

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059445.D
 Acq On : 29 Nov 2019 14:01
 Operator : JC/SP
 Sample : K6024-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 22:27:30 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	7.65	168	340074	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	522988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	458168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	174907	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	193688	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
35) Dibromofluoromethane	7.57	113	158226	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	
50) Toluene-d8	10.08	98	630127	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	201888	45.68	ug/l	0.00
Spiked Amount			Recovery	=	91.36%	

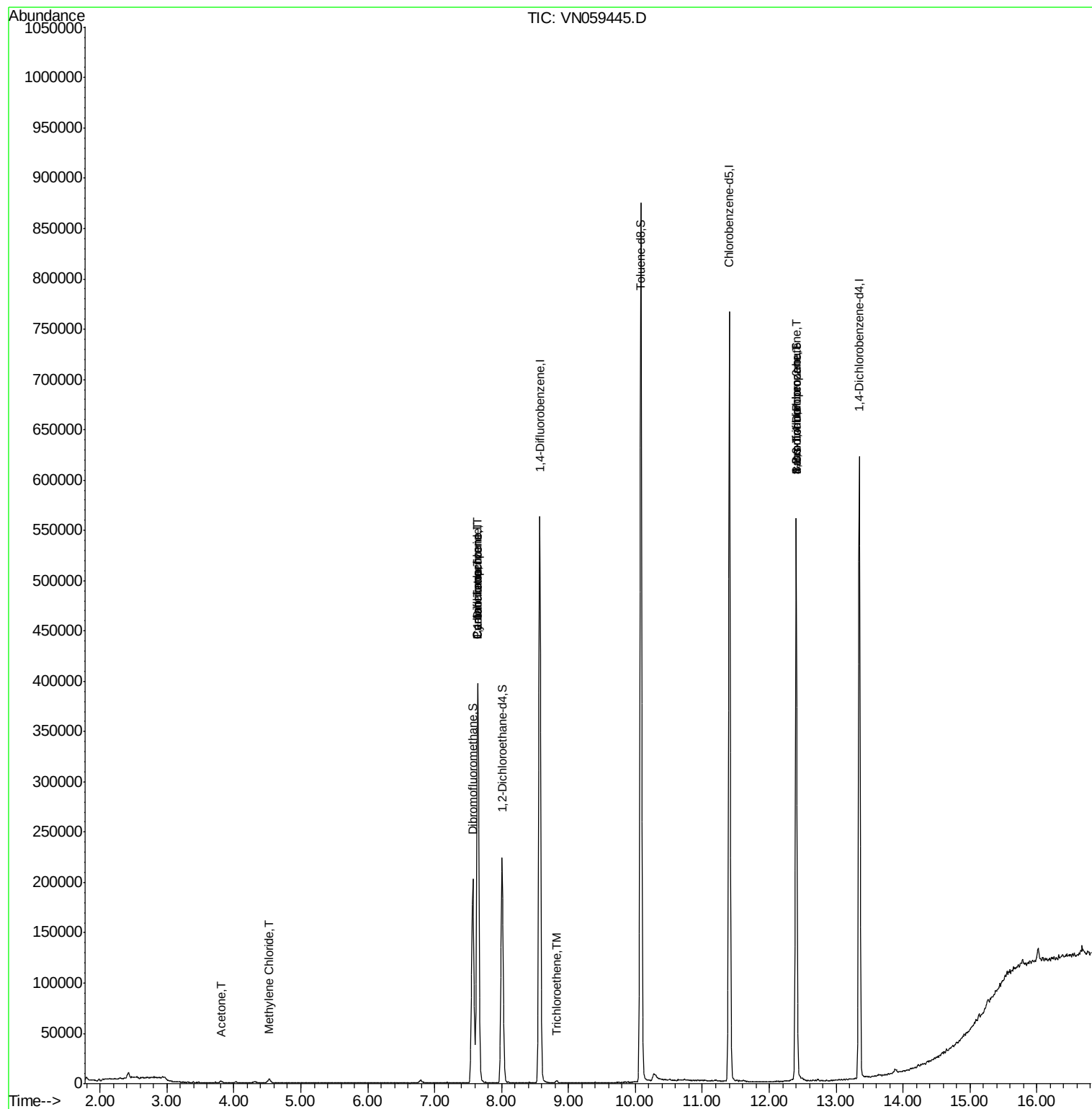
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	2742	1.445	ug/l #	87
20) Methylene Chloride	4.53	84	3169	0.822	ug/l #	81
31) Cyclohexane	7.65	56	6050	0.902	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	24424	4.856	ug/l #	49
38) Carbon Tetrachloride	7.64	117	32246	6.794	ug/l #	17
44) Trichloroethene	8.82	130	854	0.224	ug/l	69
71) Bromoform	12.41	173	1057	0.413	ug/l #	1
74) N-amyl acetate	12.06	43	268	Below Cal	#	42
76) 1,2,3-Trichloropropane	12.40	75	98202	24.818	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	98202	63.769	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.26	75	168	Below Cal	#	1
95) Naphthalene	15.13	128	2720	Below Cal	#	87
96) 1,2,3-Trichlorobenzene	15.30	180	617	Below Cal	#	80

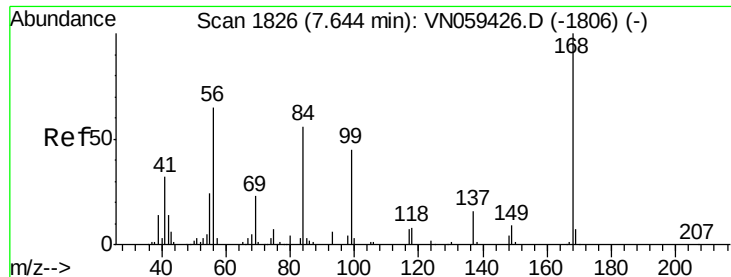
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059445.D

Acq: 29 Nov 2019 14:01

Instrument :

MSVOA_N

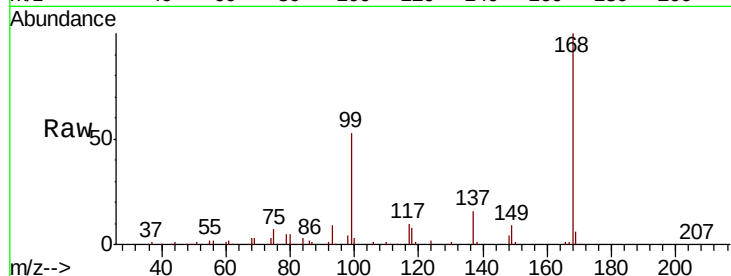
ClientSampleId :

Tot Ion:168 Resp: 340074

Ion Ratio Lower Upper

168 100

99 53.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

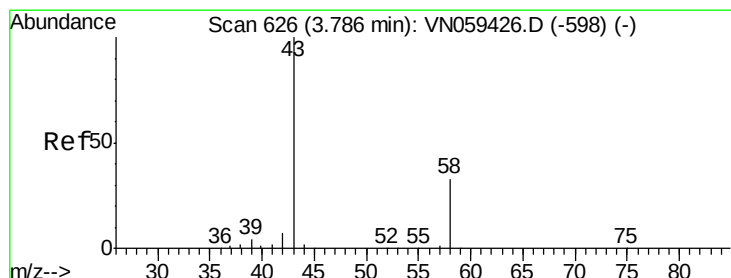
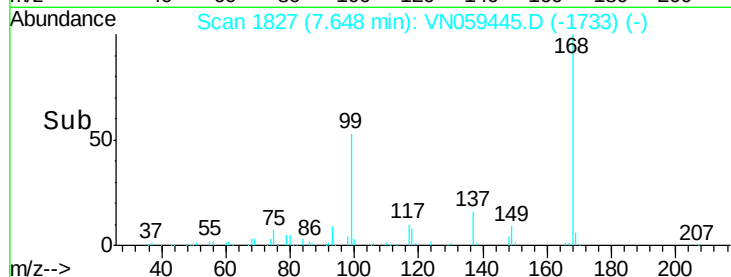
100000

50000

0

7.60 7.70

Time-->



#16

Acetone

Concen: 1.445 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059445.D

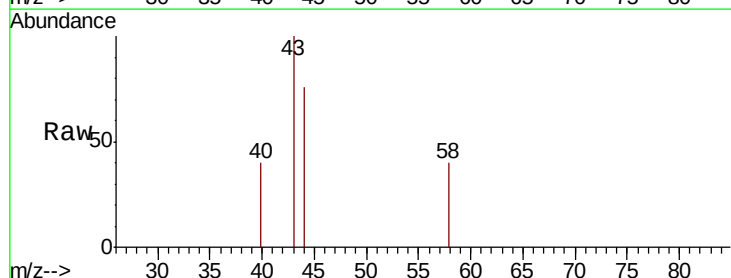
Acq: 29 Nov 2019 14:01

Tgt Ion: 43 Resp: 2742

Ion Ratio Lower Upper

43 100

58 40.4 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

1000

800

600

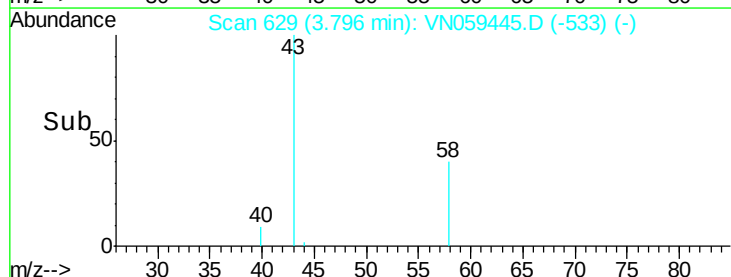
400

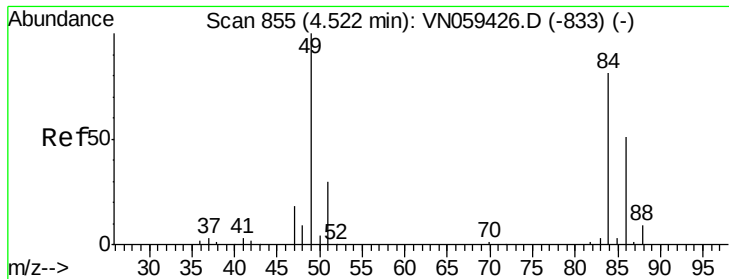
200

0

3.75 3.80 3.85

Time-->

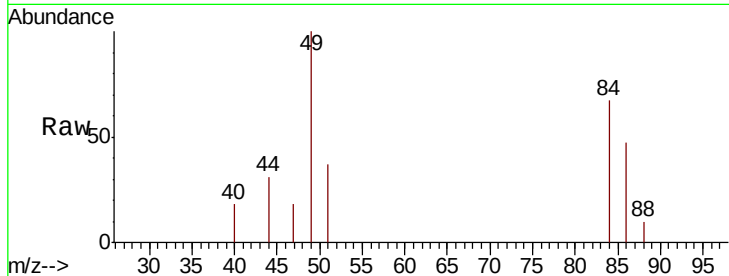




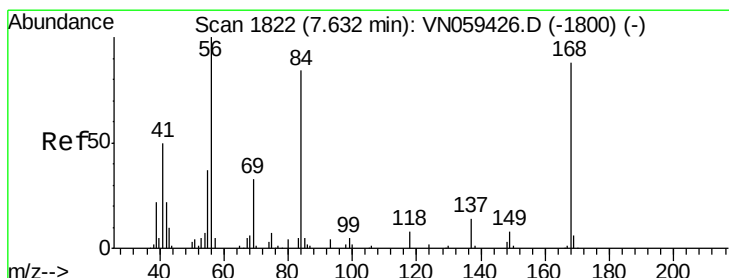
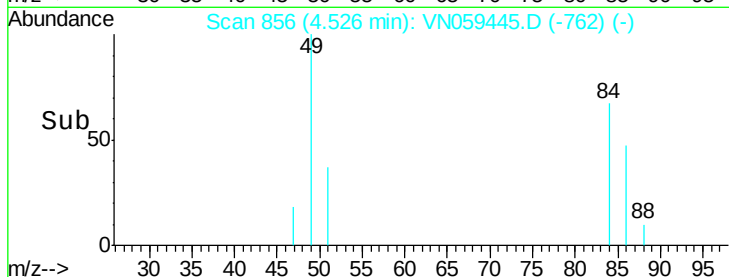
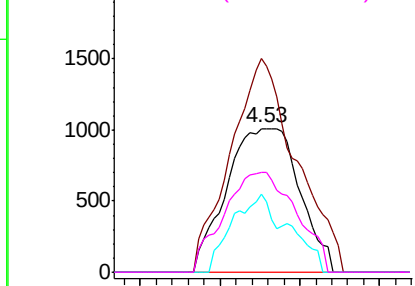
#20
Methylene Chloride
Concen: 0.822 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059445.D
Acq: 29 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 3169
Ion Ratio Lower Upper
84 100
49 148.3 98.6 148.0#
51 54.4 29.4 44.0#
86 69.6 50.6 76.0

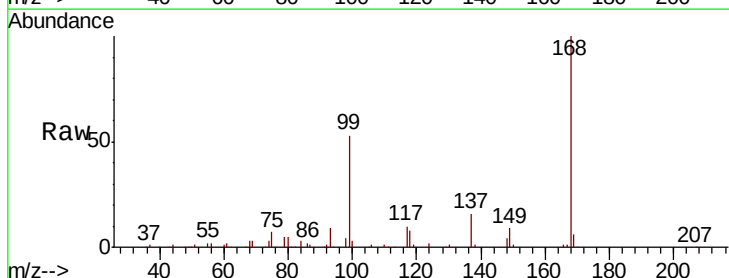


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

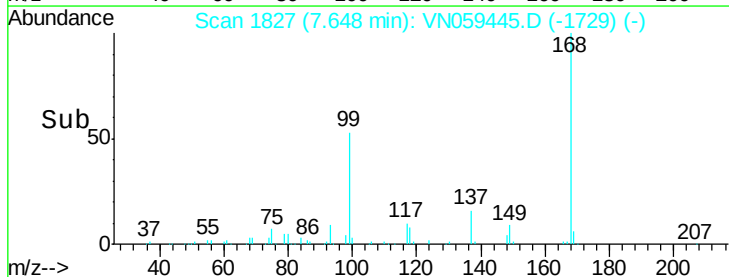
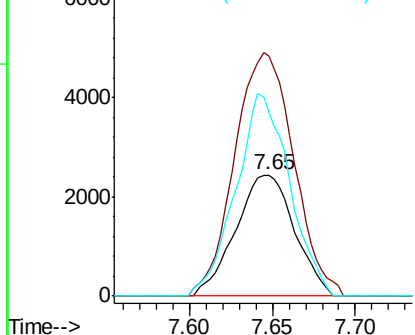


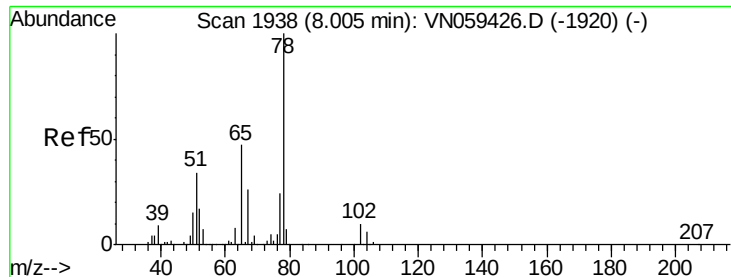
#31
Cyclohexane
Concen: 0.902 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.02 min
Lab File: VN059445.D
Acq: 29 Nov 2019 14:01

Tgt Ion: 56 Resp: 6050
Ion Ratio Lower Upper
56 100
69 198.0 26.4 39.6#
84 151.6 67.0 100.6#



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

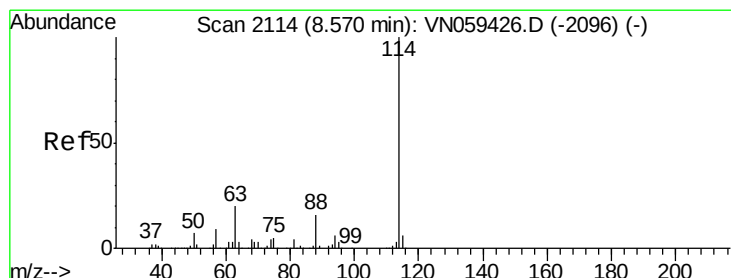
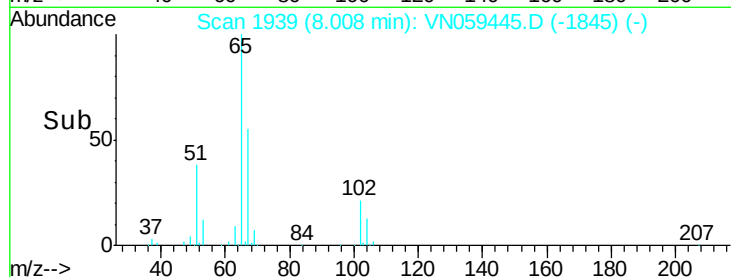
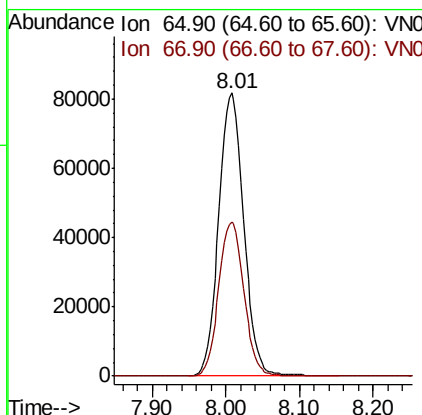
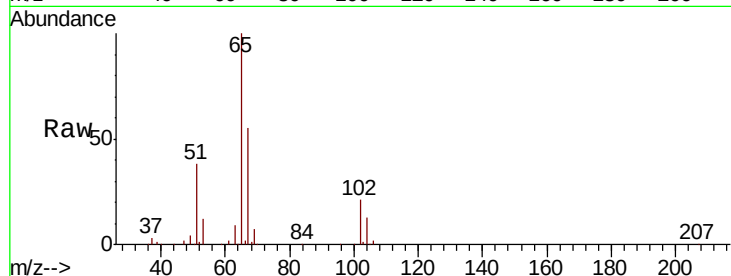




#33
 1,2-Dichloroethane-d4
 Concen: 48.621 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059445.D
 Acq: 29 Nov 2019 14:01

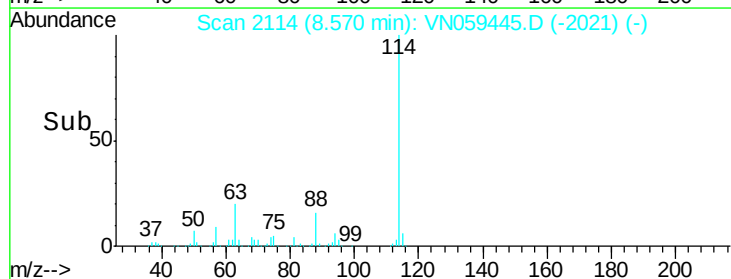
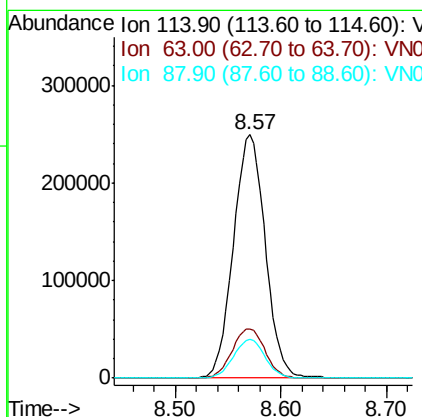
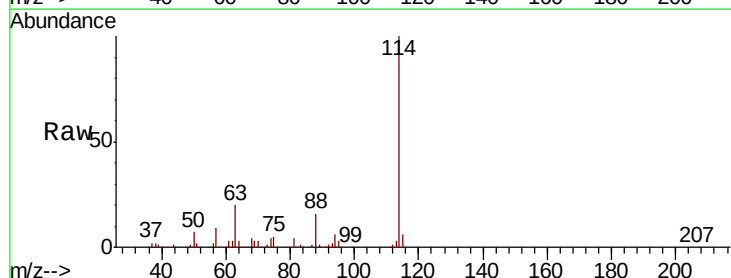
Instrument :
 MSVOA_N
 ClientSampled :

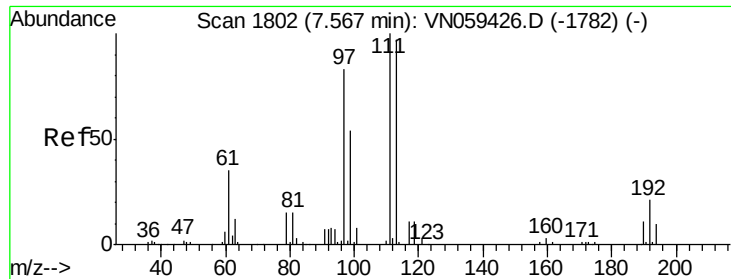
Tot Ion: 65 Resp: 193688
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059445.D
 Acq: 29 Nov 2019 14:01

Tgt Ion: 114 Resp: 522988
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.4
 88 16.0 0.0 32.2

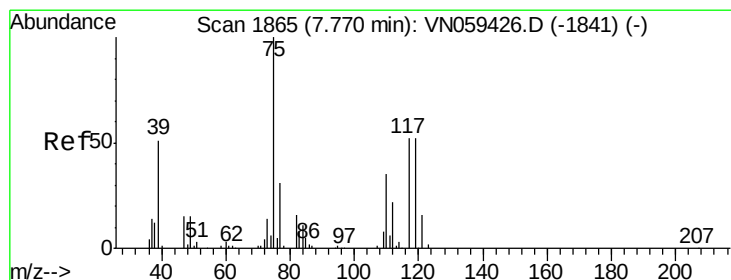
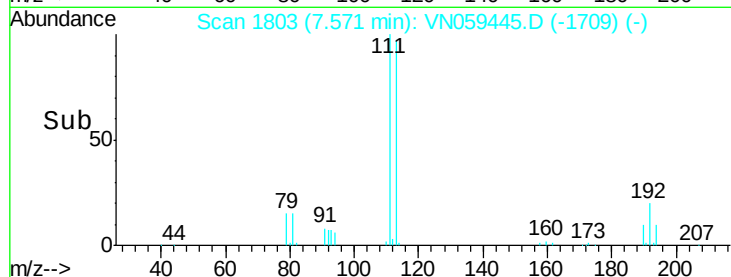
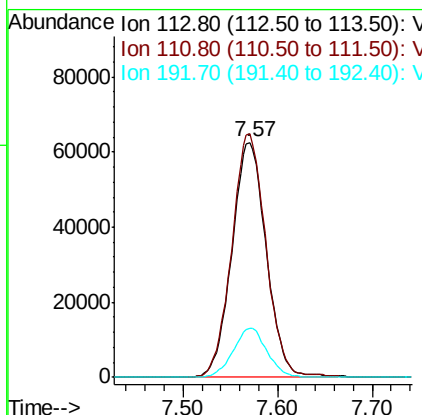
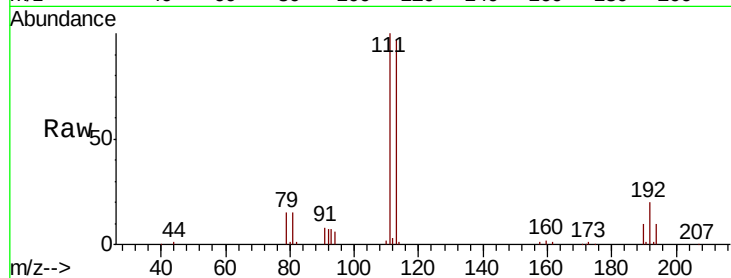




#35
 Dibromofluoromethane
 Concen: 49.669 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059445.D
 Acq: 29 Nov 2019 14:01

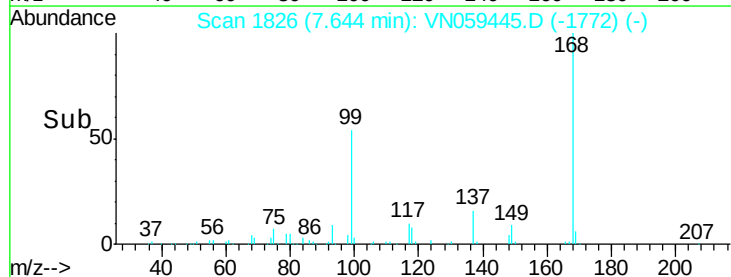
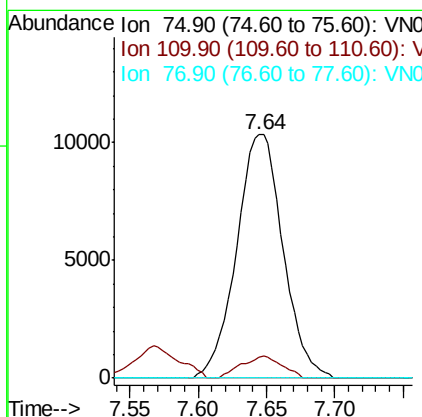
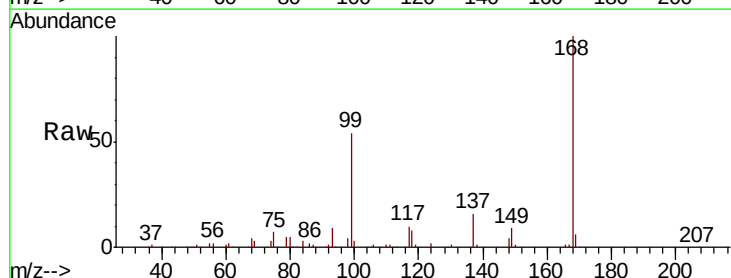
Instrument :
 MSVOA_N
 ClientSampleId :

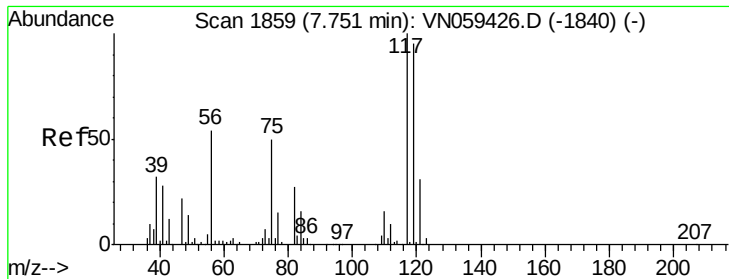
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.9	122.9
192	20.5	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 4.856 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059445.D
 Acq: 29 Nov 2019 14:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	17.3	52.0#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.794 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059445.D

Acq: 29 Nov 2019 14:01

Instrument :

MSVOA_N

ClientSampled :

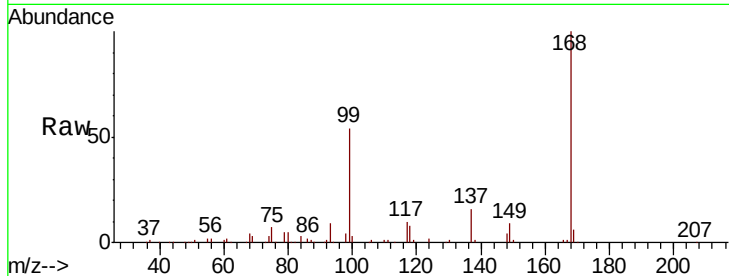
Tot Ion:117 Resp: 32246

Ion Ratio Lower Upper

117 100

119 5.4 75.9 113.9#

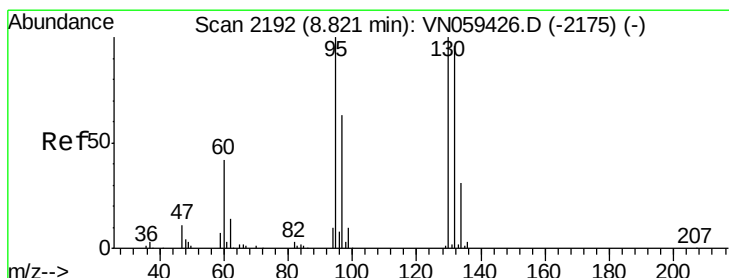
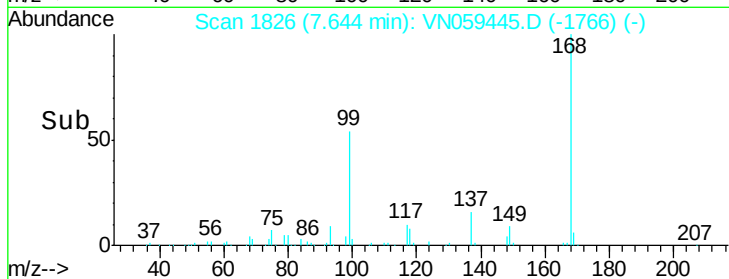
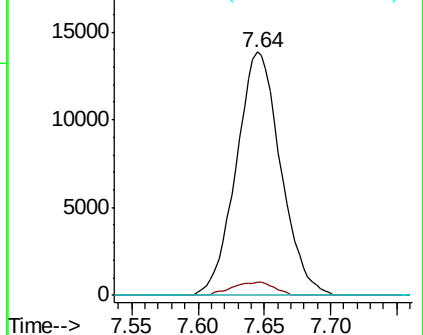
121 0.0 24.6 36.8#



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



#44

Trichloroethene

Concen: 0.224 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059445.D

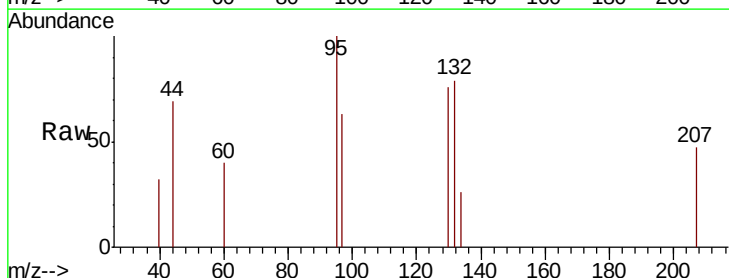
Acq: 29 Nov 2019 14:01

Tgt Ion:130 Resp: 854

Ion Ratio Lower Upper

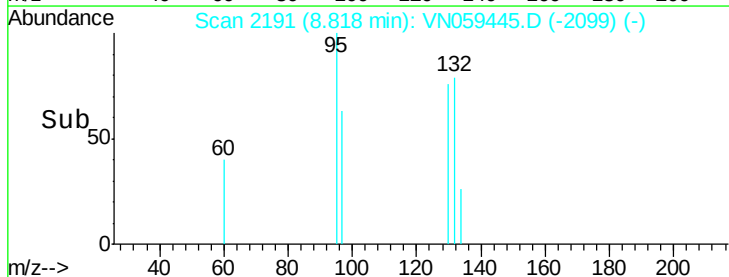
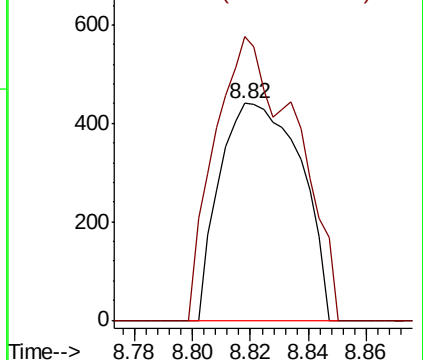
130 100

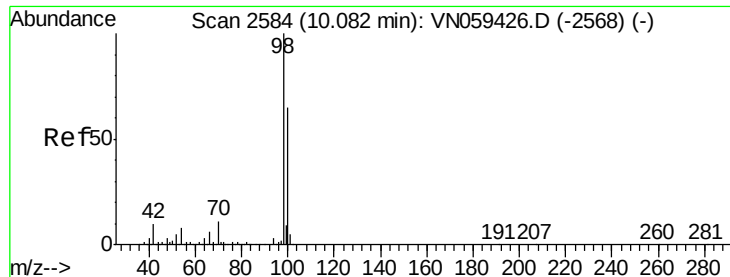
95 130.9 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.643 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059445.D

Acq: 29 Nov 2019 14:01

Instrument :

MSVOA_N

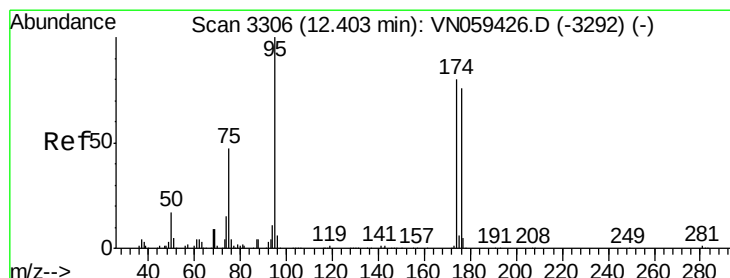
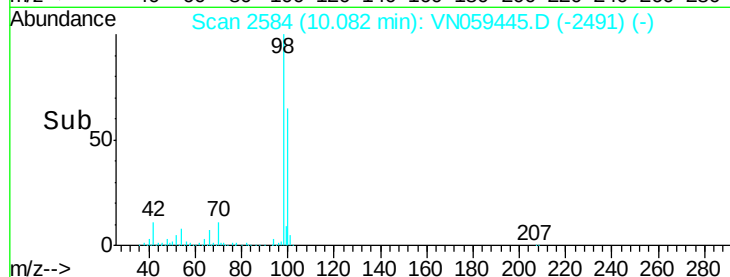
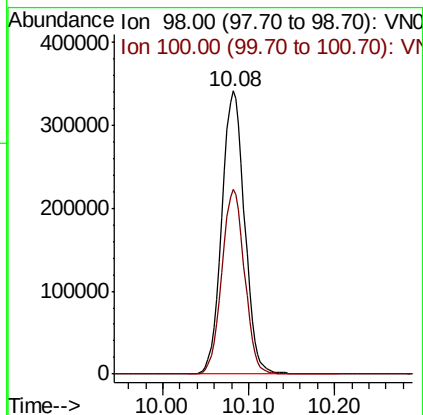
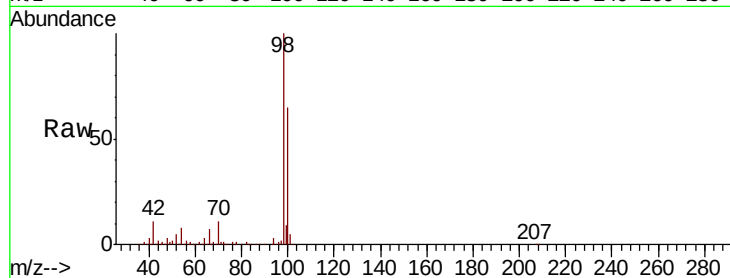
ClientSampleId :

Tot Ion: 98 Resp: 630127

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 45.681 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059445.D

Acq: 29 Nov 2019 14:01

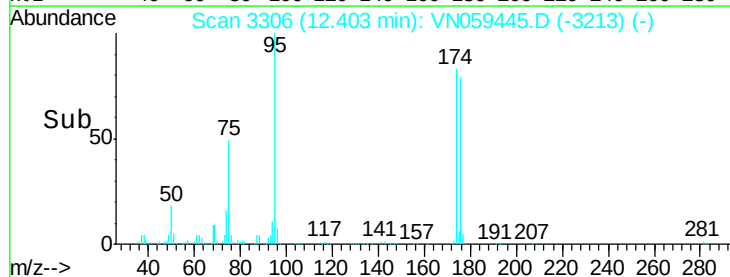
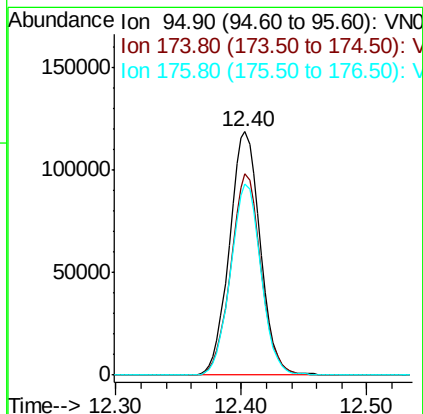
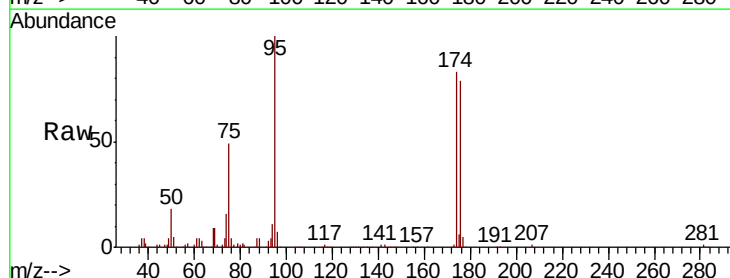
Tgt Ion: 95 Resp: 201888

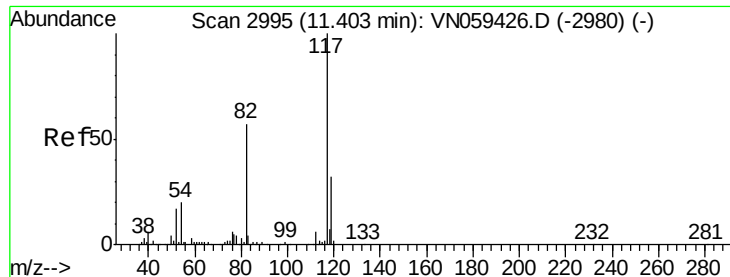
Ion Ratio Lower Upper

95 100

174 81.2 0.0 158.0

176 77.9 0.0 153.0

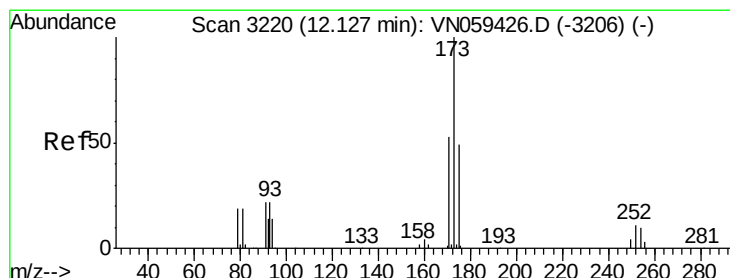
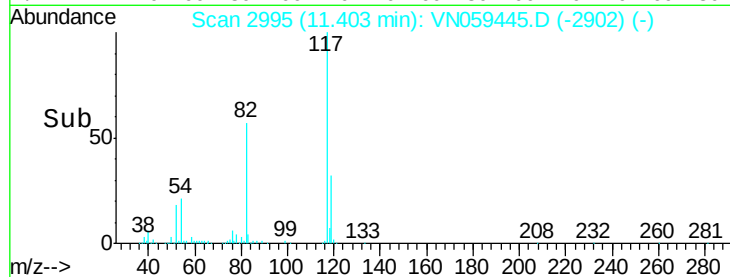
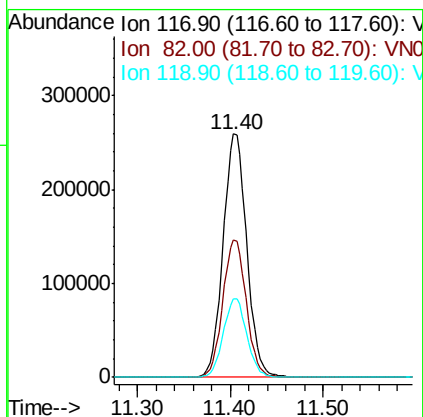
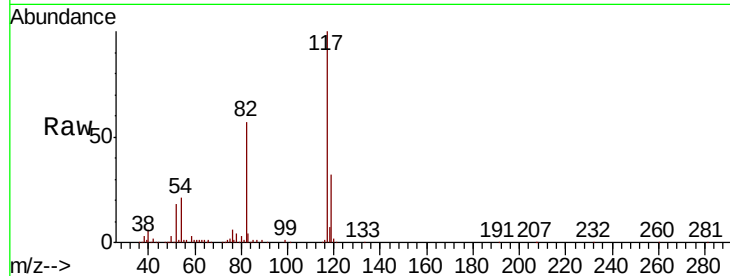




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059445.D
Acq: 29 Nov 2019 14:01

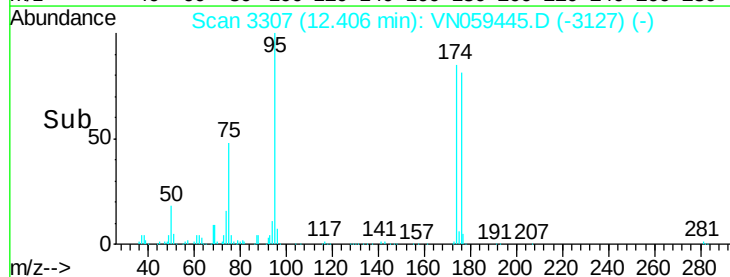
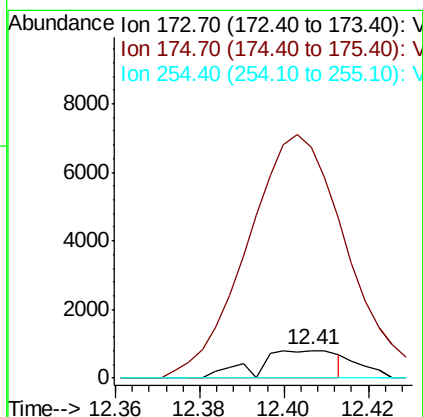
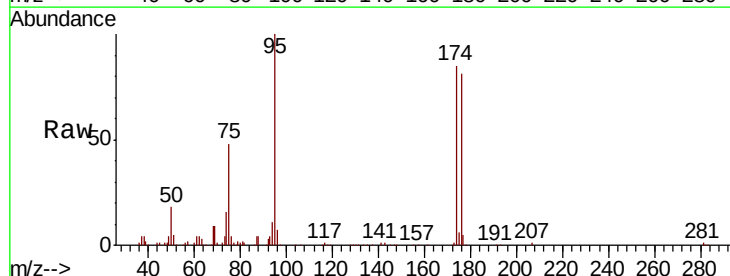
Instrument :
MSVOA_N
ClientSampleId :

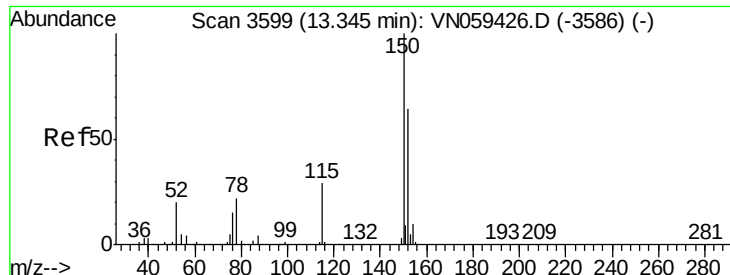
Tot Ion:117 Resp: 458168
Ion Ratio Lower Upper
117 100
82 56.5 45.4 68.0
119 32.0 25.6 38.4



#71
Bromoform
Concen: 0.413 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN059445.D
Acq: 29 Nov 2019 14:01

Tgt Ion:173 Resp: 1057
Ion Ratio Lower Upper
173 100
175 926.5 24.1 72.3#
254 0.0 0.0 0.0

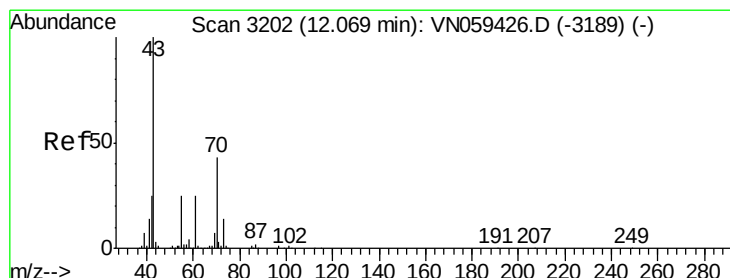
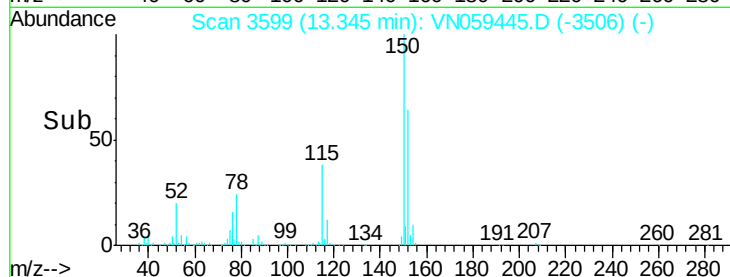
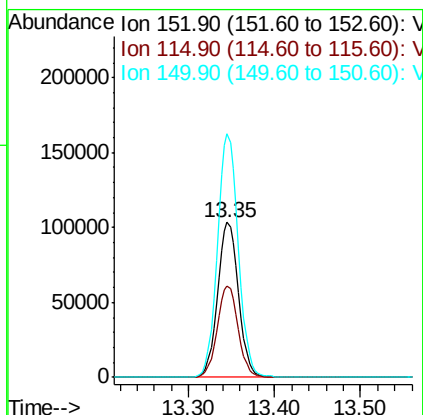
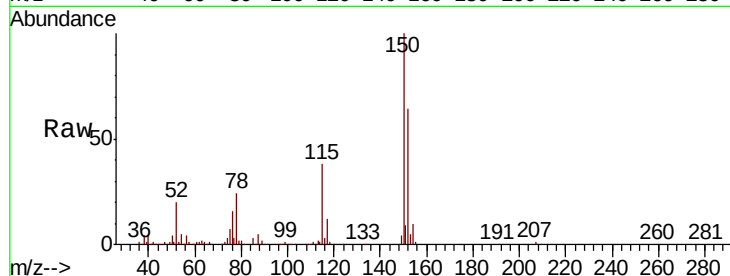




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN059445.D
 Acq: 29 Nov 2019 14:01

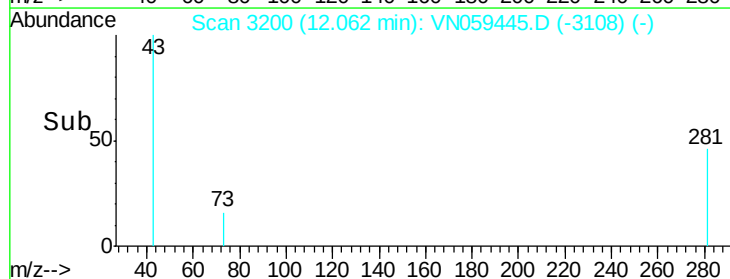
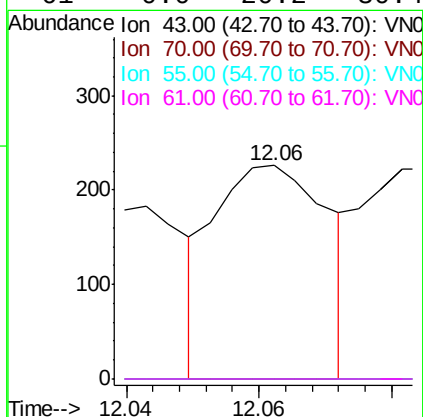
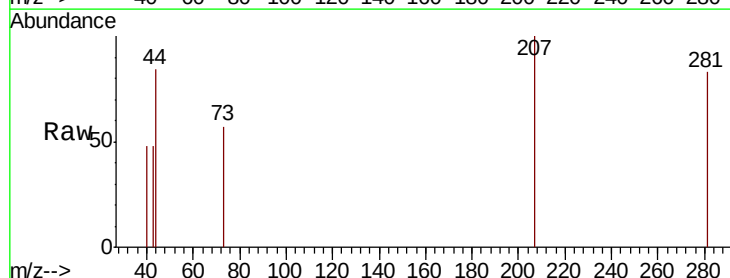
Instrument :
 MSVOA_N
 ClientSampleId :

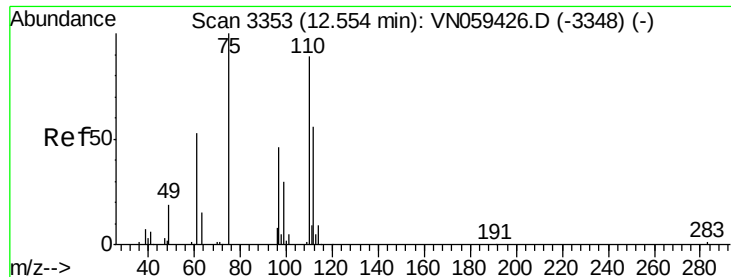
Tot Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.5	88.6
150	156.1	0.0	347.2



#74
 N-ethyl acetate
 Concen: Below Cal
 RT: 12.06 min Scan# 3200
 Delta R.T. -0.01 min
 Lab File: VN059445.D
 Acq: 29 Nov 2019 14:01

Tgt 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#





#76

1,2,3-Trichloropropane

Concen: 24.818 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059445.D

Acq: 29 Nov 2019 14:01

Instrument :

MSVOA_N

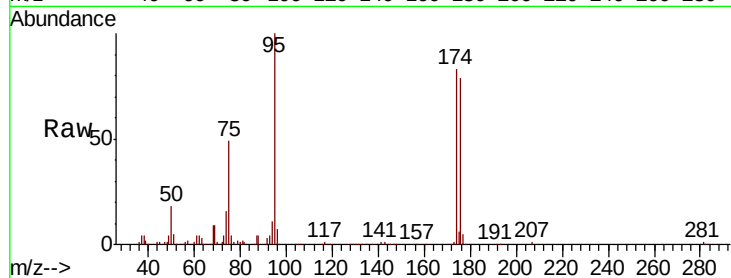
ClientSampleId :

Tot Ion: 75 Resp: 98202

Ion Ratio Lower Upper

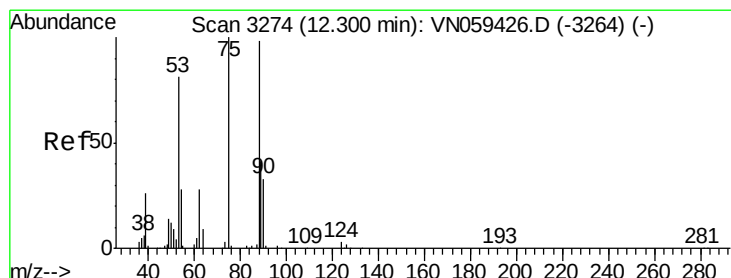
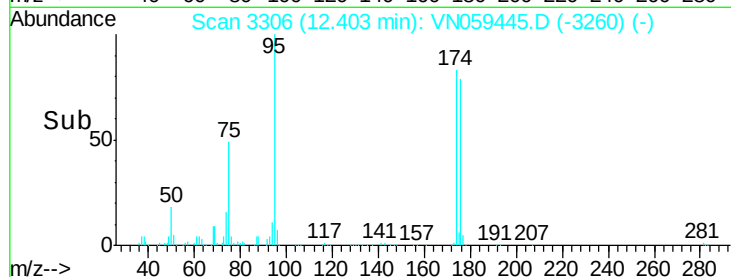
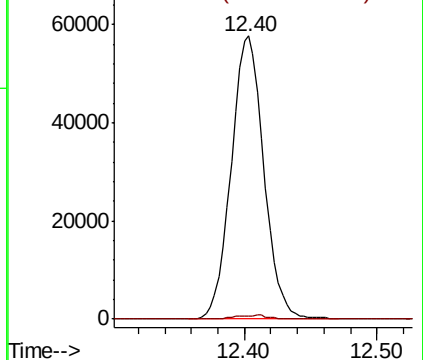
75 100

77 1.4 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: 63.769 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059445.D

Acq: 29 Nov 2019 14:01

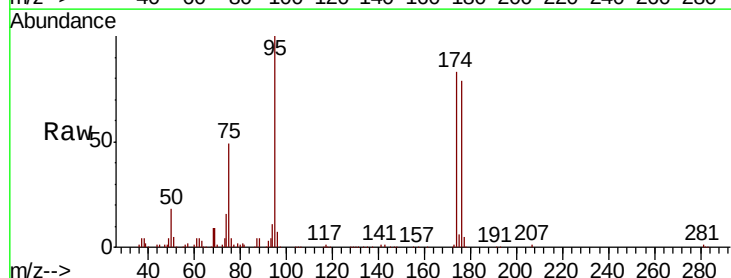
Tgt Ion: 75 Resp: 98202

Ion Ratio Lower Upper

75 100

53 0.0 66.2 99.4#

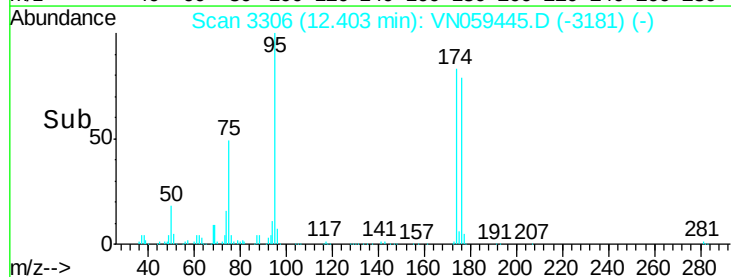
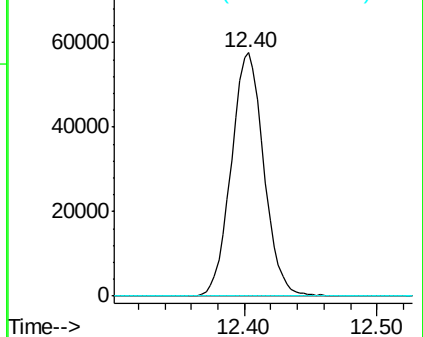
89 0.0 33.9 50.9#

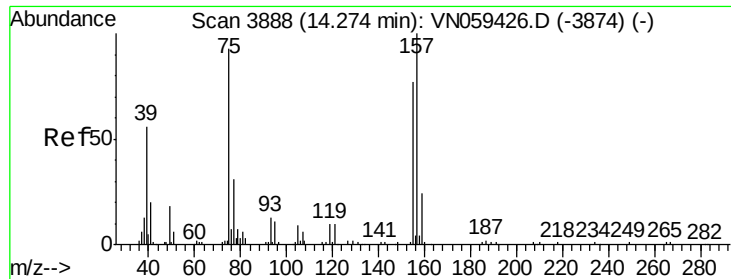


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

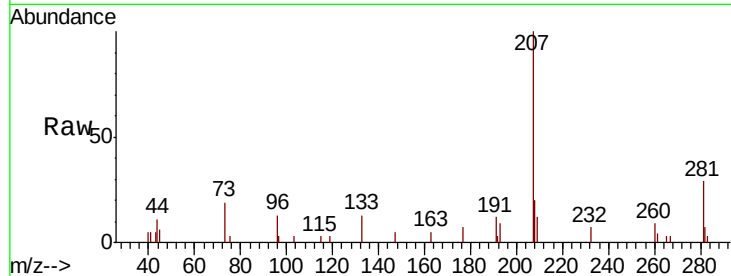




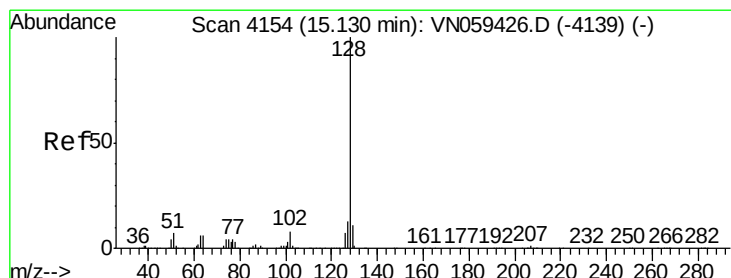
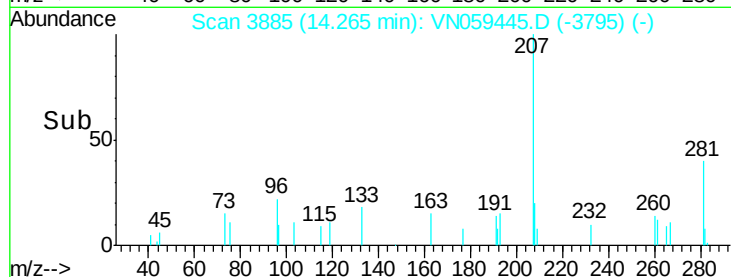
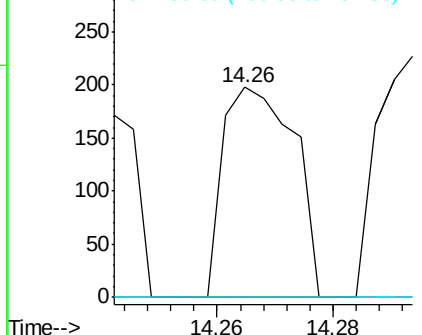
#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.26 min Scan# 3885
Delta R.T. -0.01 min
Lab File: VN059445.D
Acq: 29 Nov 2019 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 168
Ion Ratio Lower Upper
75 100
155 0.0 41.9 125.8#
157 0.0 54.1 162.3#

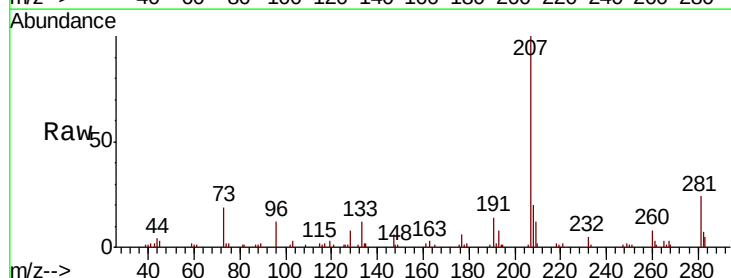


Abundance Ion 74.90 (74.60 to 75.60): VN059445.D (-3795) (-)
Ion 154.80 (154.50 to 155.50): VN059445.D (-3795) (-)
Ion 156.80 (156.50 to 157.50): VN059445.D (-3795) (-)

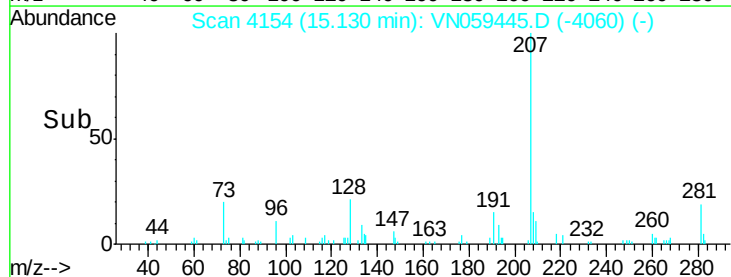
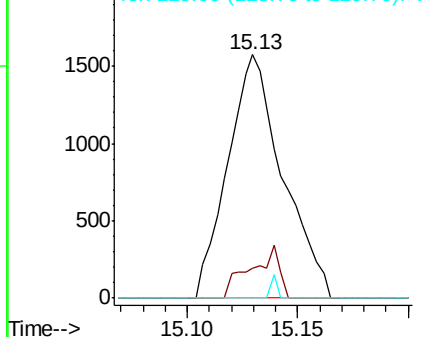


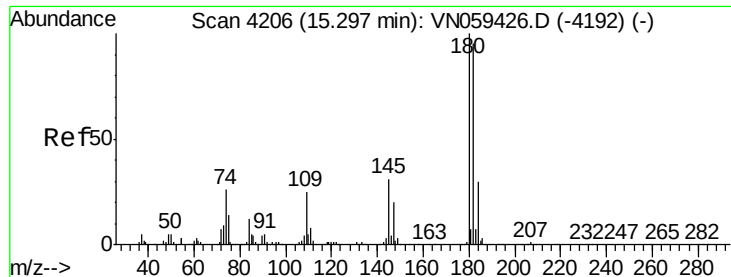
#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059445.D
Acq: 29 Nov 2019 14:01

Tgt Ion: 128 Resp: 2720
Ion Ratio Lower Upper
128 100
127 11.4 10.1 15.1
129 1.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059445.D (-4060) (-)
Ion 127.00 (126.70 to 127.70): VN059445.D (-4060) (-)
Ion 129.00 (128.70 to 129.70): VN059445.D (-4060) (-)

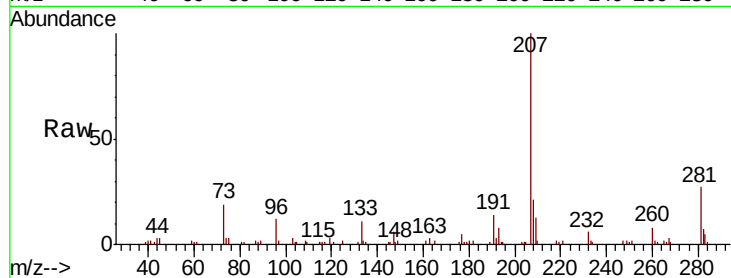




#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN059445.D
 Acq: 29 Nov 2019 14:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.1	47.5	142.6
145	56.7	15.7	47.1

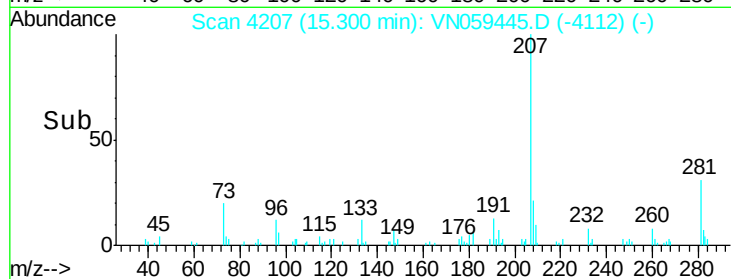
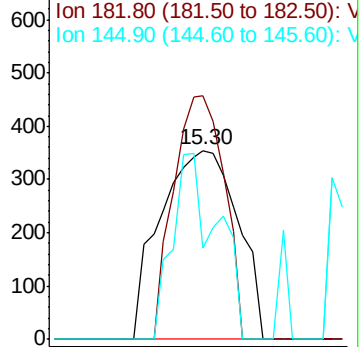


Abundance

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



Time-->