

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053145.D
 Acq On : 22 Dec 2018 20:45
 Operator : MD\SY
 Sample : J6446-03 10X
 Misc : 4.90g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS026-0006-01

Quant Time: Dec 23 23:09:20 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	1249354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1928599	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1744395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	738227	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	612182	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
35) Dibromofluoromethane	7.59	113	504036	57.21	ug/l	0.00
Spiked Amount			Recovery	=	114.42%	
50) Toluene-d8	10.09	98	2358502	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.40	95	822662	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	

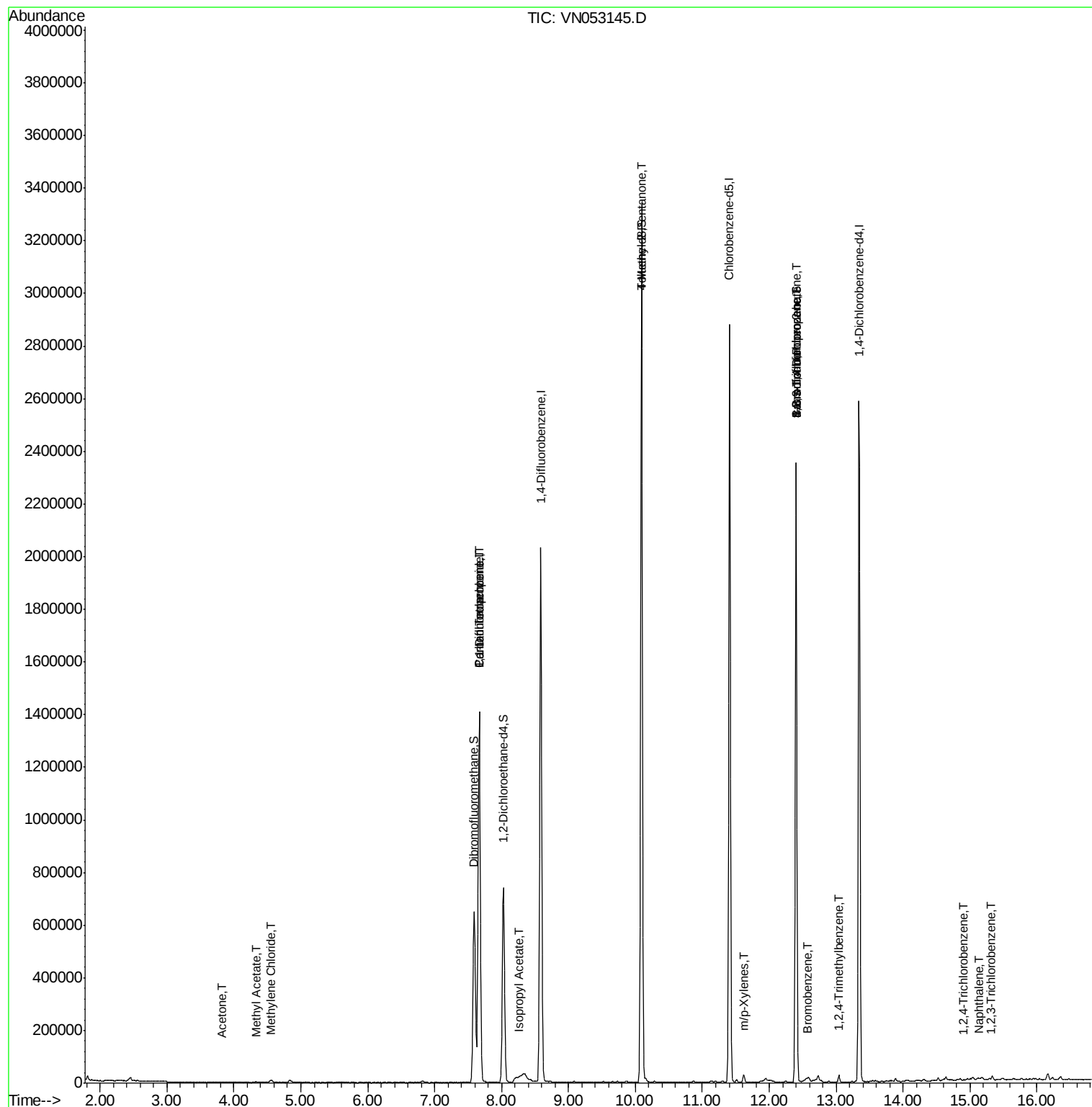
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	2549	1.025	ug/l #	86
18) Methyl Acetate	4.33	43	8278	1.711	ug/l #	81
20) Methylene Chloride	4.54	84	4204	0.310	ug/l	94
31) Cyclohexane	7.66	56	20233	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	83101	4.489	ug/l #	48
38) Carbon Tetrachloride	7.67	117	108620	6.402	ug/l #	15
43) Isopropyl Acetate	8.25	43	27583	0.342	ug/l #	53
51) 4-Methyl-2-Pentanone	10.09	43	8995	0.899	ug/l #	1
68) m/p-Xylenes	11.62	106	9533	0.377	ug/l	96
71) Bromoform	12.40	173	4850	0.499	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	379318	30.523	ug/l #	100
77) Bromobenzene	12.57	156	21206	1.412	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	379318	98.379	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	16053	0.339	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	525	0.635	ug/l #	70
95) Naphthalene	15.14	128	4224	1.289	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	100	0.516	ug/l #	1

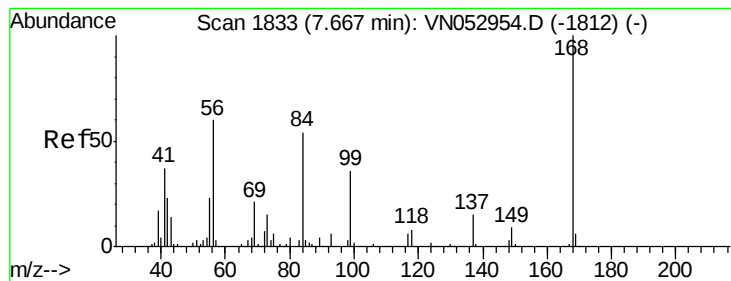
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053145.D

Acq: 22 Dec 2018 20:45

Instrument :

MSVOA_N

ClientSampleId :

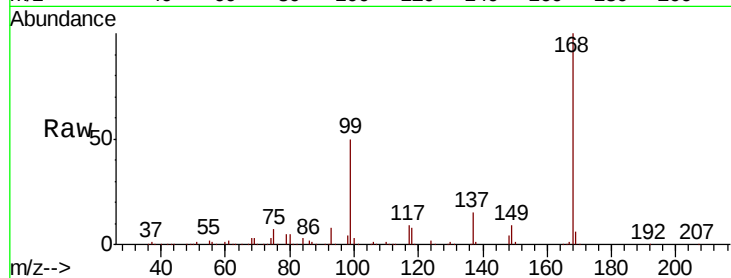
P001-SS026-0006-01

Tot Ion:168 Resp: 1249354

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053145.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053145.D (-1740) (-)

7.67

600000

500000

400000

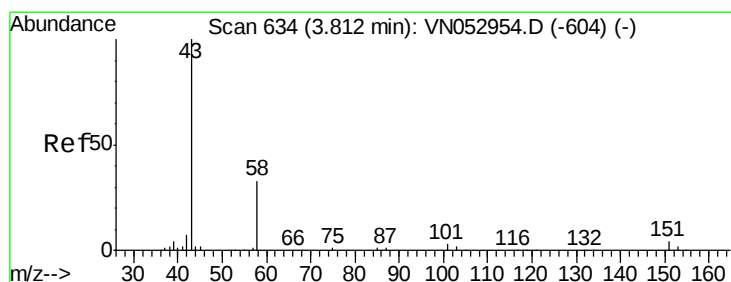
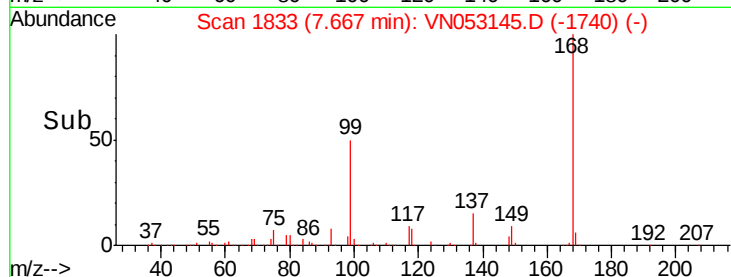
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 1.025 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.02 min

Lab File: VN053145.D

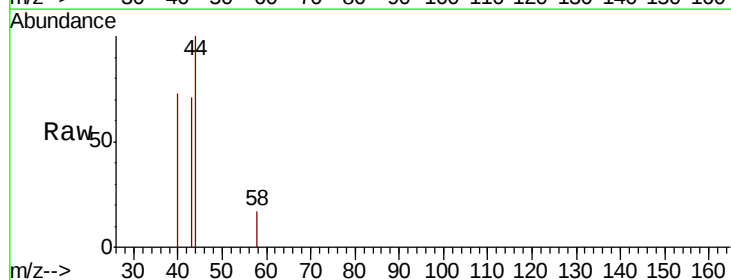
Acq: 22 Dec 2018 20:45

Tgt Ion: 43 Resp: 2549

Ion Ratio Lower Upper

43 100

58 23.9 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN053145.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053145.D (-541) (-)

3.83

1000

800

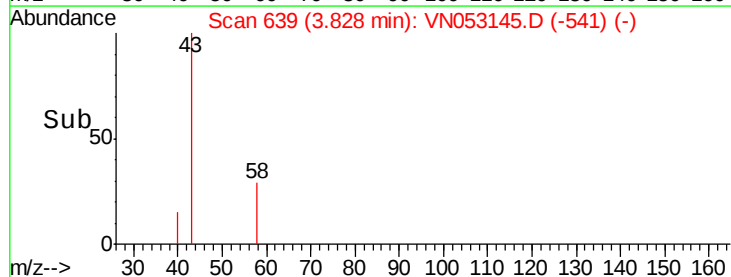
600

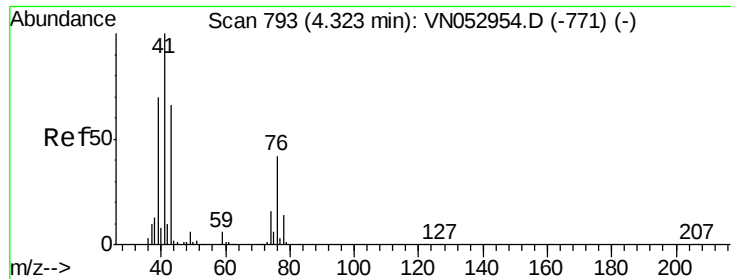
400

200

0

Time-->

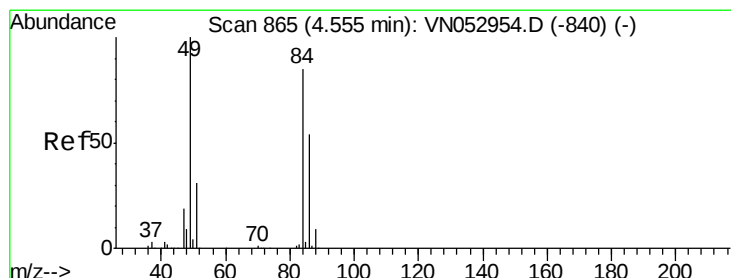
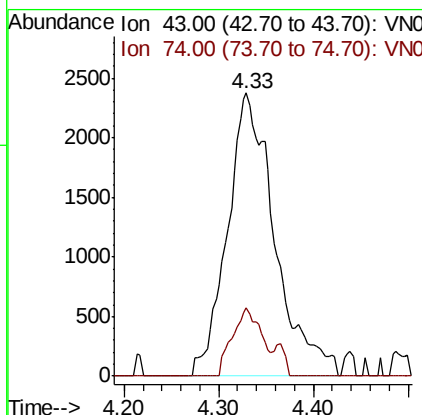
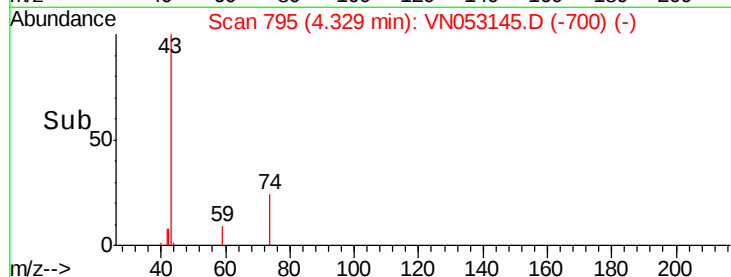
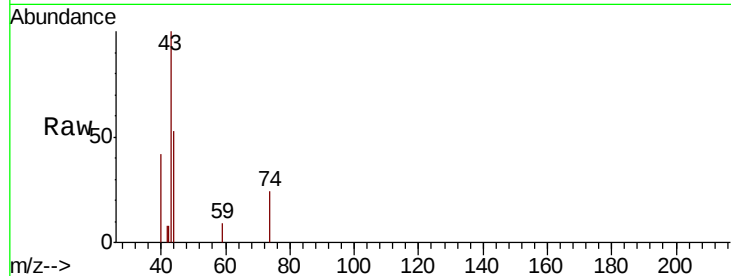




#18
Methyl Acetate
Concen: 1.711 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053145.D
Acq: 22 Dec 2018 20:45

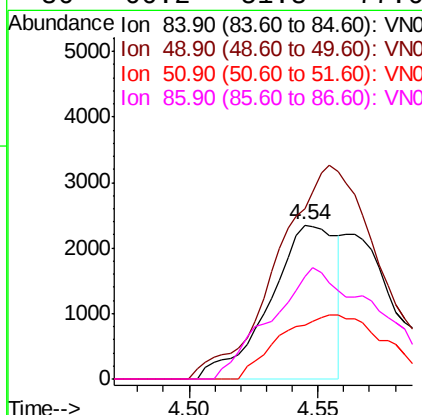
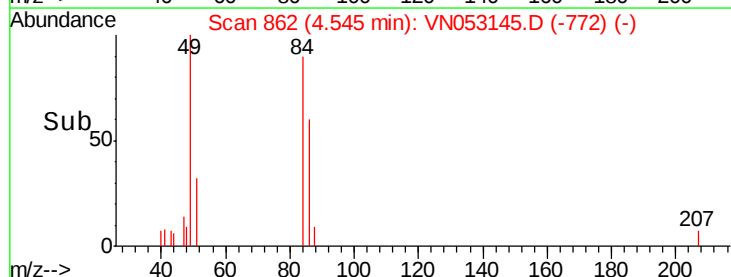
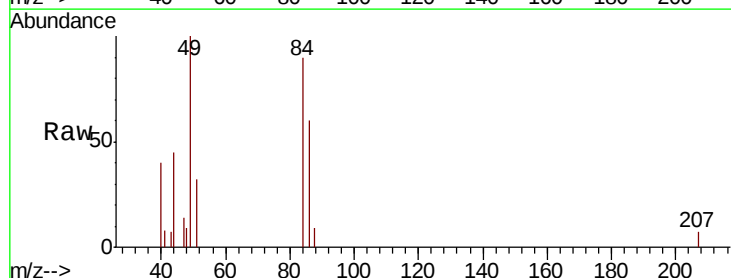
Instrument :
MSVOA_N
ClientSampleId :
P001-SS026-0006-01

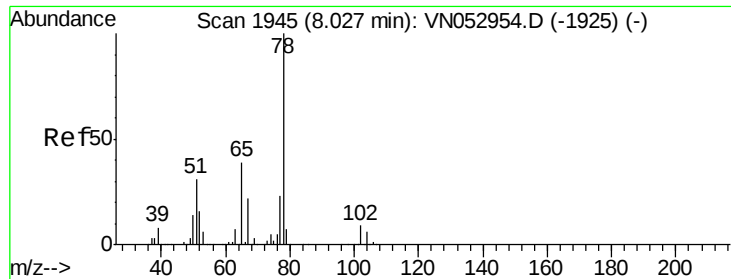
Tot Ion: 43 Resp: 8278
Ion Ratio Lower Upper
43 100
74 14.6 19.2 28.8#



#20
Methylene Chloride
Concen: 0.310 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN053145.D
Acq: 22 Dec 2018 20:45

Tgt Ion: 84 Resp: 4204
Ion Ratio Lower Upper
84 100
49 110.5 96.8 145.2
51 34.9 29.9 44.9
86 66.2 51.8 77.6

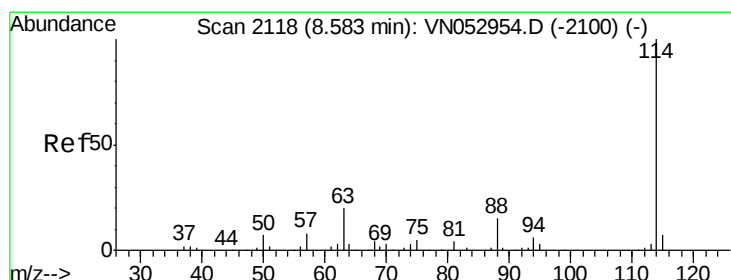
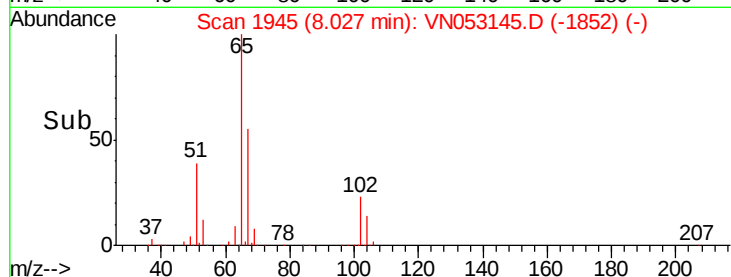
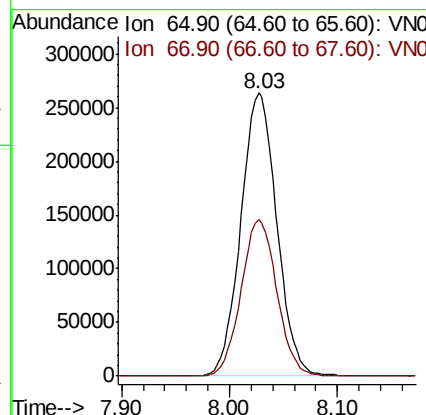
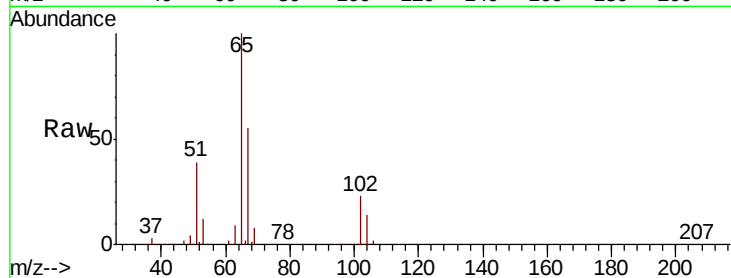




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053145.D
 Acq: 22 Dec 2018 20:45

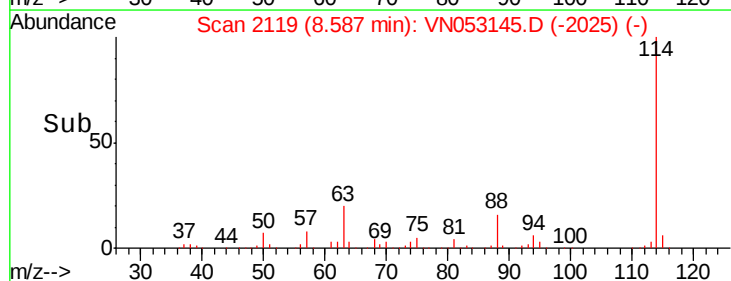
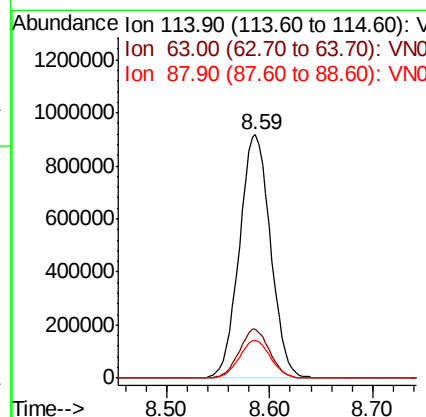
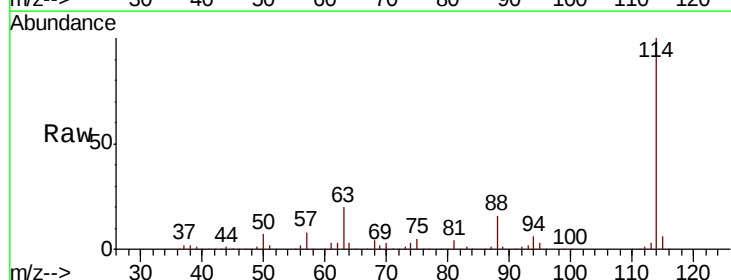
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS026-0006-01

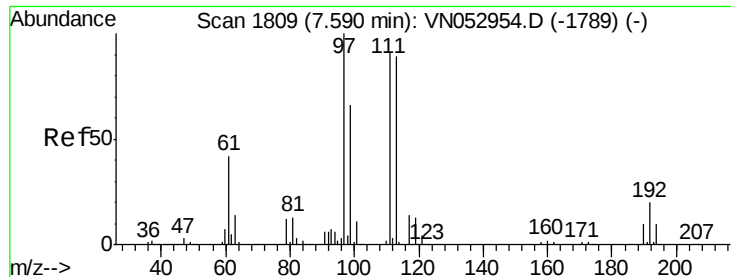
Tot Ion: 65 Resp: 612182
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053145.D
 Acq: 22 Dec 2018 20:45

Tgt Ion: 114 Resp: 1928599
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.6 0.0 31.0

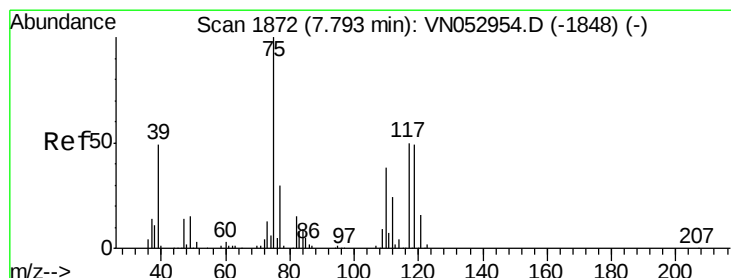
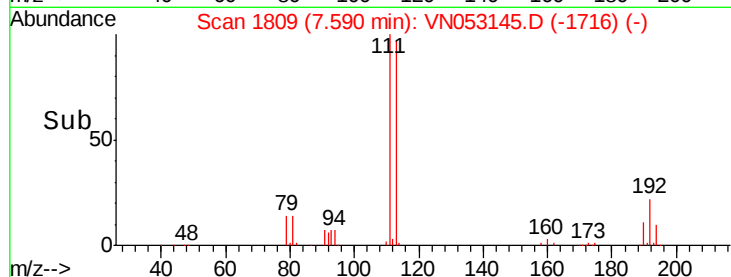
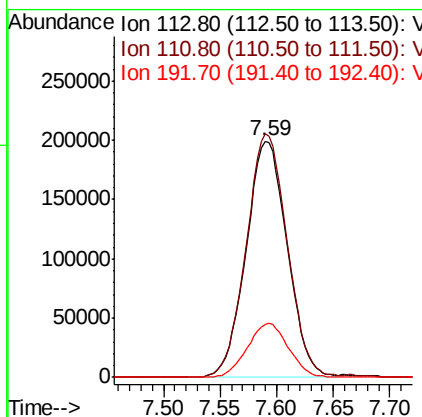
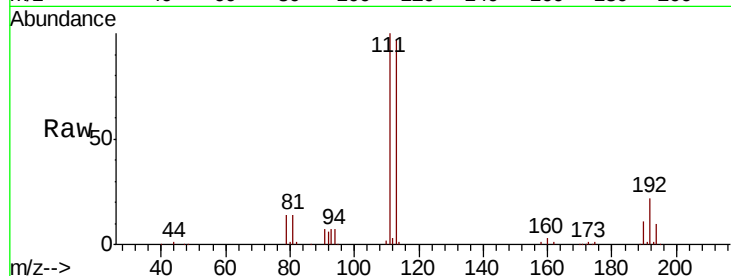




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053145.D
 Acq: 22 Dec 2018 20:45

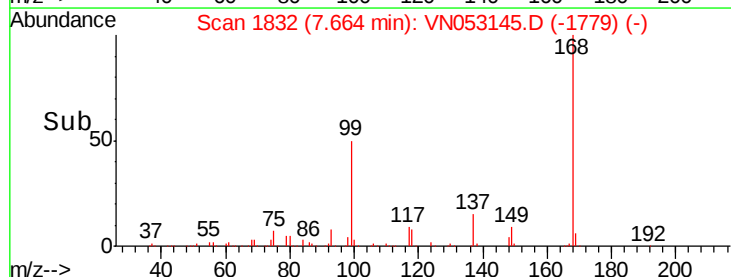
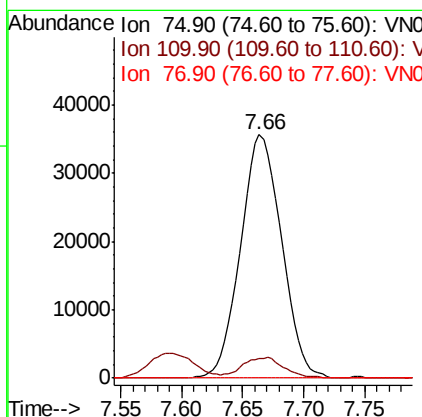
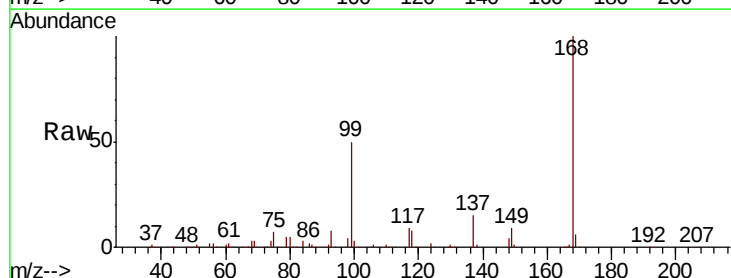
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS026-0006-01

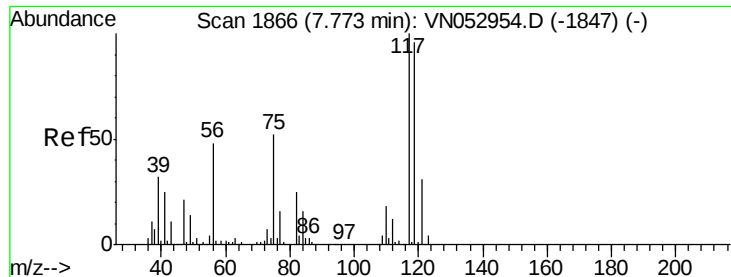
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.4
192	22.8	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.489 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053145.D
 Acq: 22 Dec 2018 20:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.402 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053145.D

Acq: 22 Dec 2018 20:45

Instrument :

MSVOA_N

ClientSampleId :

P001-SS026-0006-01

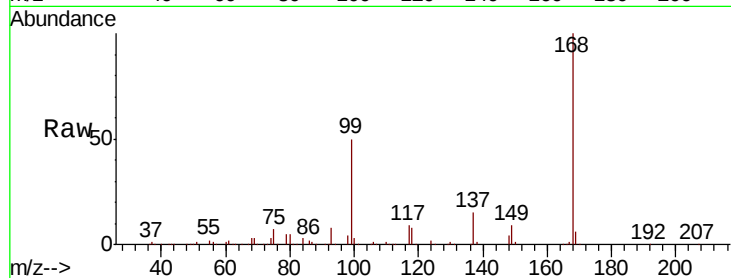
Tot Ion:117 Resp: 108620

Ion Ratio Lower Upper

117 100

119 4.3 77.1 115.7#

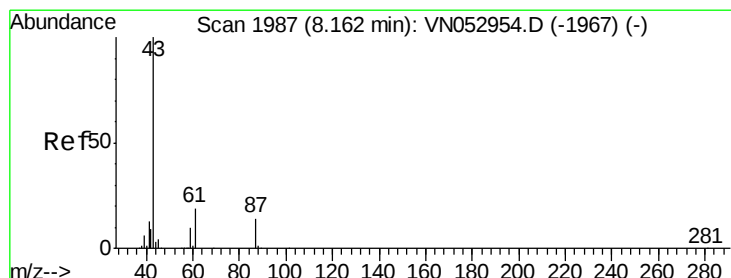
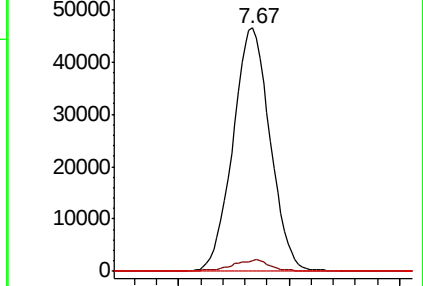
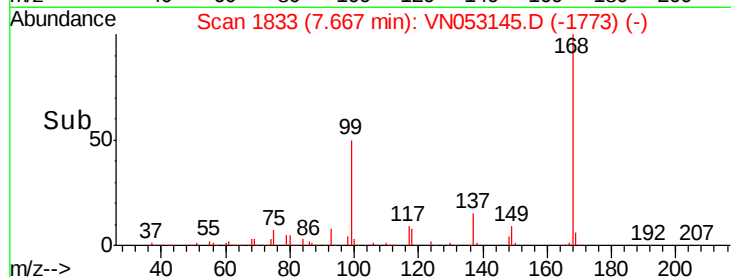
121 0.0 24.9 37.3#



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: 0.342 ug/l

RT: 8.25 min Scan# 2014

Delta R.T. 0.09 min

Lab File: VN053145.D

Acq: 22 Dec 2018 20:45

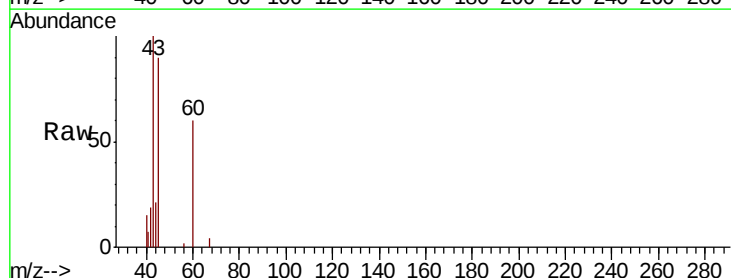
Tgt Ion: 43 Resp: 27583

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

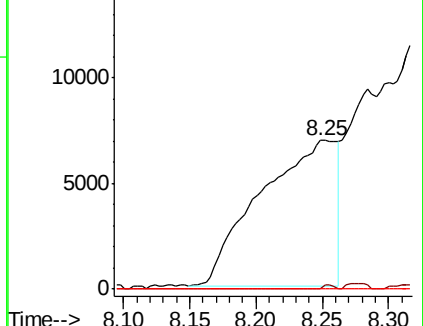
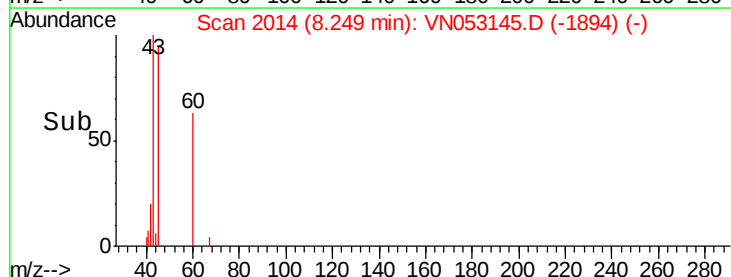
87 0.0 10.6 15.8#

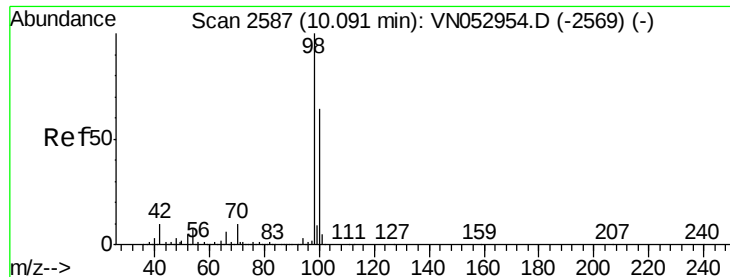


Abundance Ion 43.00 (42.70 to 43.70): V

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: VN053145.D

Acq: 22 Dec 2018 20:45

Instrument :

MSVOA_N

ClientSampleId :

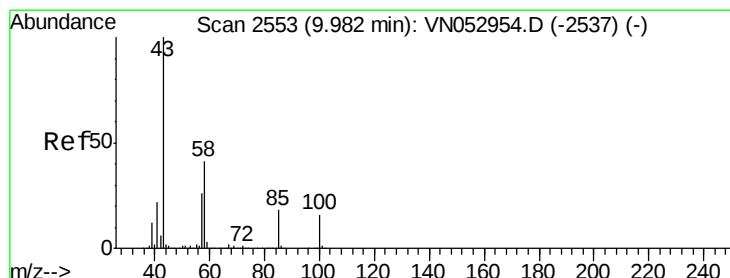
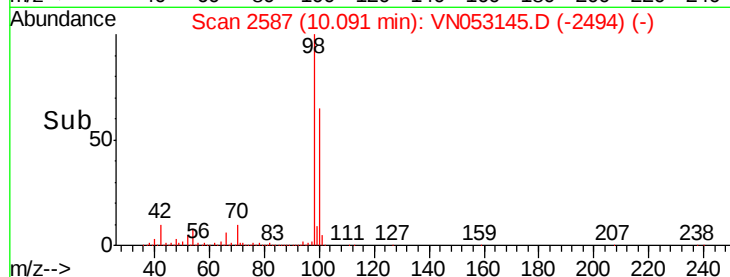
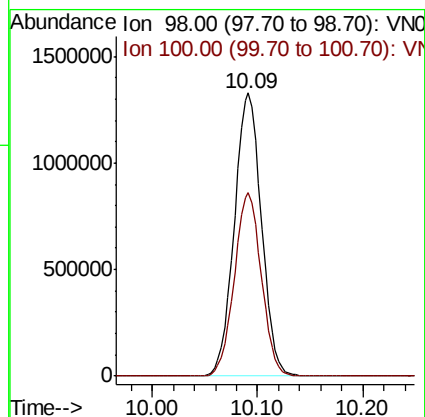
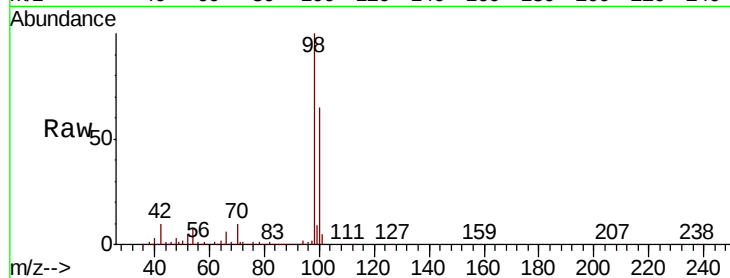
P001-SS026-0006-01

Tot Ion: 98 Resp: 2358502

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4



#51

4-Methyl-2-Pentanone

Concen: 0.899 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.11 min

Lab File: VN053145.D

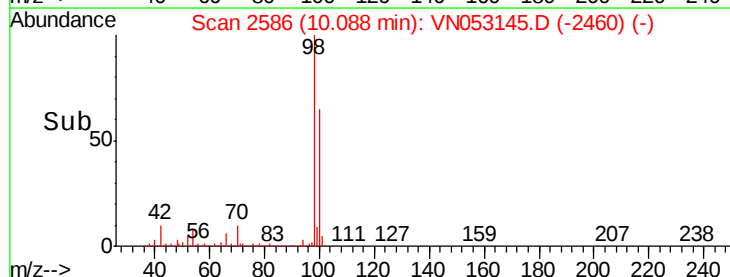
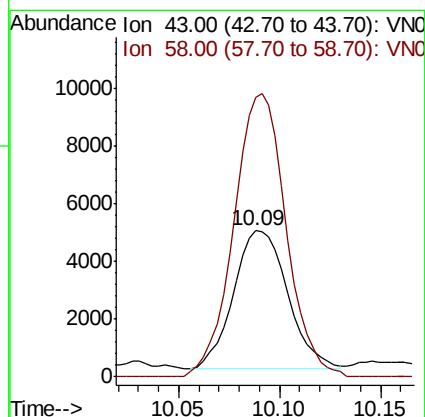
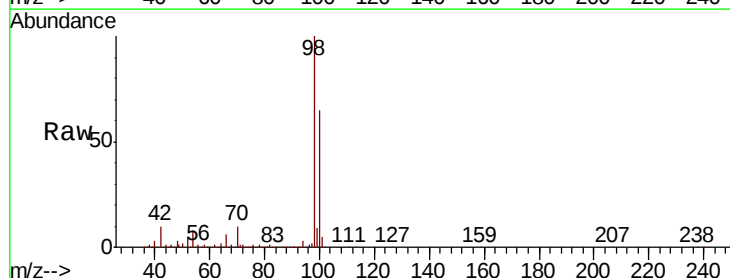
Acq: 22 Dec 2018 20:45

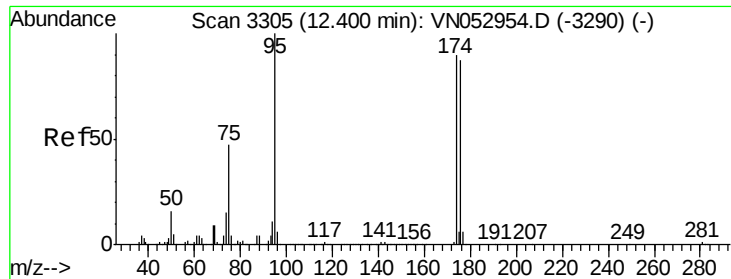
Tgt Ion: 43 Resp: 8995

Ion Ratio Lower Upper

43 100

58 197.6 32.2 48.4#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053145.D

Acq: 22 Dec 2018 20:45

Instrument :

MSVOA_N

ClientSampleId :

P001-SS026-0006-01

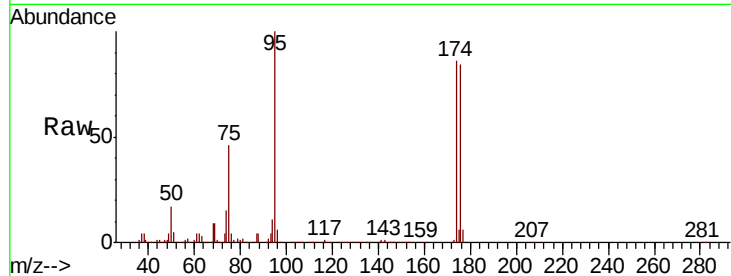
Tot Ion: 95 Resp: 822662

Ion Ratio Lower Upper

95 100

174 87.6 0.0 178.8

176 84.9 0.0 173.8



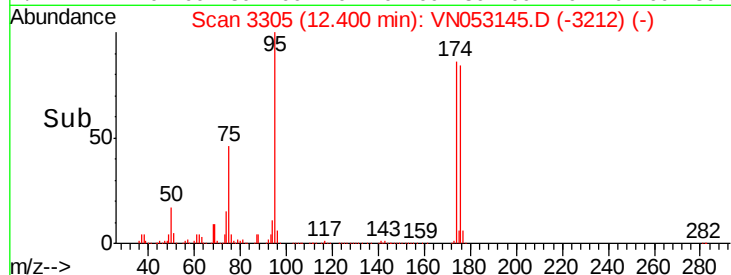
Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

Time-->

12.30 12.40 12.50



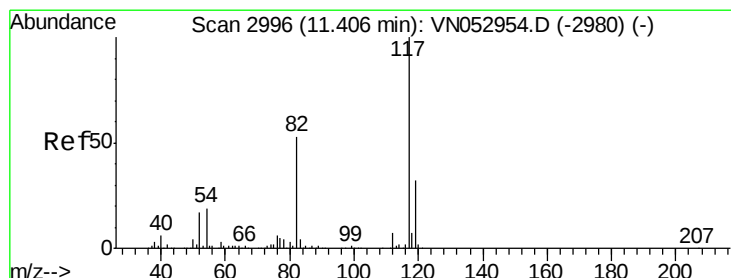
Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

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: VN053145.D

Acq: 22 Dec 2018 20:45

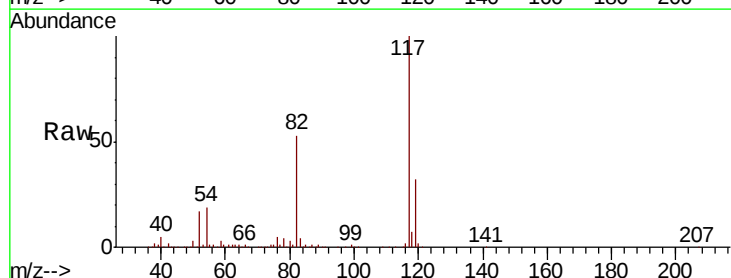
Tgt Ion: 117 Resp: 1744395

Ion Ratio Lower Upper

117 100

82 53.0 42.8 64.2

119 32.1 25.5 38.3



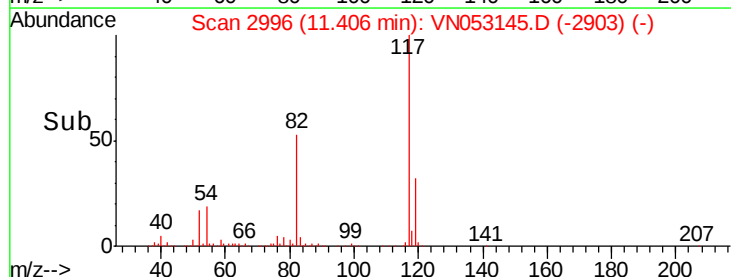
Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

Time-->

11.30 11.40 11.50



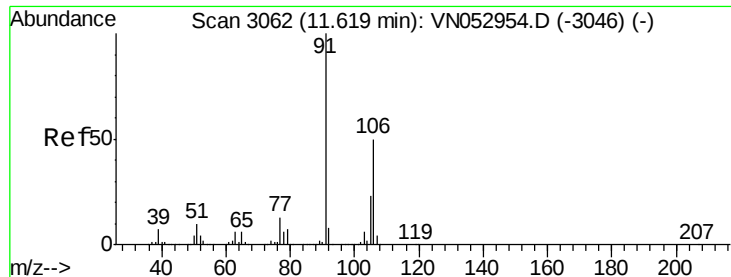
Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

Time-->

11.30 11.40 11.50



#68

m/p-Xvlenes

Concen: 0.377 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN053145.D

Acq: 22 Dec 2018 20:45

Instrument :

MSVOA_N

ClientSampleId :

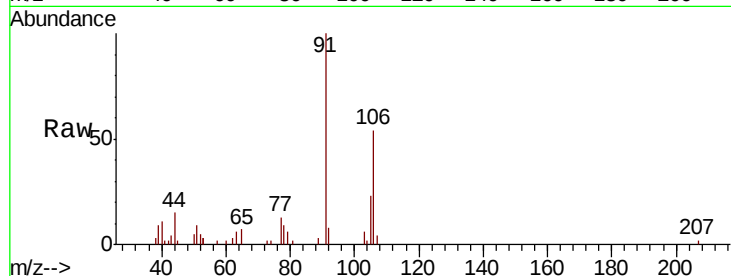
P001-SS026-0006-01

Tot Ion:106 Resp: 9533

Ion Ratio Lower Upper

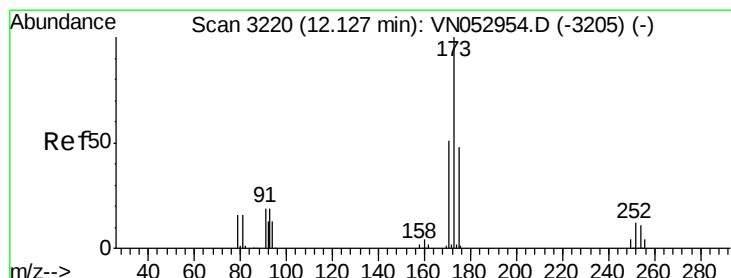
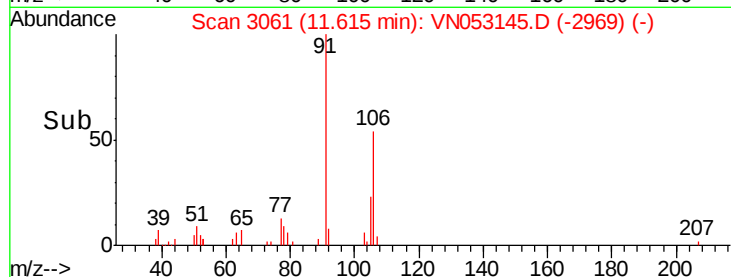
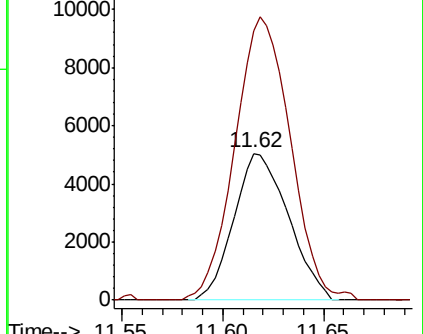
106 100

91 196.5 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.499 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053145.D

Acq: 22 Dec 2018 20:45

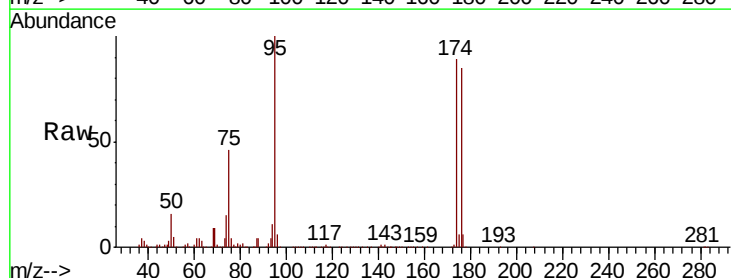
Tgt Ion:173 Resp: 4850

Ion Ratio Lower Upper

173 100

175 962.4 24.3 72.9#

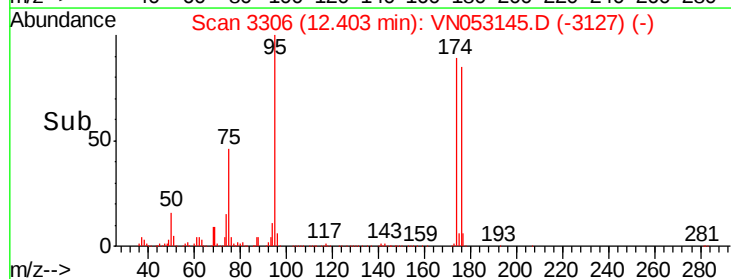
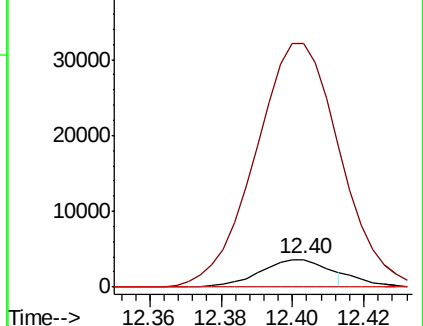
254 0.0 0.1 0.1#

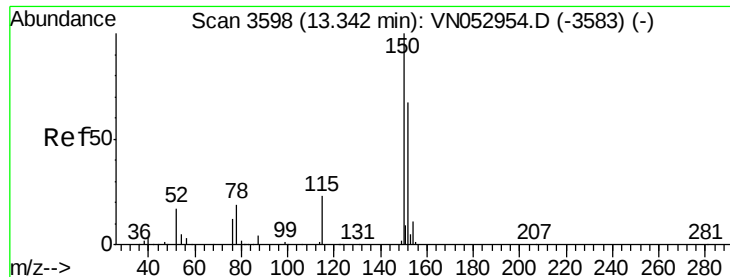


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053145.D

Acq: 22 Dec 2018 20:45

Instrument :

MSVOA_N

ClientSampleId :

P001-SS026-0006-01

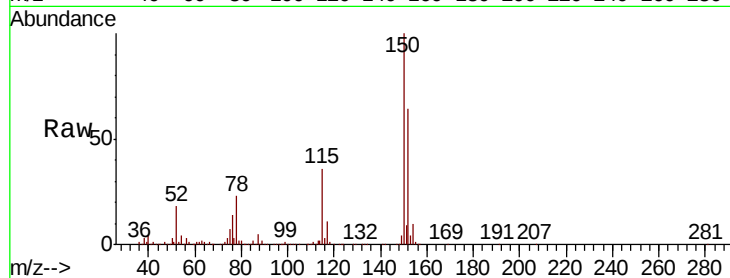
Tot Ion:152 Resp: 738227

Ion Ratio Lower Upper

152 100

115 57.4 28.3 85.0

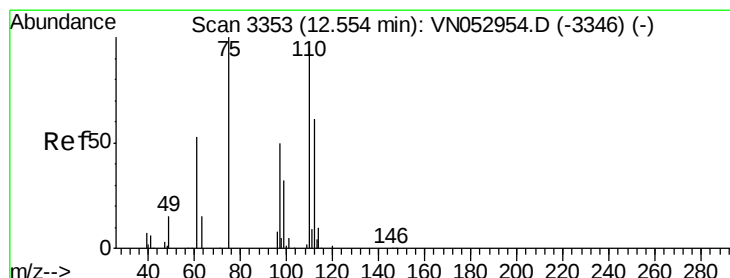
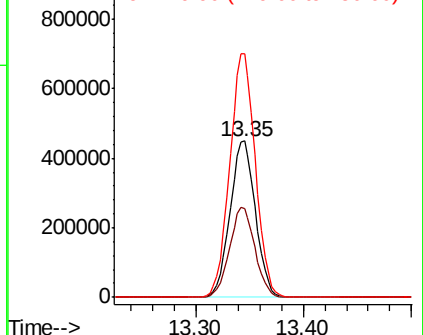
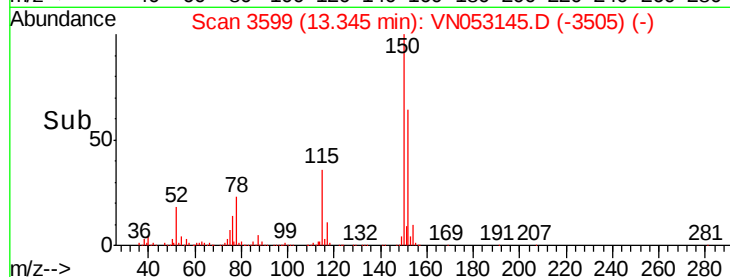
150 156.6 0.0 347.8



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: 30.523 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053145.D

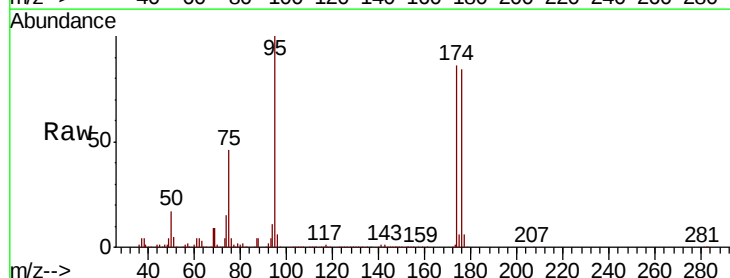
Acq: 22 Dec 2018 20:45

Tgt Ion: 75 Resp: 379318

Ion Ratio Lower Upper

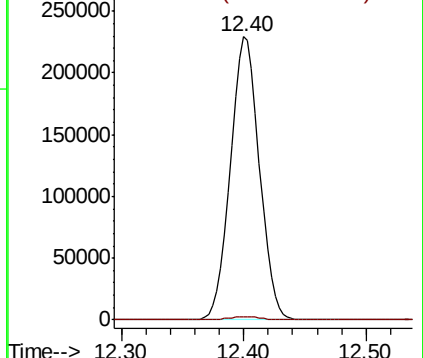
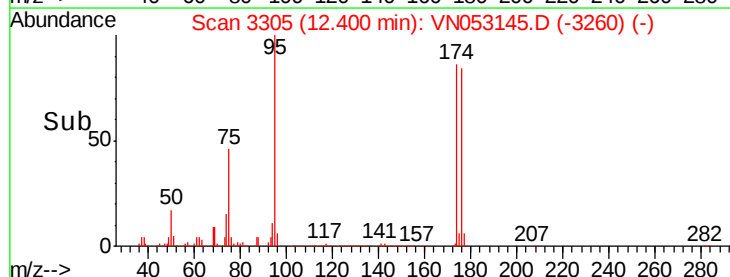
75 100

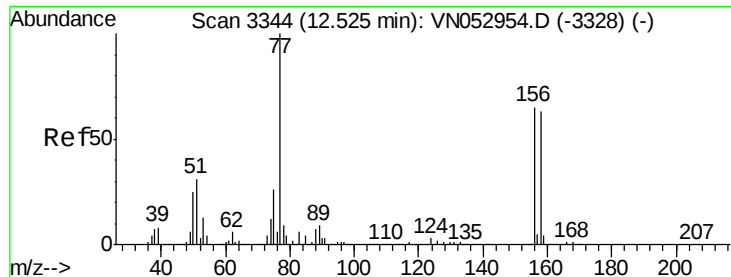
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 1.412 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.04 min

Lab File: VN053145.D

Acq: 22 Dec 2018 20:45

Instrument :

MSVOA_N

ClientSampleId :

P001-SS026-0006-01

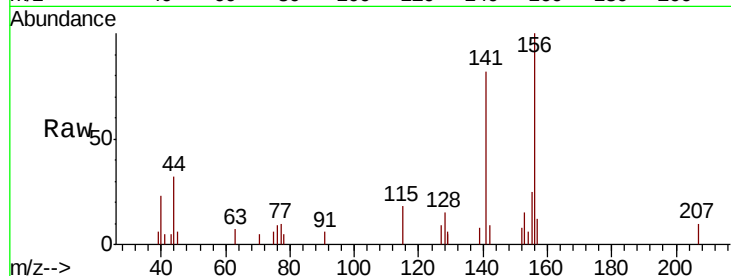
Tot Ion:156 Resp: 21206

Ion Ratio Lower Upper

156 100

77 3.2 91.3 273.8#

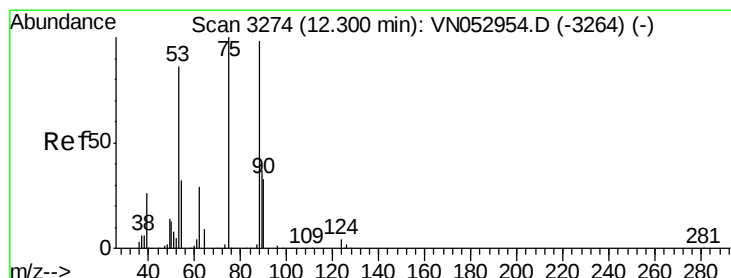
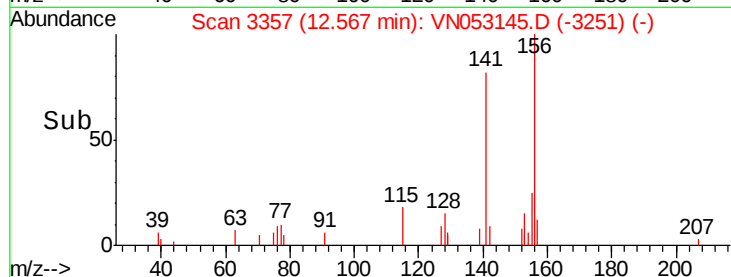
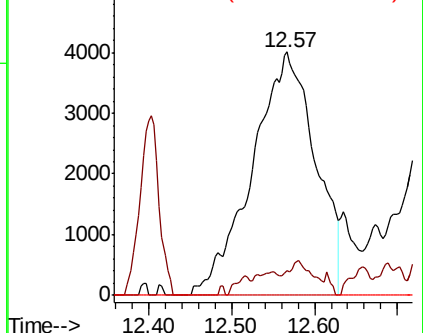
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 98.379 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053145.D

Acq: 22 Dec 2018 20:45

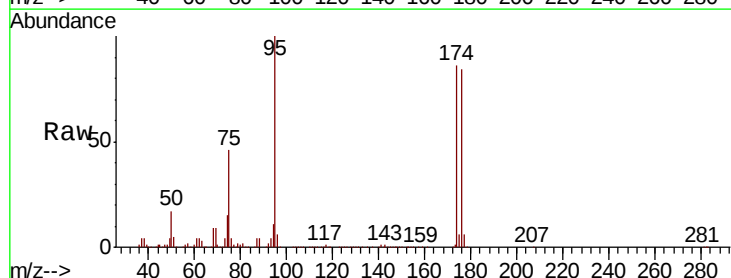
Tgt Ion: 75 Resp: 379318

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

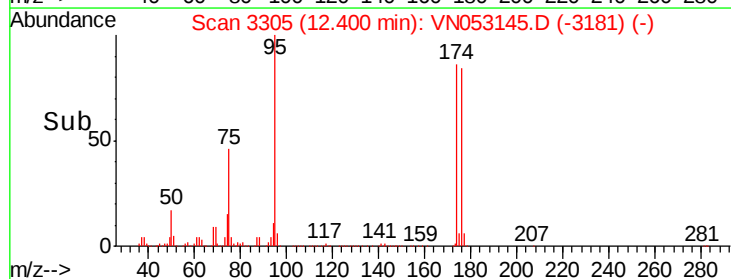
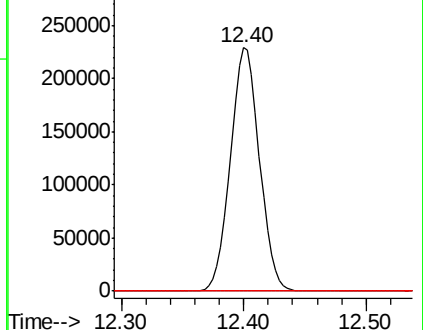
89 0.0 36.1 54.1#

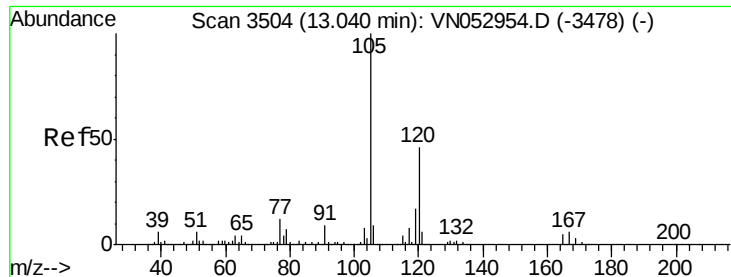


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

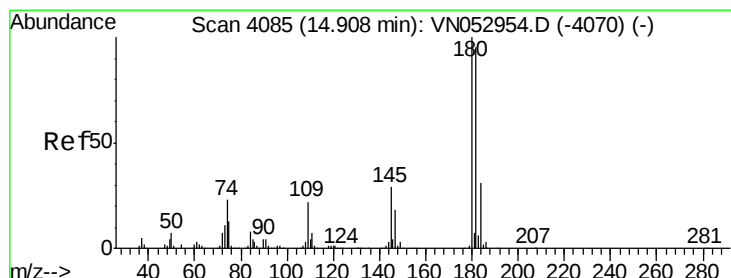
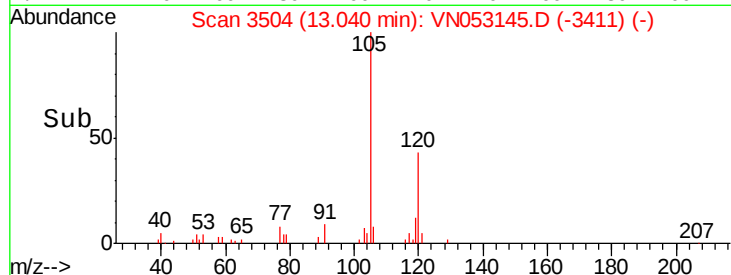
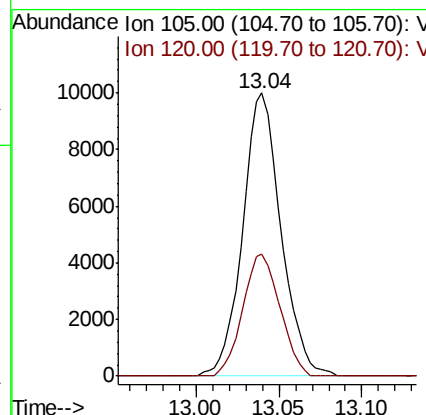
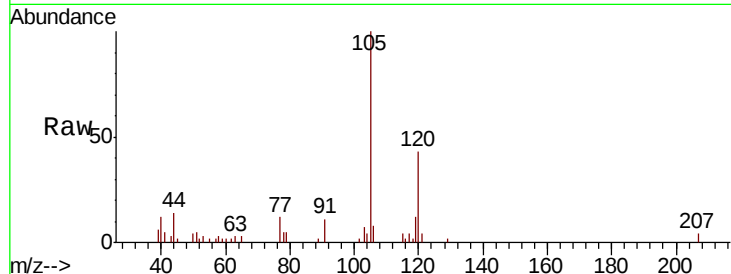




#84
 1,2,4-Trimethylbenzene
 Concen: 0.339 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053145.D
 Acq: 22 Dec 2018 20:45

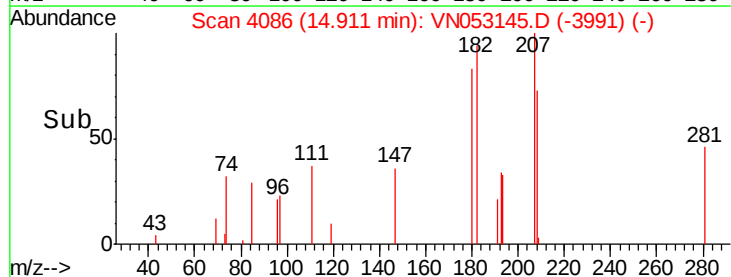
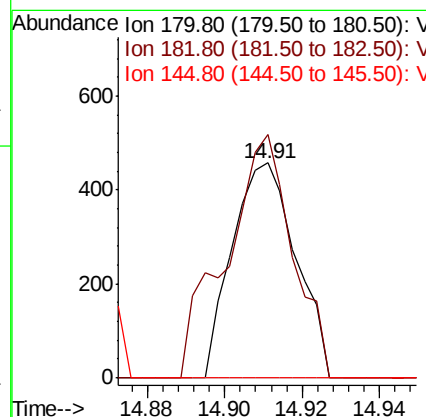
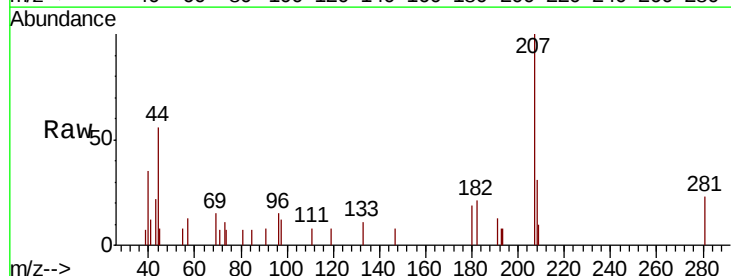
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS026-0006-01

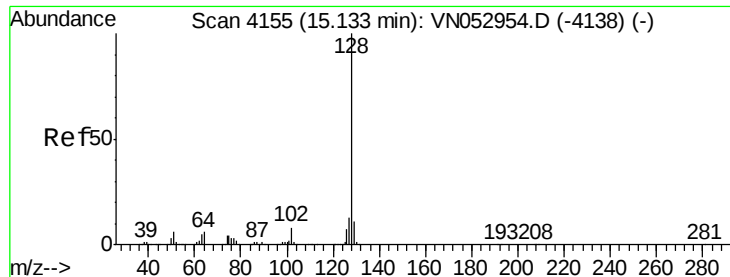
Tot Ion:105 Resp: 16053
 Ion Ratio Lower Upper
 105 100
 120 41.9 22.9 68.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.635 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053145.D
 Acq: 22 Dec 2018 20:45

Tgt Ion:180 Resp: 525
 Ion Ratio Lower Upper
 180 100
 182 117.9 47.8 143.3
 145 0.0 14.2 42.6#





#95

Naphthalene

Concen: 1.289 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053145.D

Acq: 22 Dec 2018 20:45

Instrument :

MSVOA_N

ClientSampleId :

P001-SS026-0006-01

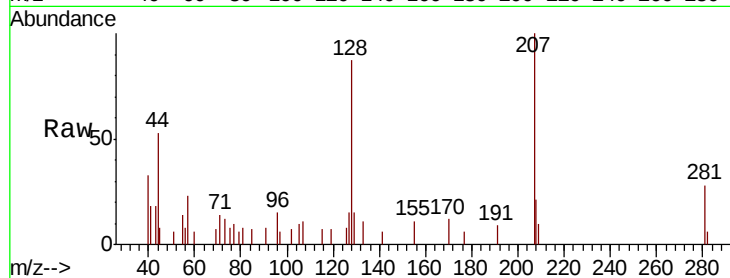
Tot Ion:128 Resp: 4224

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.4

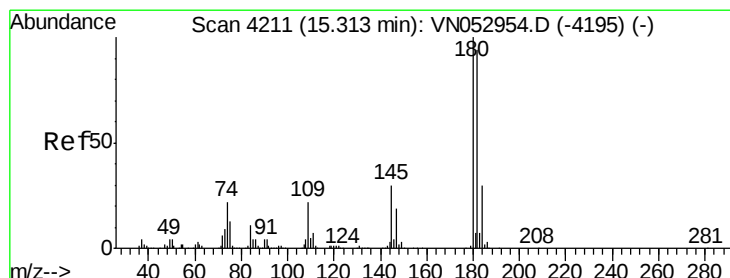
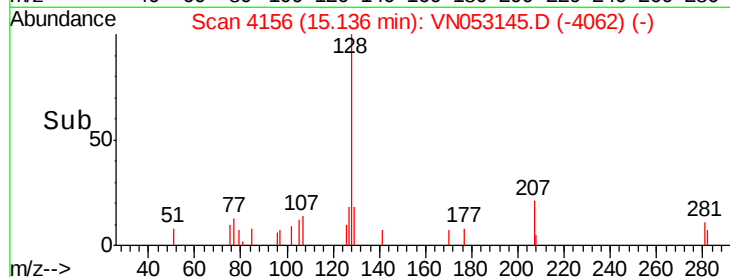
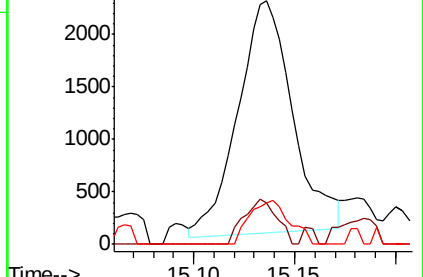
129 13.8 8.6 13.0#



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: 0.516 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN053145.D

Acq: 22 Dec 2018 20:45

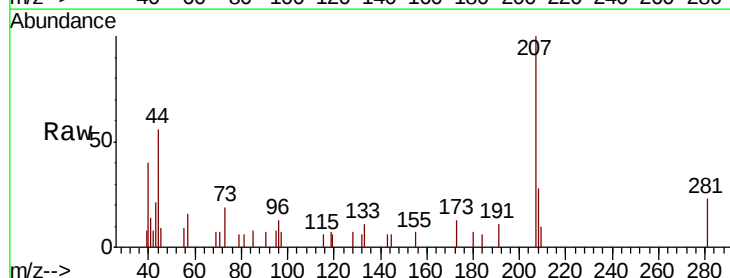
Tgt Ion:180 Resp: 100

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.7#

145 201.0 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

