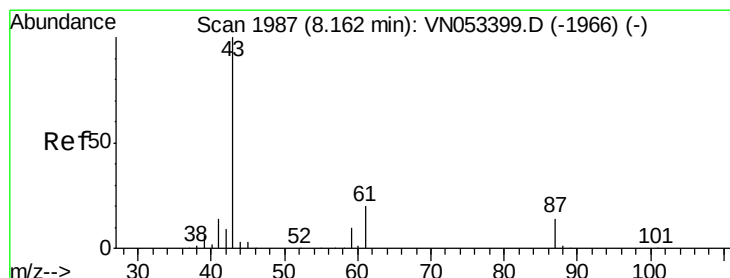
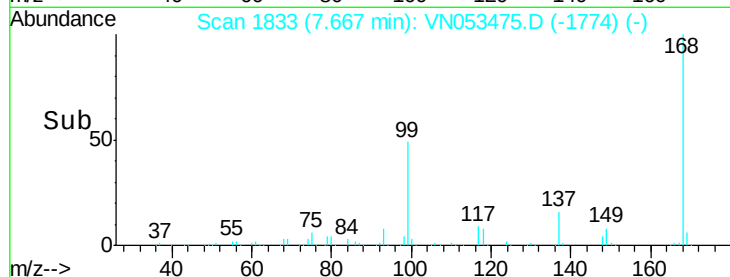
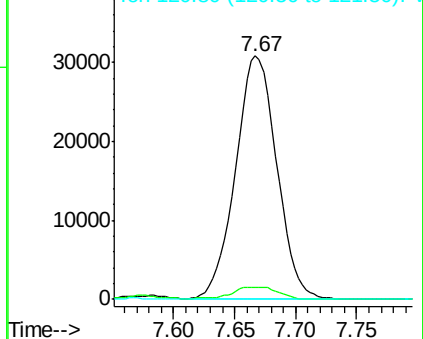
121 0.0 24.6 37.0#



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: 1.352 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.07 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

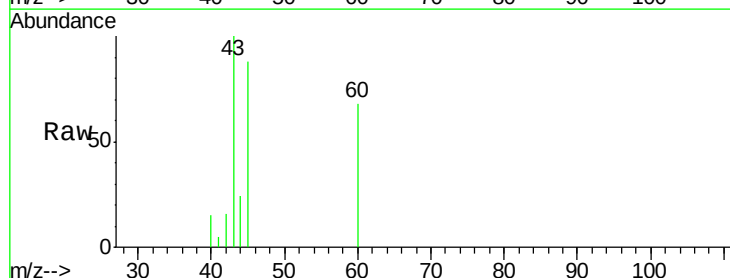
Tgt Ion: 43 Resp: 16890

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

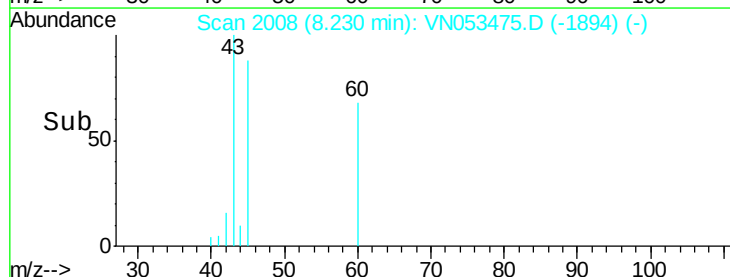
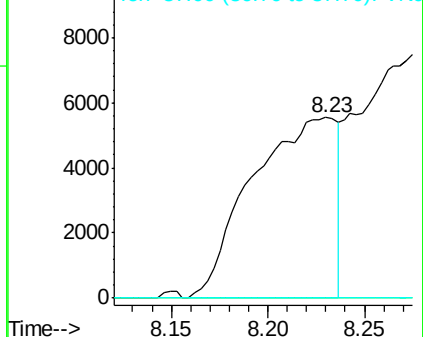
87 0.0 11.0 16.6#

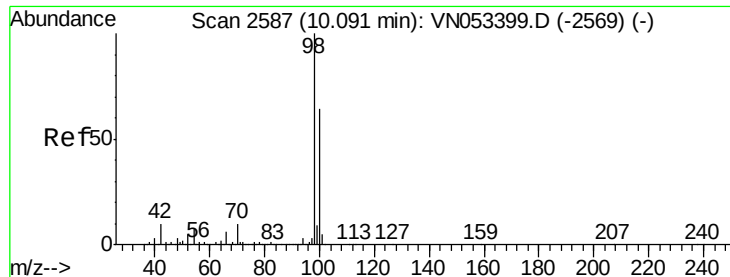


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

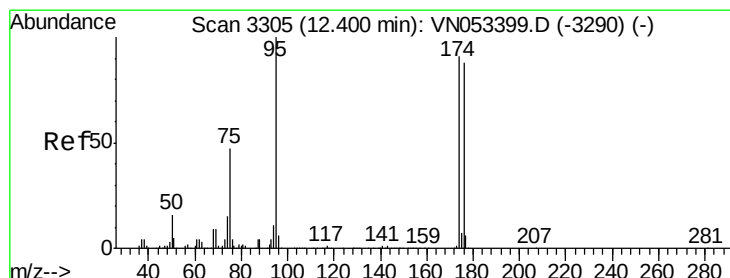
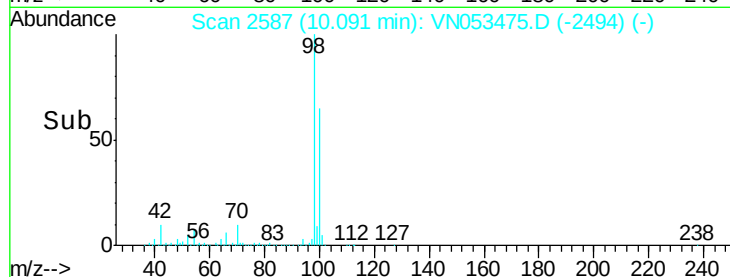
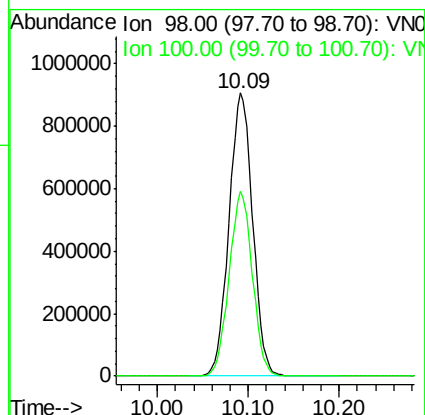
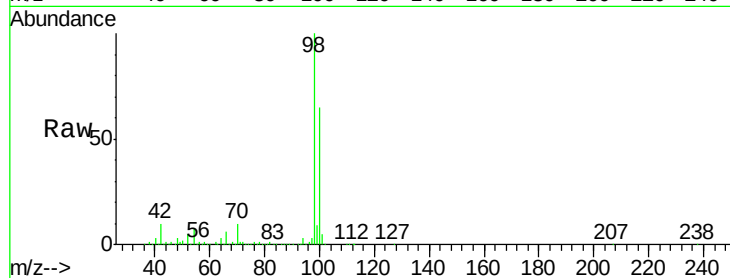
SA-TW520-4246

Tot Ion: 98 Resp: 1634232

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

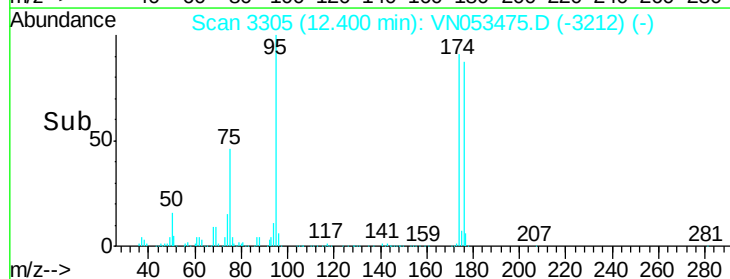
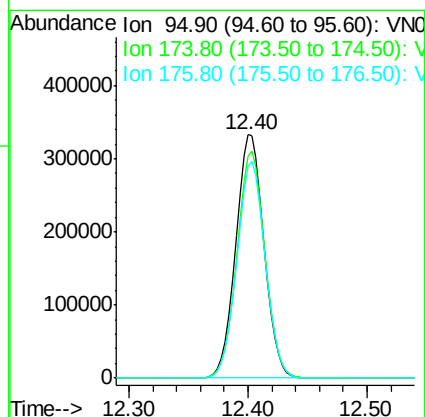
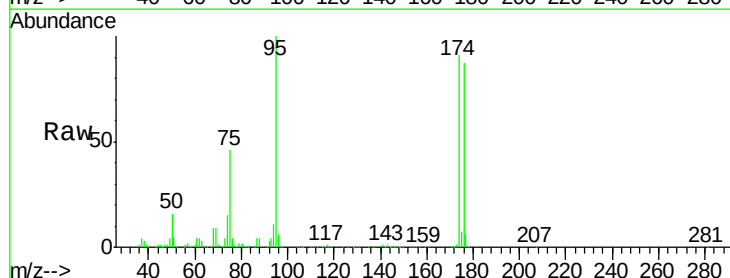
Tgt Ion: 95 Resp: 545082

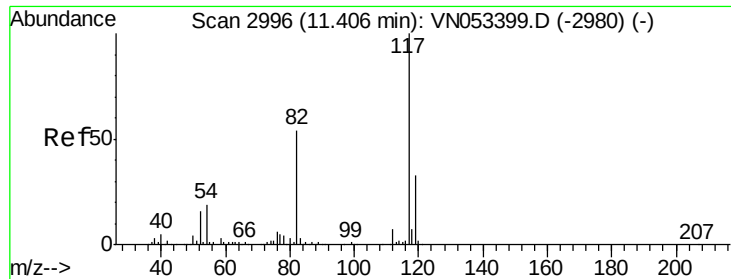
Ion Ratio Lower Upper

95 100

174 93.0 0.0 183.2

176 89.3 0.0 177.4

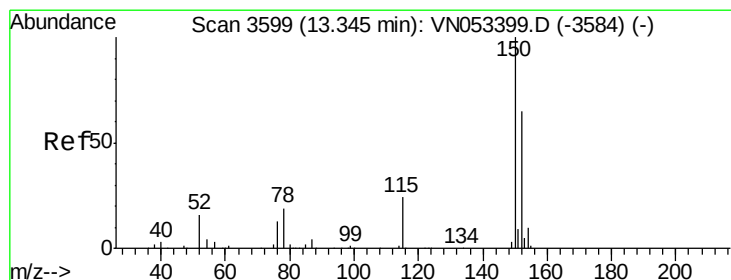
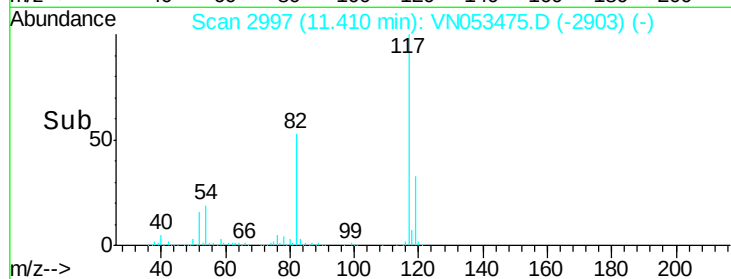
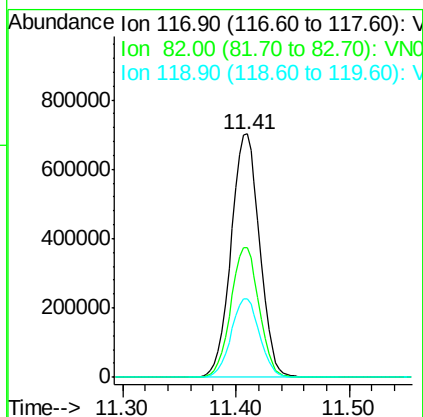
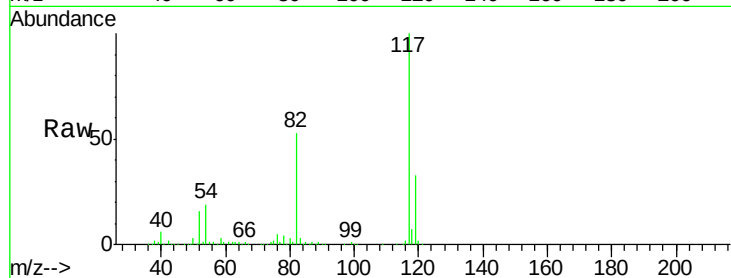




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053475.D
Acq: 18 Jan 2019 16:37

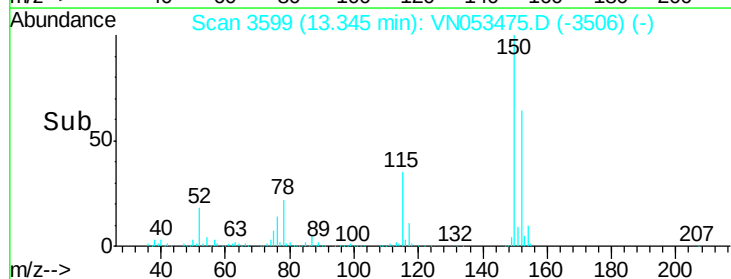
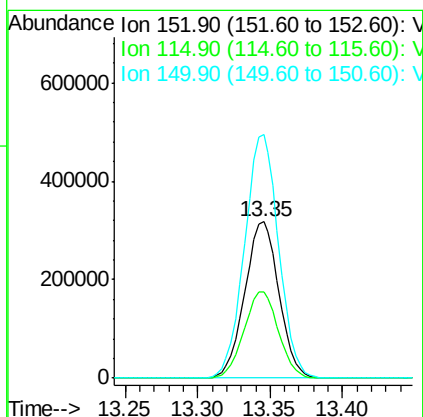
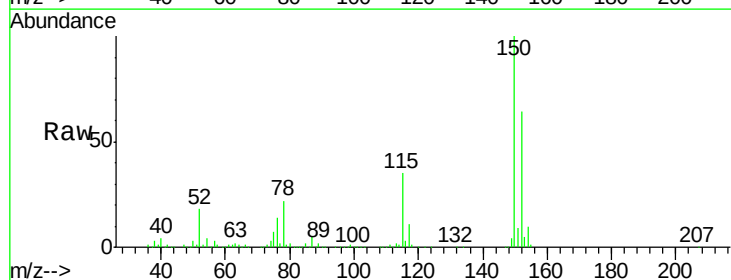
Instrument :
MSVOA_N
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SA-TW520-4246

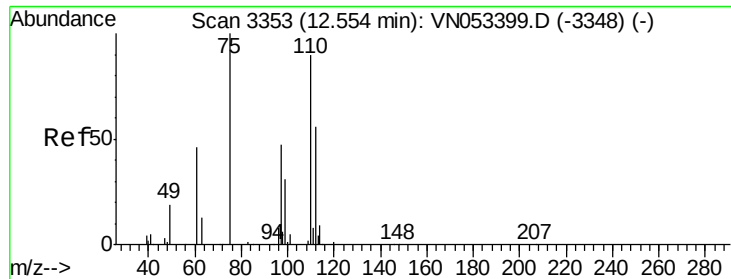
Tot Ion:117 Resp: 1228975
Ion Ratio Lower Upper
117 100
82 53.1 42.9 64.3
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053475.D
Acq: 18 Jan 2019 16:37

Tgt Ion:152 Resp: 520381
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 155.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 37.396 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

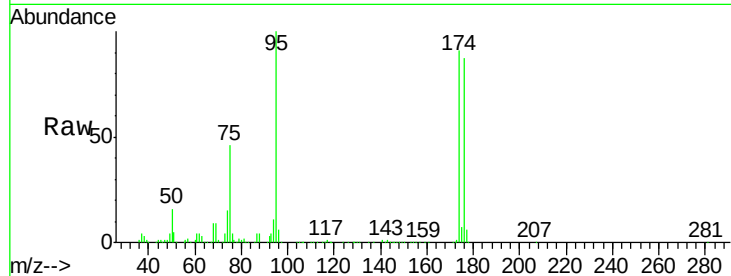
SA-TW520-4246

Tot Ion: 75 Resp: 256446

Ion Ratio Lower Upper

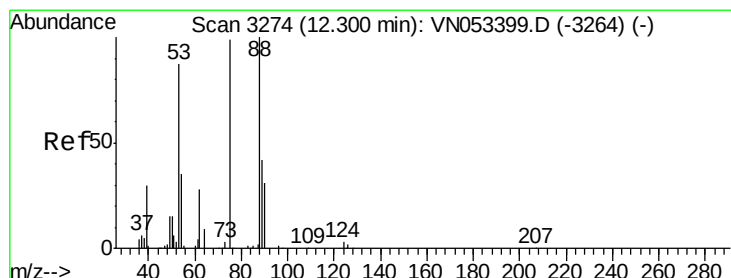
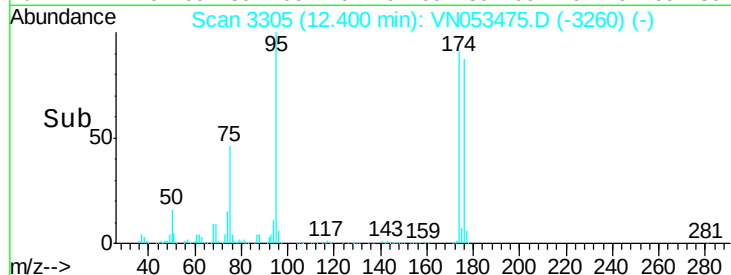
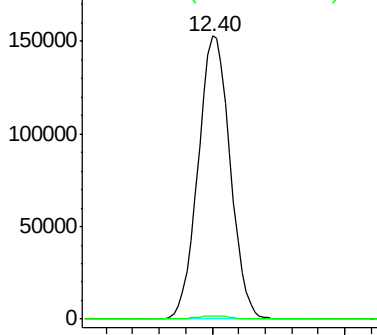
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 92.378 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

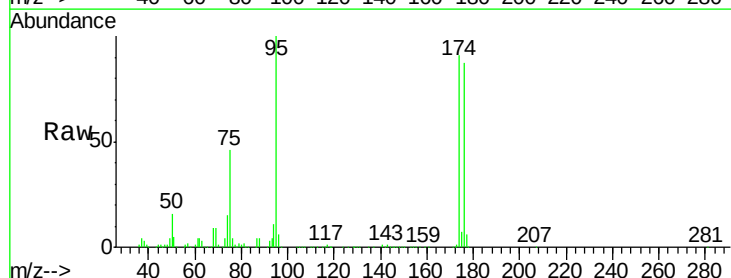
Tgt Ion: 75 Resp: 256446

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

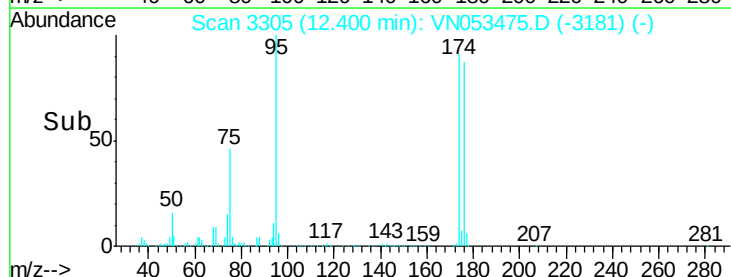
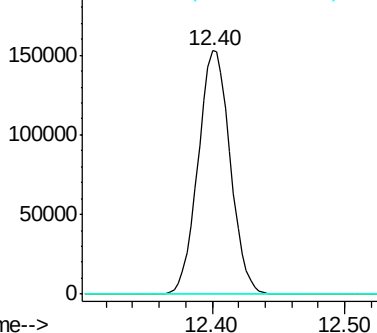
89 0.0 35.6 53.4#

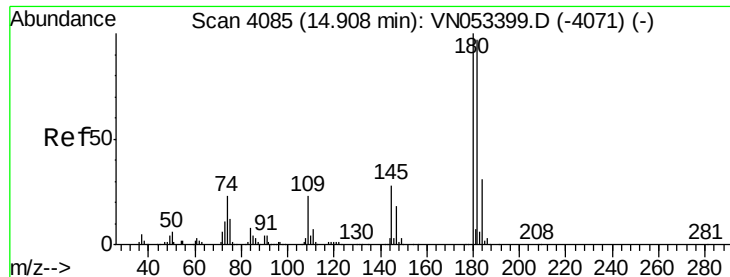


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

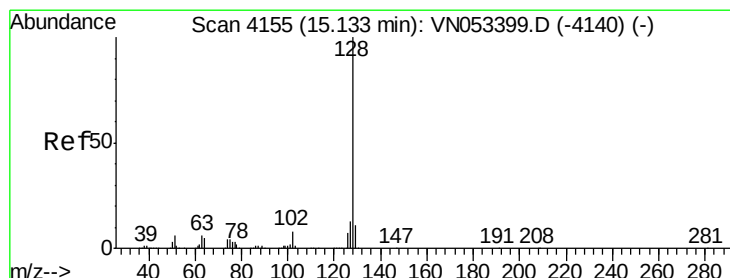
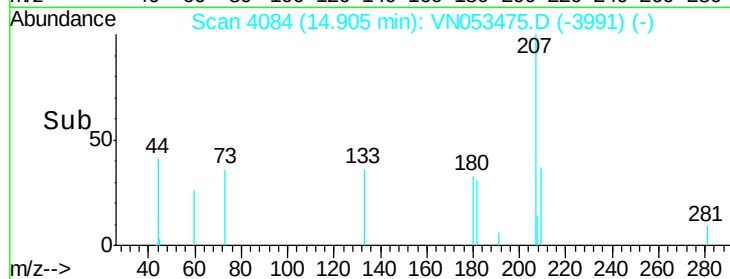
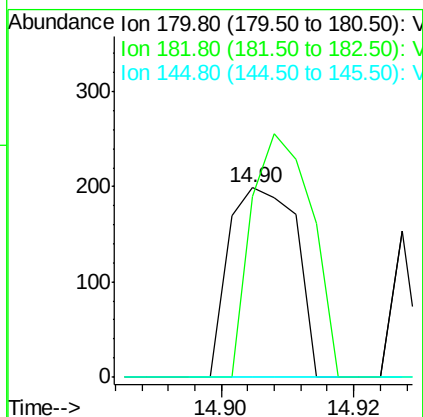
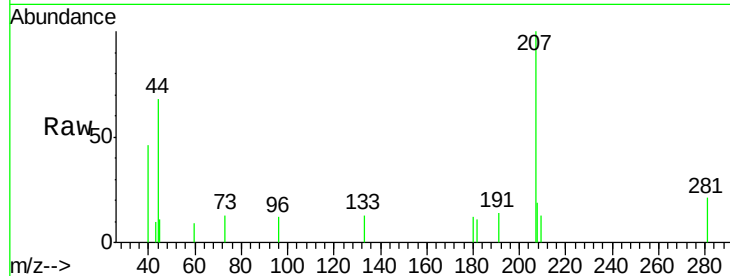




#93
 1,2,4-Trichlorobenzene
 Concen: 2.785 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN053475.D
 Acq: 18 Jan 2019 16:37

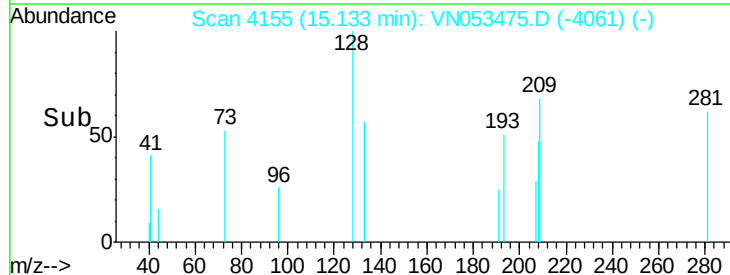
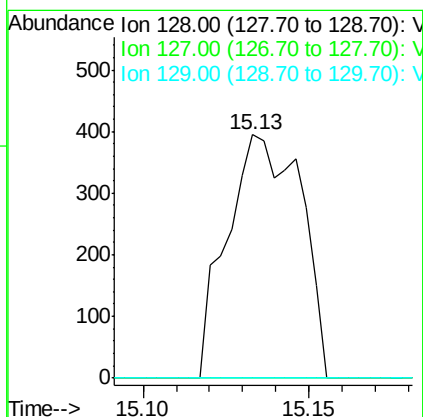
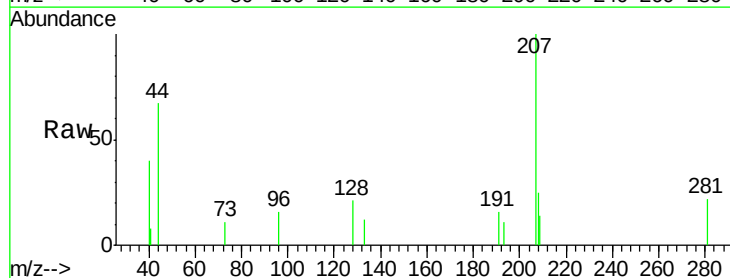
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW520-4246

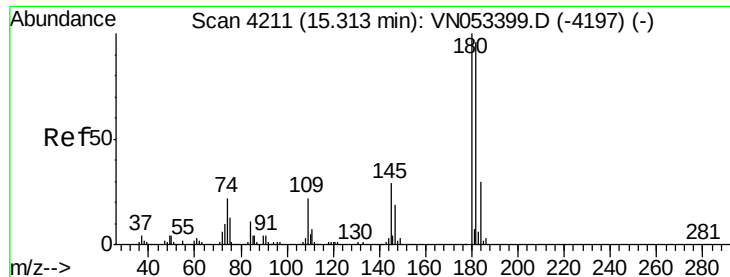
Tot Ion:180 Resp: 140
 Ion Ratio Lower Upper
 180 100
 182 115.0 48.1 144.3
 145 0.0 13.9 41.6#



#95
 Naphthalene
 Concen: 3.984 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN053475.D
 Acq: 18 Jan 2019 16:37

Tgt Ion:128 Resp: 612
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 3.971 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN053475.D

Acq: 18 Jan 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

SA-TW520-4246

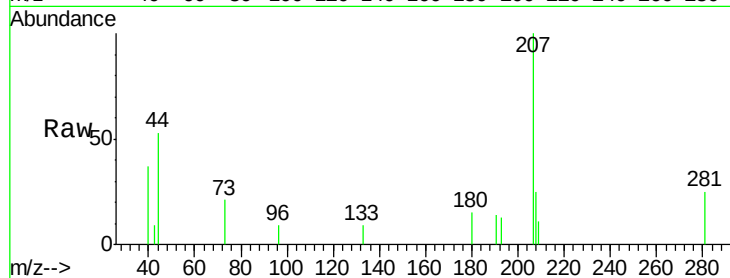
Tot Ion:180 Resp: 378

Ion Ratio Lower Upper

180 100

182 28.8 47.9 143.8#

145 0.0 14.7 44.1#



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

