

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059441.D
 Acq On : 29 Nov 2019 12:33
 Operator : JC/SP
 Sample : K6024-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 22:26:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	346836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	526532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	453746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	168306	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	194521	47.88	ug/l	0.00
Spiked Amount						
			Recovery	=	95.76%	
35) Dibromofluoromethane	7.57	113	162211	50.58	ug/l	0.00
Spiked Amount						
			Recovery	=	101.16%	
50) Toluene-d8	10.08	98	634592	49.66	ug/l	0.00
Spiked Amount						
			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	201389	45.26	ug/l	0.00
Spiked Amount						
			Recovery	=	90.52%	

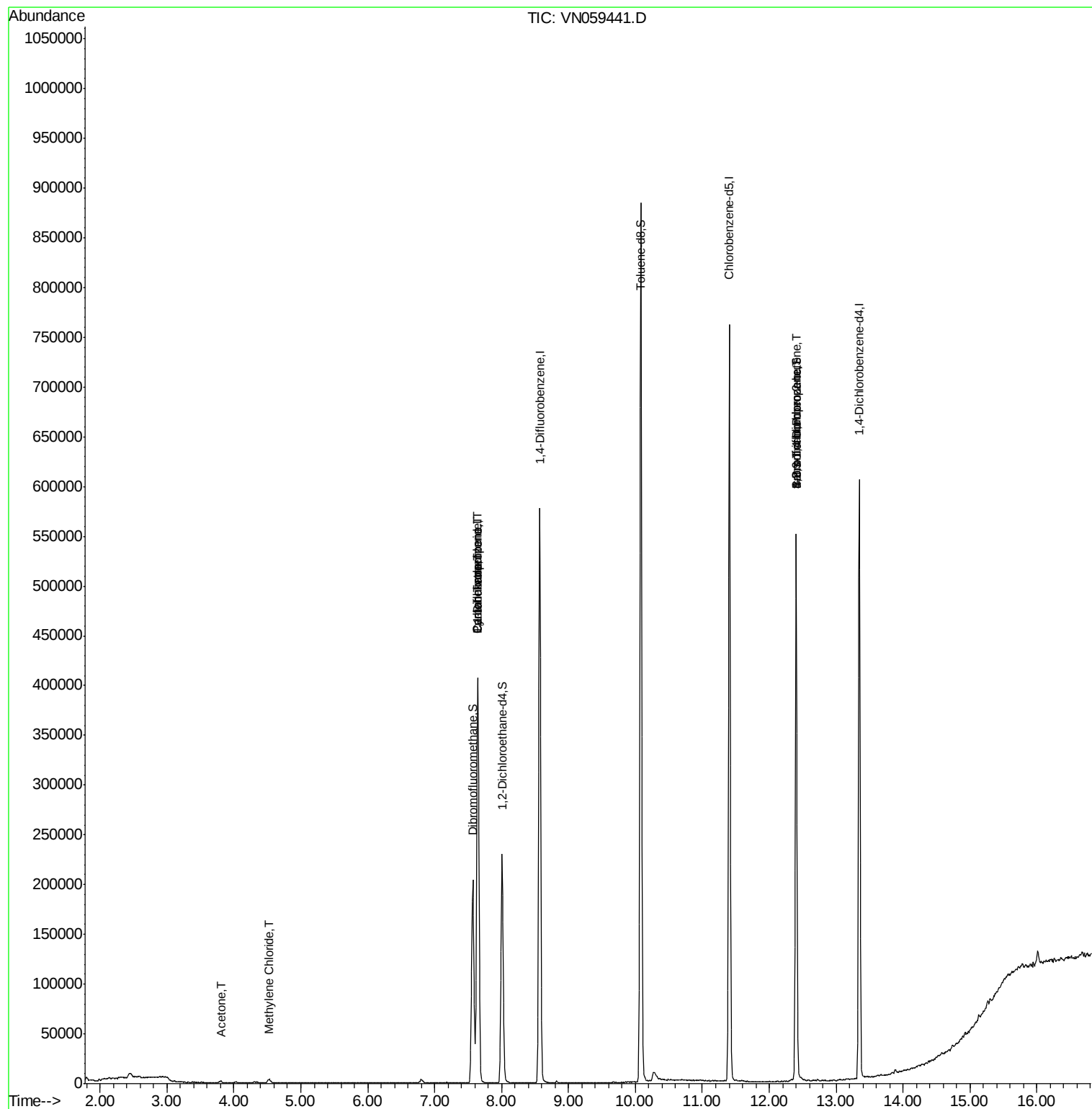
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	2433	1.257	ug/l	89
20) Methylene Chloride	4.52	84	3262	0.829	ug/l #	81
31) Cyclohexane	7.64	56	6248	0.913	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	24535	4.846	ug/l #	50
38) Carbon Tetrachloride	7.64	117	31850	6.665	ug/l #	16
70) Styrene	11.96	104	30	Below Cal	#	26
71) Bromoform	12.40	173	735	0.290	ug/l #	1
74) N-amyl acetate	12.08	43	241	Below Cal	#	42
76) 1,2,3-Trichloropropane	12.40	75	94806	24.900	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	94806	63.978	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.26	75	315	Below Cal	#	1
95) Naphthalene	15.13	128	3033	Below Cal	#	86
96) 1,2,3-Trichlorobenzene	15.30	180	916	Below Cal	#	69

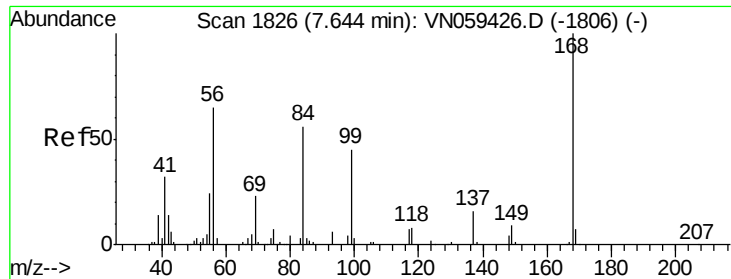
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112919\
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Quant Title : SW846 8260
QLast Update : Wed Nov 27 16:56:05 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059441.D

Acq: 29 Nov 2019 12:33

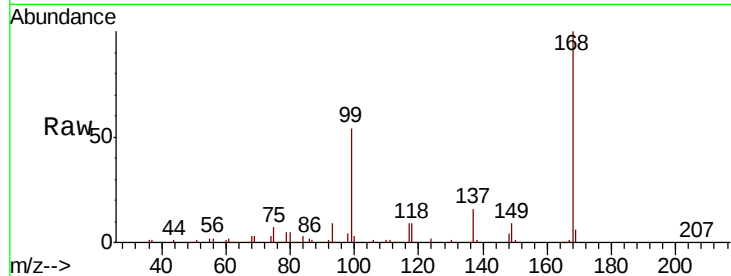
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 346836

Ion Ratio Lower Upper

168 100

99 53.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

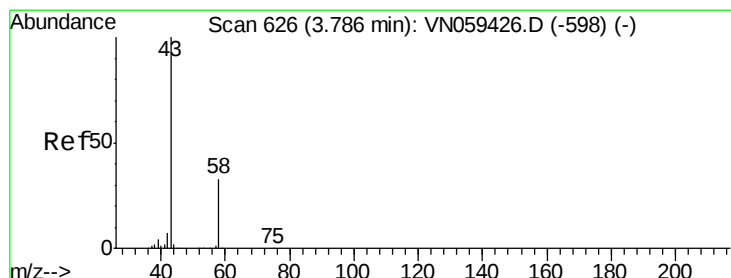
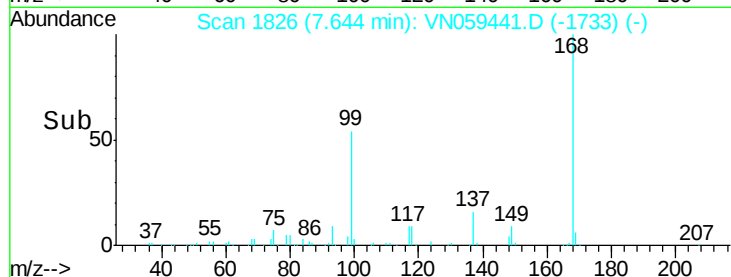
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 1.257 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.02 min

Lab File: VN059441.D

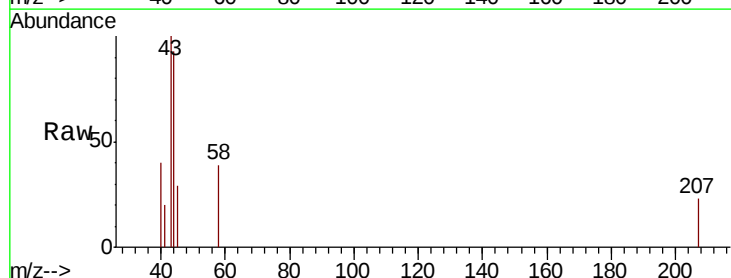
Acq: 29 Nov 2019 12:33

Tgt Ion: 43 Resp: 2433

Ion Ratio Lower Upper

43 100

58 39.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

800

600

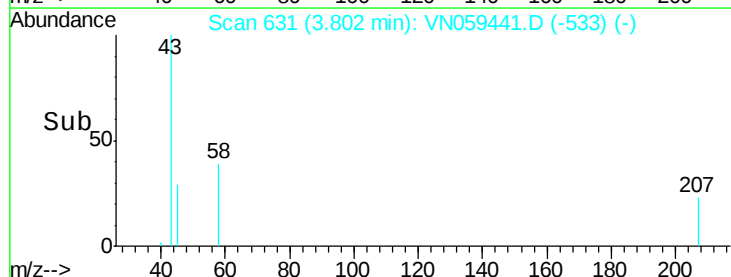
400

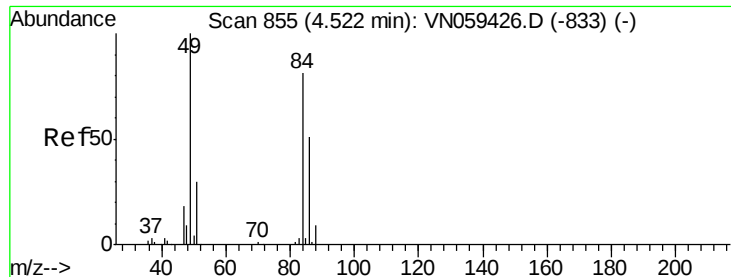
200

0

3.75 3.80 3.85

Time-->

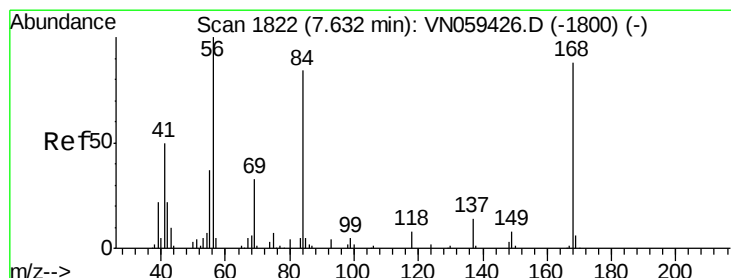
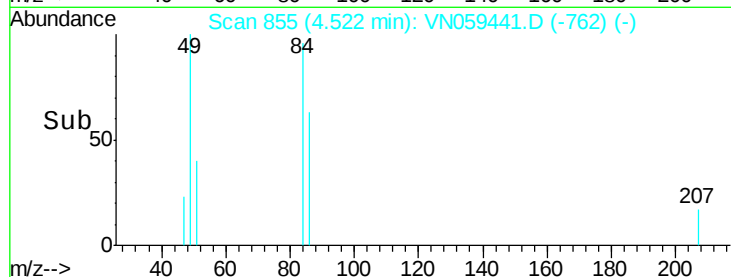
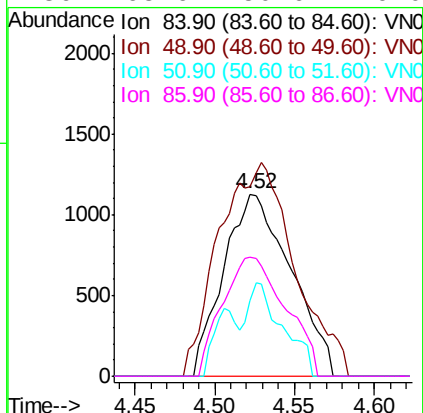
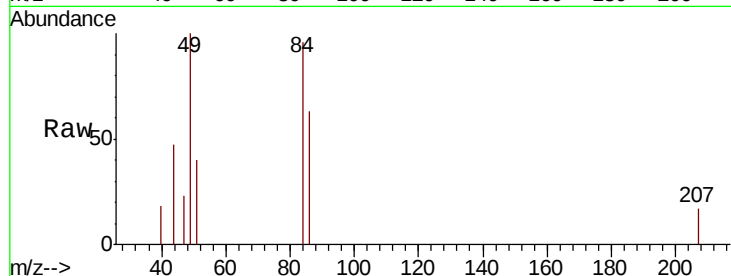




#20
Methvlene Chloride
Concen: 0.829 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059441.D
Acq: 29 Nov 2019 12:33

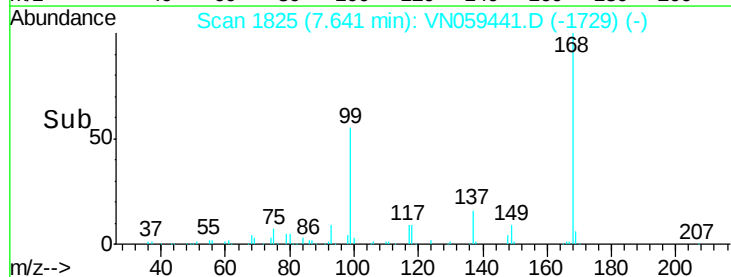
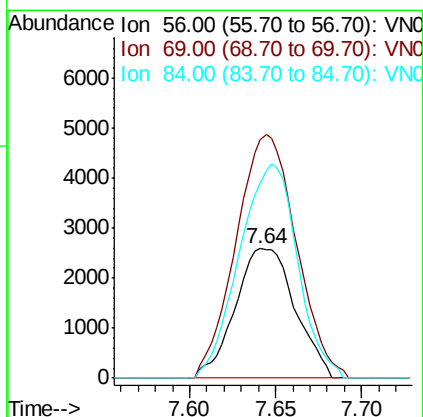
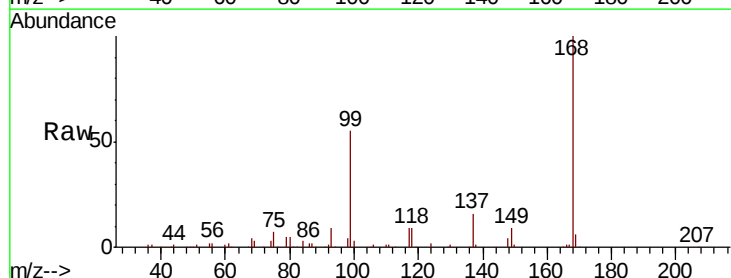
Instrument :
MSVOA_N
ClientSampleId :

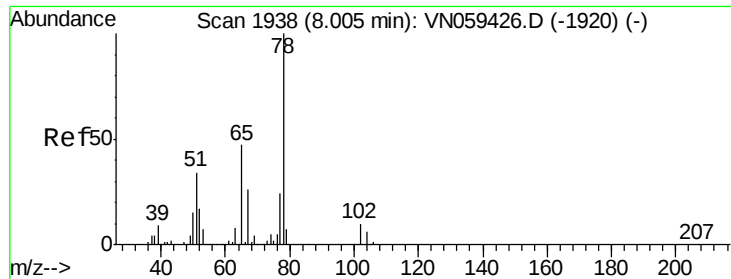
Tot Ion: 84 Resp: 3262
Ion Ratio Lower Upper
84 100
49 89.6 98.6 148.0#
51 41.3 29.4 44.0
86 65.6 50.6 76.0



#31
Cyclohexane
Concen: 0.913 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059441.D
Acq: 29 Nov 2019 12:33

Tgt Ion: 56 Resp: 6248
Ion Ratio Lower Upper
56 100
69 184.5 26.4 39.6#
84 151.3 67.0 100.6#

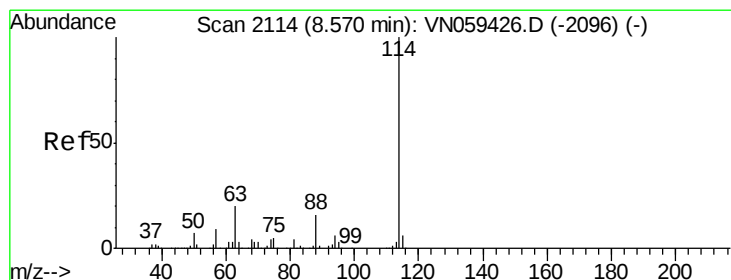
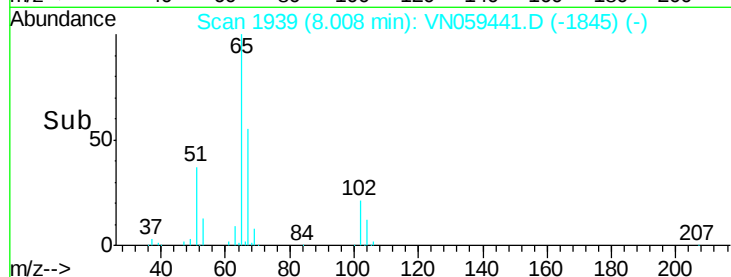
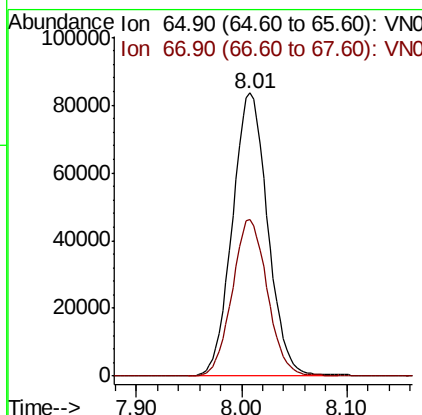
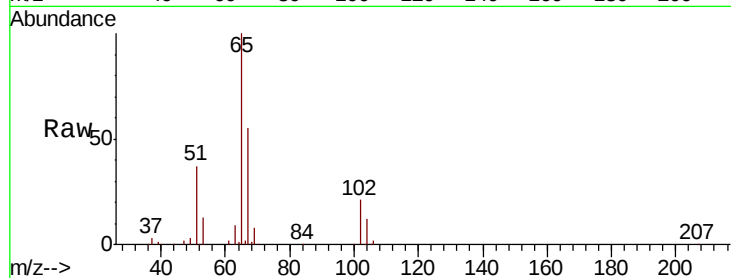




#33
 1,2-Dichloroethane-d4
 Concen: 47.878 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059441.D
 Acq: 29 Nov 2019 12:33

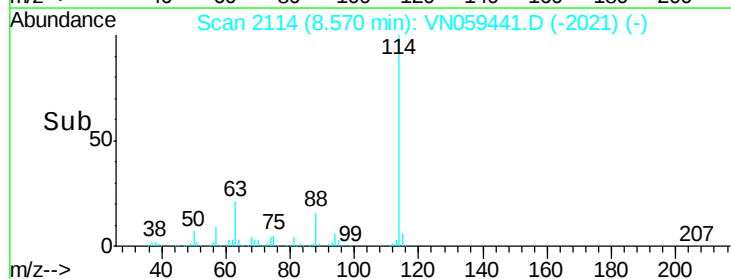
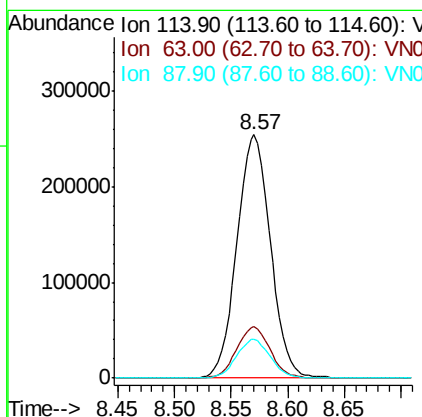
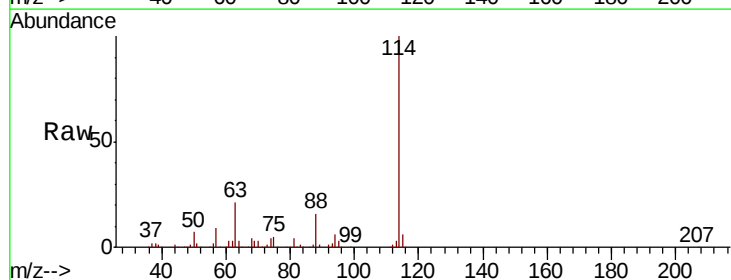
Instrument :
 MSVOA_N
 ClientSampleId :

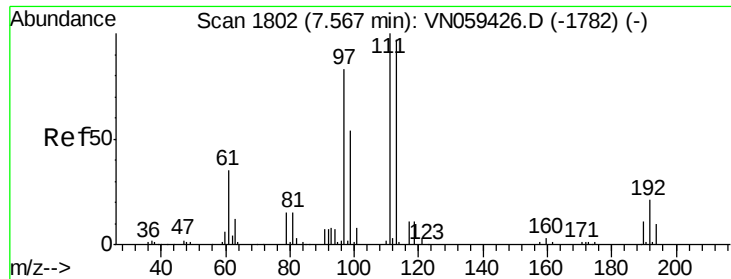
Tot Ion: 65 Resp: 194521
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059441.D
 Acq: 29 Nov 2019 12:33

Tgt Ion: 114 Resp: 526532
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 40.4
 88 16.1 0.0 32.2

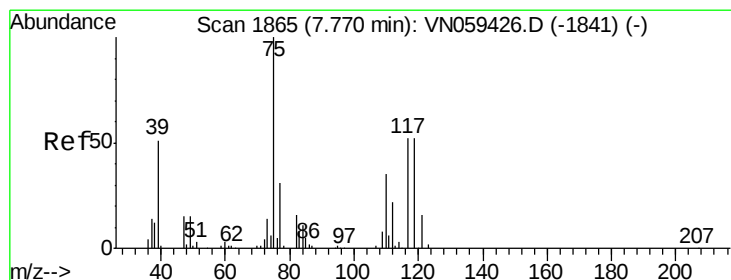
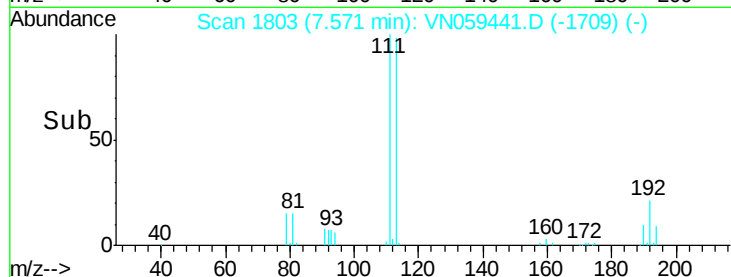
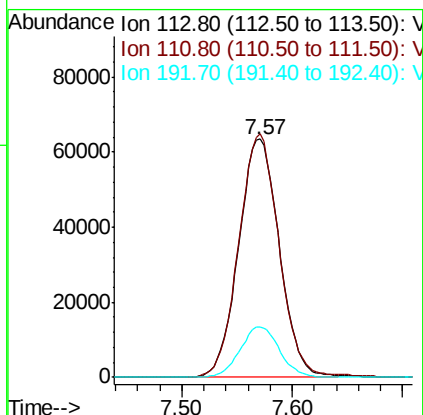
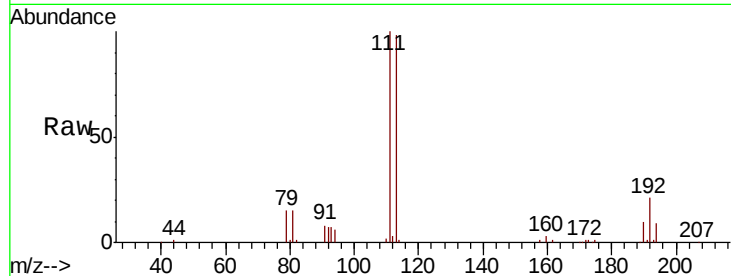




#35
 Dibromofluoromethane
 Concen: 50.577 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059441.D
 Acq: 29 Nov 2019 12:33

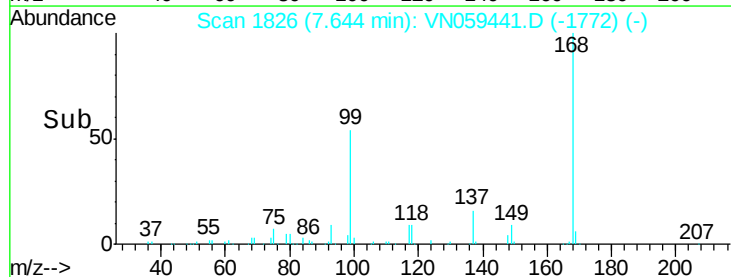
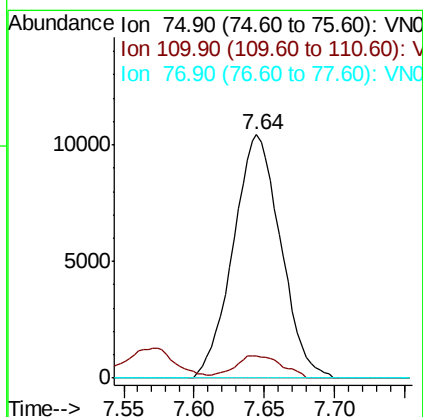
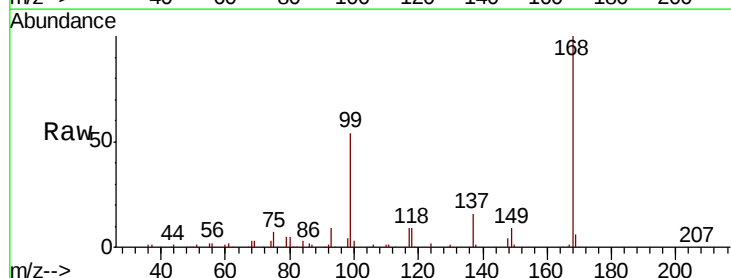
Instrument :
 MSVOA_N
 ClientSampleId :

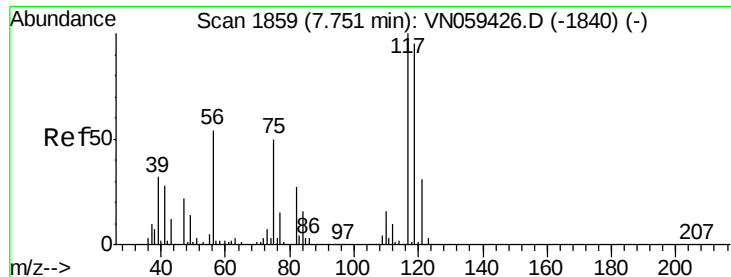
Tot Ion:113 Resp: 162211
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.9 122.9
 192 20.5 16.6 24.8



#36
 1,1-Dichloropropene
 Concen: 4.846 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059441.D
 Acq: 29 Nov 2019 12:33

Tgt Ion: 75 Resp: 24535
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.3 52.0#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.665 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059441.D

Acq: 29 Nov 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

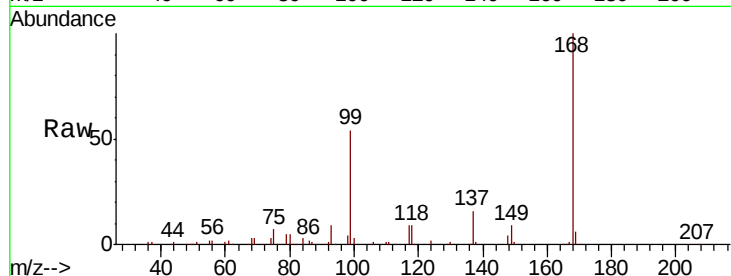
Tot Ion:117 Resp: 31850

Ion Ratio Lower Upper

117 100

119 5.1 75.9 113.9#

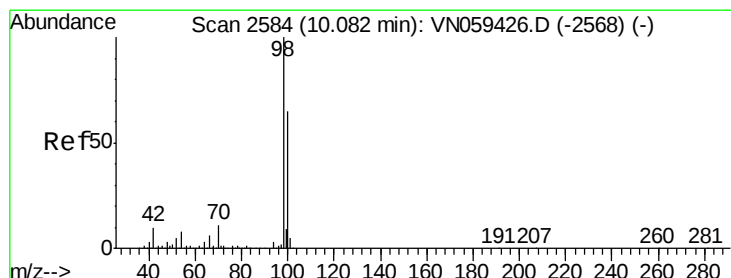
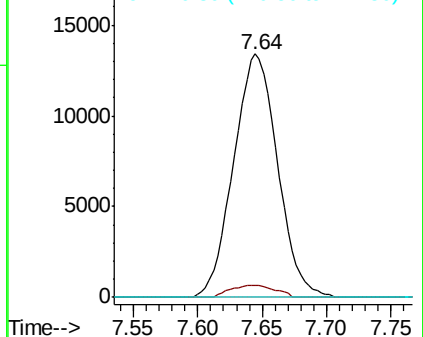
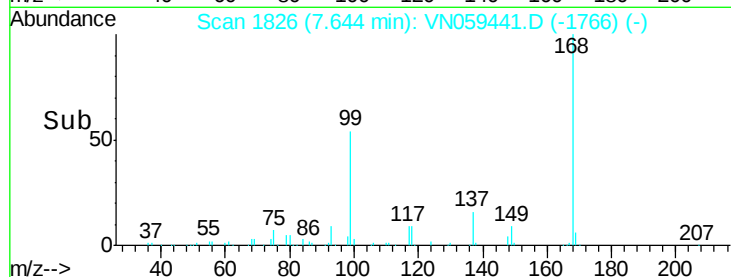
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 49.658 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059441.D

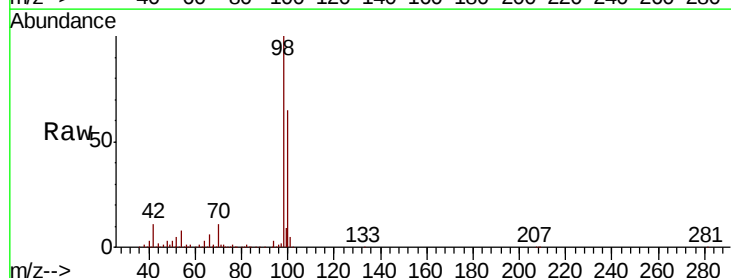
Acq: 29 Nov 2019 12:33

Tgt Ion: 98 Resp: 634592

Ion Ratio Lower Upper

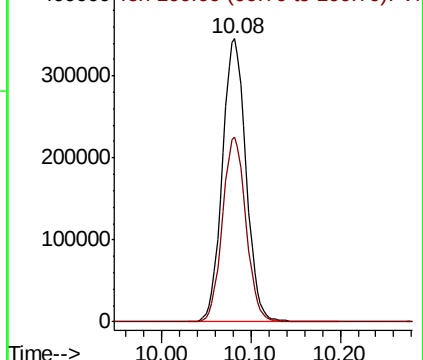
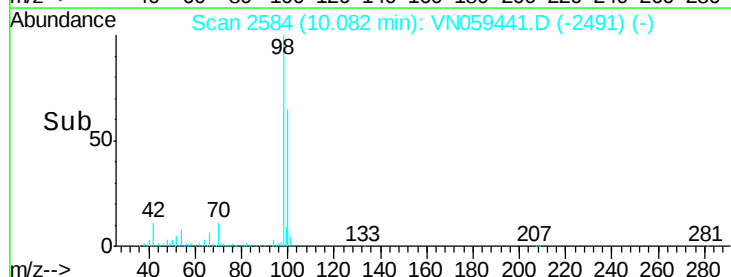
98 100

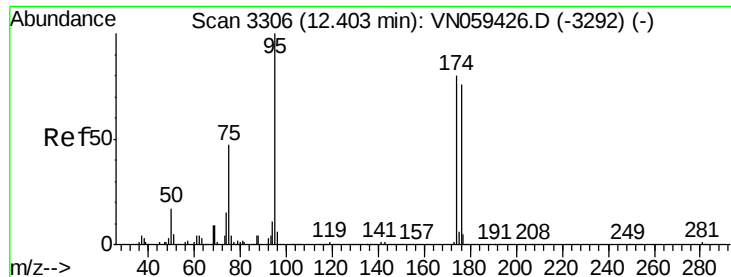
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 45.261 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059441.D

Acq: 29 Nov 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

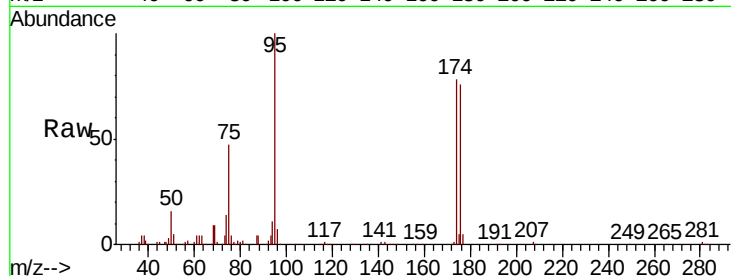
Tot Ion: 95 Resp: 201389

Ion Ratio Lower Upper

95 100

174 78.5 0.0 158.0

176 76.7 0.0 153.0

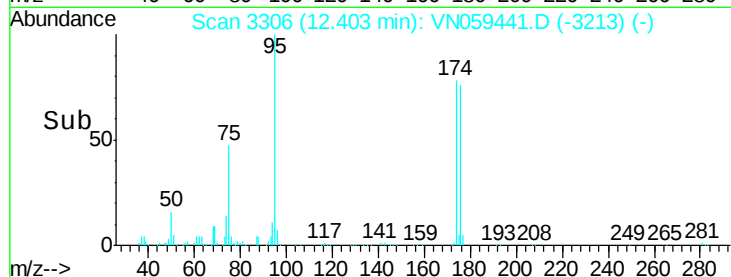


Abundance Ion 94.90 (94.60 to 95.60): VN059426.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN059426.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN059426.D (-3292) (-)

Time-->

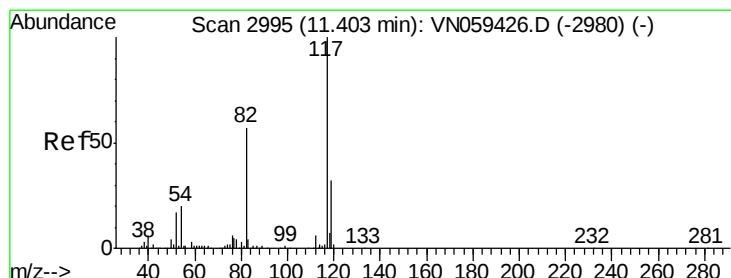


Abundance Ion 94.90 (94.60 to 95.60): VN059441.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN059441.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN059441.D (-3213) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059441.D

Acq: 29 Nov 2019 12:33

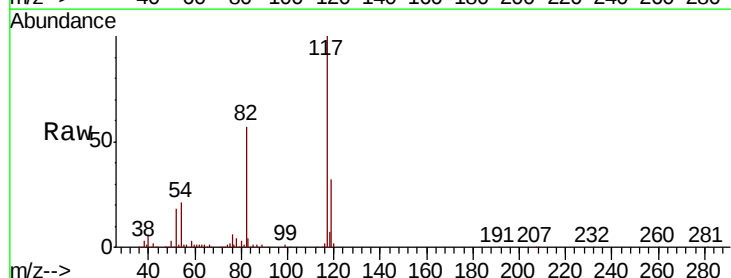
Tgt Ion: 117 Resp: 453746

Ion Ratio Lower Upper

117 100

82 57.0 45.4 68.0

119 32.2 25.6 38.4

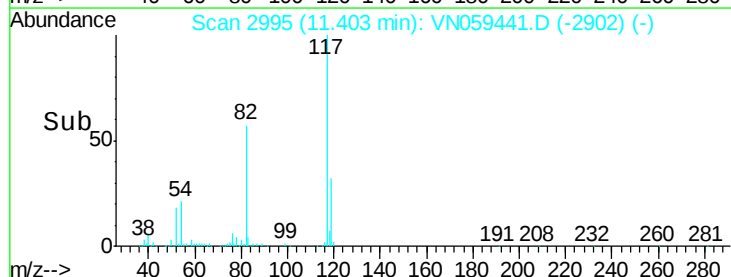


Abundance Ion 116.90 (116.60 to 117.60): VN059426.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059426.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059426.D (-2980) (-)

Time-->

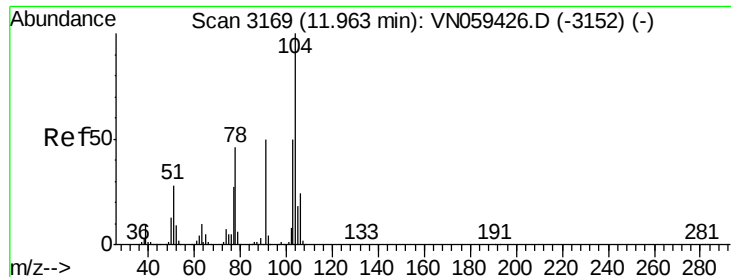


Abundance Ion 116.90 (116.60 to 117.60): VN059441.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059441.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059441.D (-2902) (-)

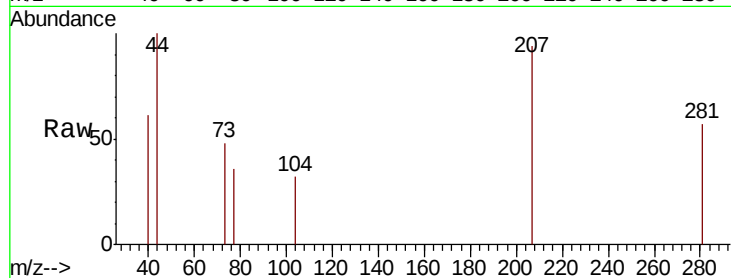
Time-->



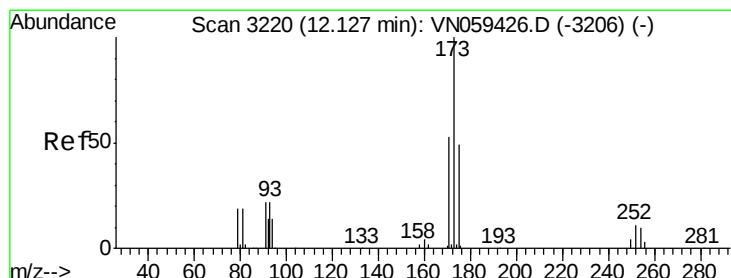
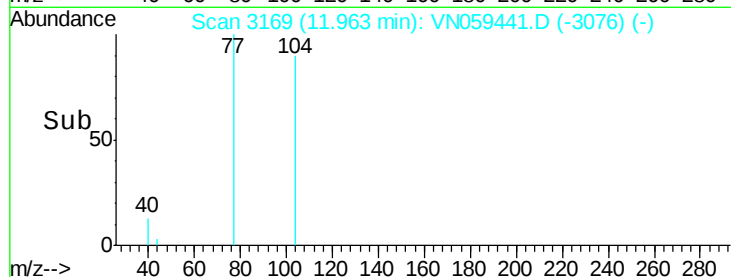
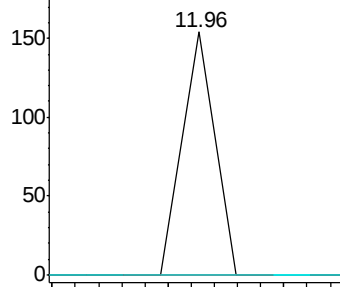
#70
Stvrene
Concen: Below Cal
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059441.D
Acq: 29 Nov 2019 12:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:104 Resp: 30
Ion Ratio Lower Upper
104 100
78 0.0 40.4 60.6#
103 0.0 43.8 65.6#

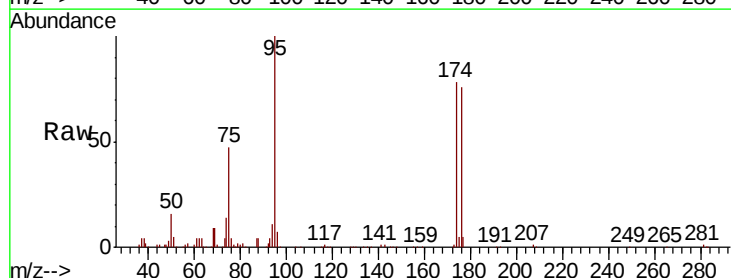


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

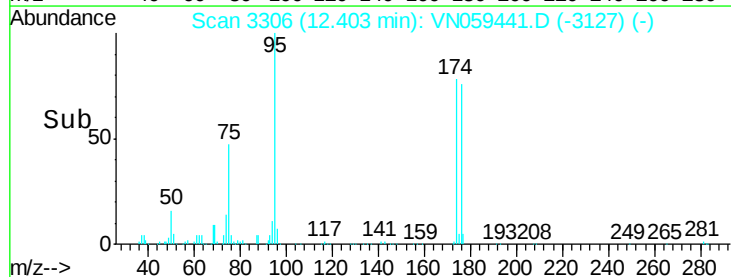
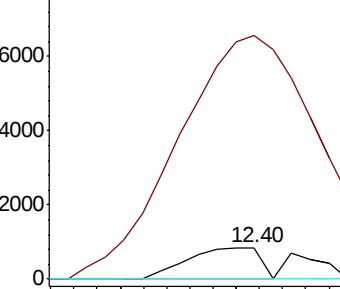


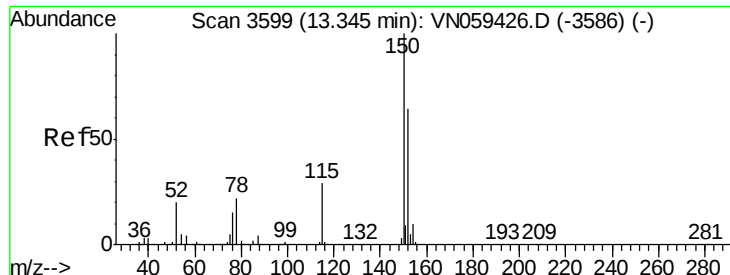
#71
Bromoform
Concen: 0.290 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN059441.D
Acq: 29 Nov 2019 12:33

Tgt Ion:173 Resp: 735
Ion Ratio Lower Upper
173 100
175 1309.3 24.1 72.3#
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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059441.D

Acq: 29 Nov 2019 12:33

Instrument :

MSVOA_N

ClientSampleId :

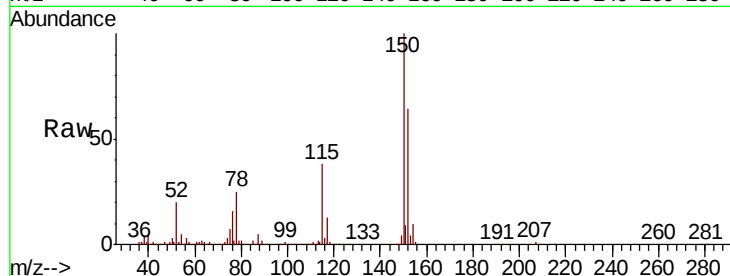
Tot Ion:152 Resp: 168306

Ion Ratio Lower Upper

152 100

115 58.9 29.5 88.6

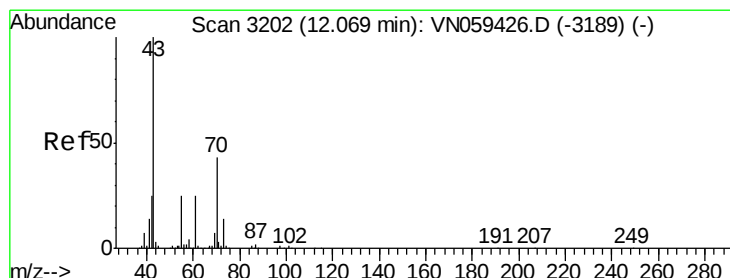
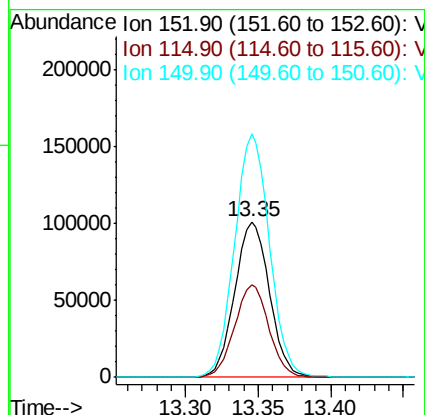
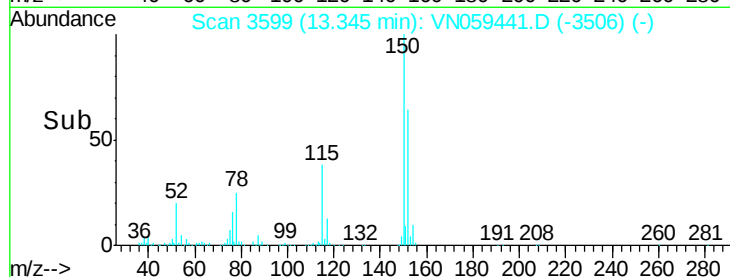
150 157.5 0.0 347.2



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN059441.D

Acq: 29 Nov 2019 12:33

Tgt Ion: 43 Resp: 241

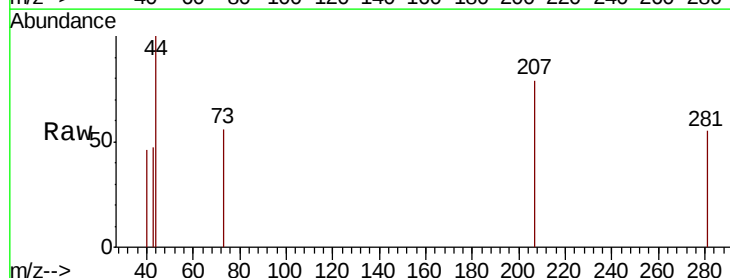
Ion Ratio Lower Upper

43 100

70 0.0 34.6 52.0#

55 0.0 20.5 30.7#

61 0.0 20.2 30.4#

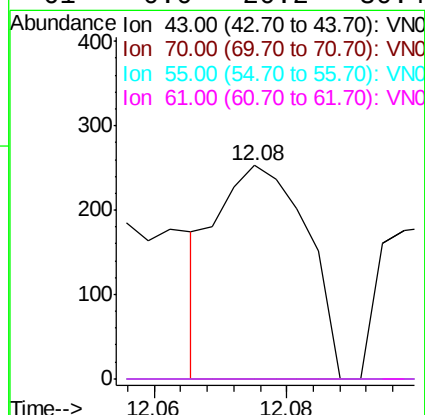
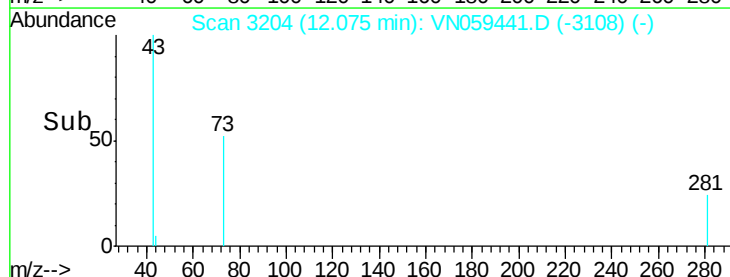


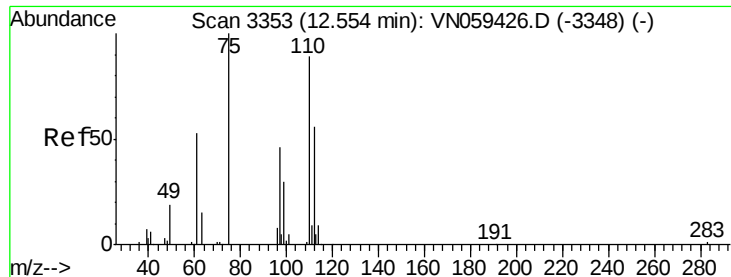
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 24.900 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059441.D

Acq: 29 Nov 2019 12:33

Instrument :

MSVOA_N

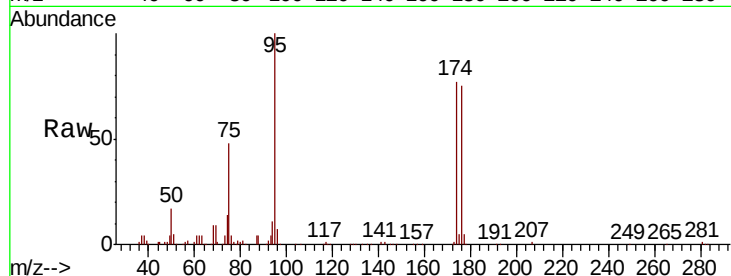
ClientSampleId :

Tot Ion: 75 Resp: 94806

Ion Ratio Lower Upper

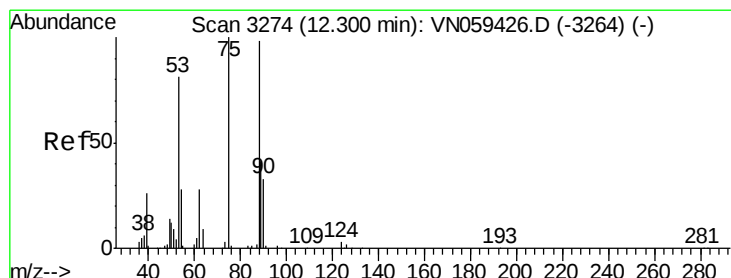
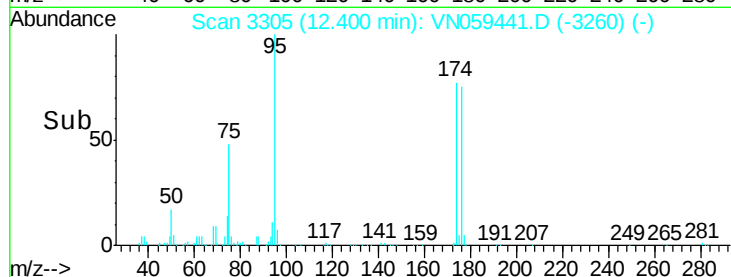
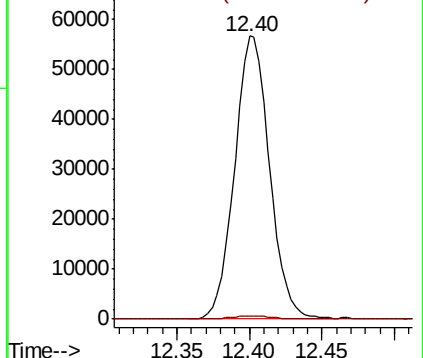
75 100

77 1.3 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: 63.978 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059441.D

Acq: 29 Nov 2019 12:33

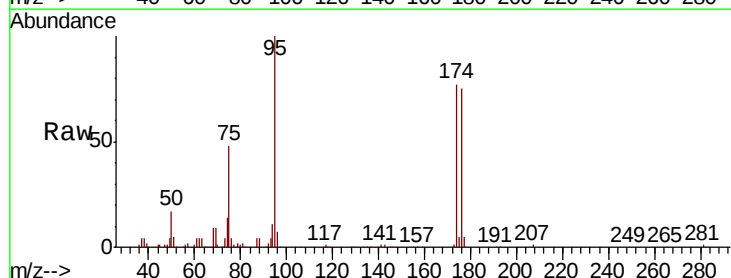
Tgt Ion: 75 Resp: 94806

Ion Ratio Lower Upper

75 100

53 0.0 66.2 99.4#

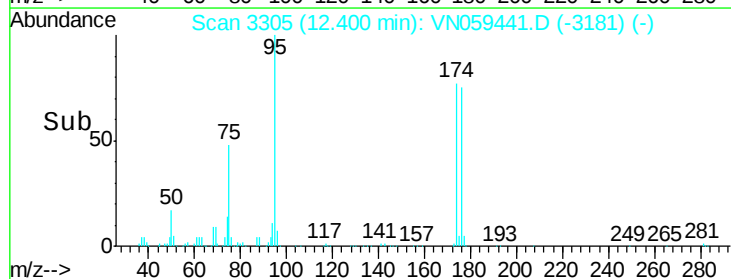
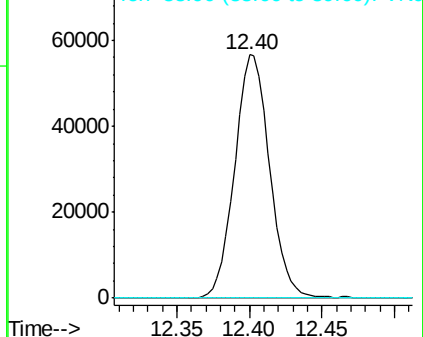
89 0.0 33.9 50.9#

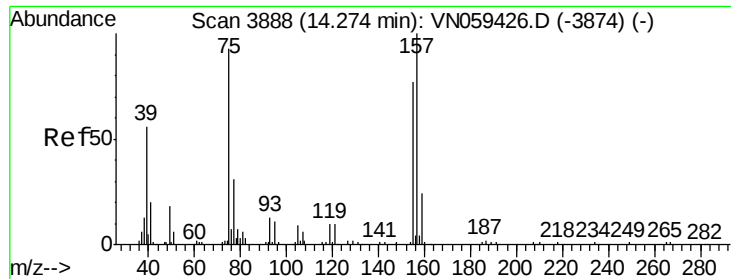


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

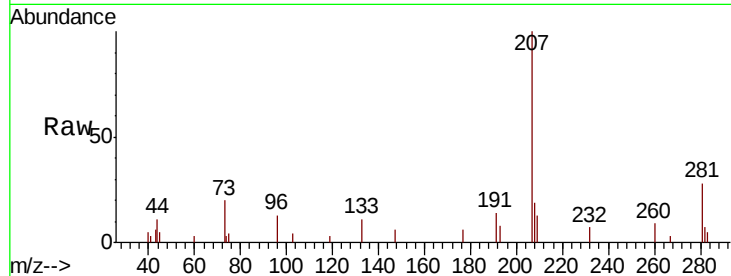




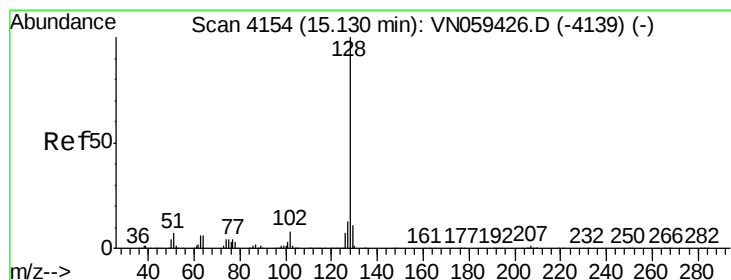
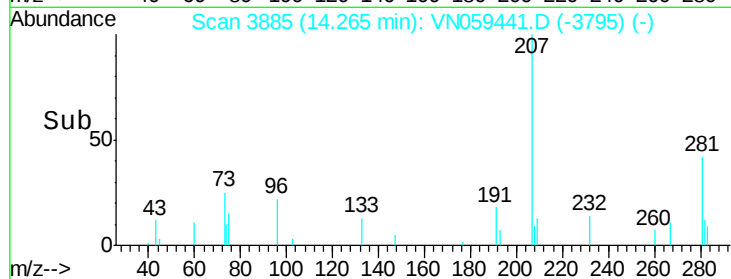
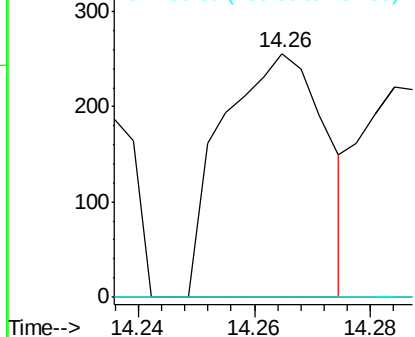
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.01 min
 Lab File: VN059441.D
 Acq: 29 Nov 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 315
 Ion Ratio Lower Upper
 75 100
 155 0.0 41.9 125.8#
 157 0.0 54.1 162.3#

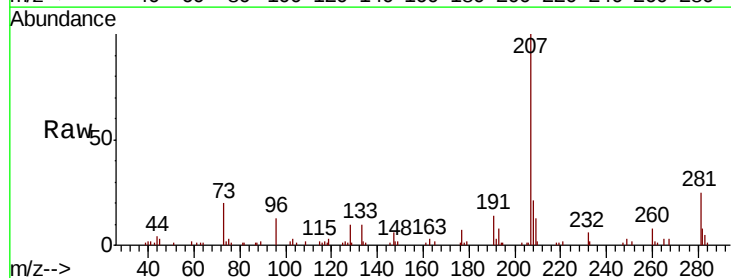


Abundance Ion 74.90 (74.60 to 75.60): VN059441.D (-3795) (-)
 Ion 154.80 (154.50 to 155.50): VN059441.D (-3795) (-)
 Ion 156.80 (156.50 to 157.50): VN059441.D (-3795) (-)

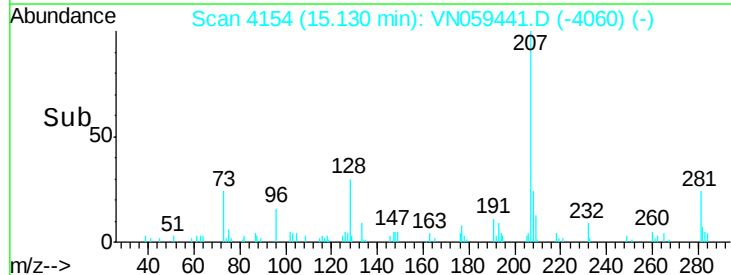
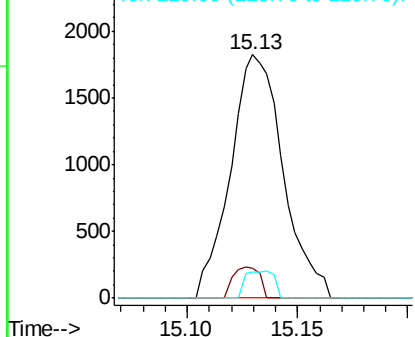


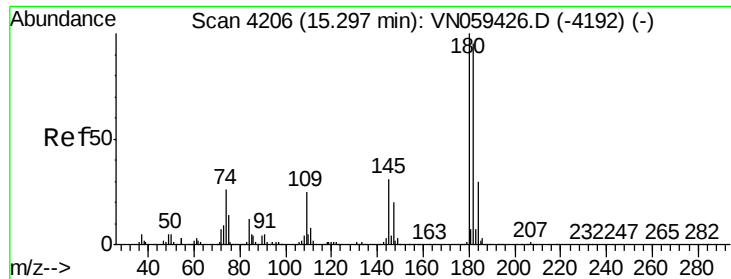
#95
 Naphthalene
 Concen: Below Cal
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059441.D
 Acq: 29 Nov 2019 12:33

Tgt Ion: 128 Resp: 3033
 Ion Ratio Lower Upper
 128 100
 127 6.4 10.1 15.1#
 129 6.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059441.D (-4060) (-)
 Ion 127.00 (126.70 to 127.70): VN059441.D (-4060) (-)
 Ion 129.00 (128.70 to 129.70): VN059441.D (-4060) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.00 min
 Lab File: VN059441.D
 Acq: 29 Nov 2019 12:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	65.4	47.5	142.6
145	49.8	15.7	47.1#

