

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058949.D
 Acq On : 24 Oct 2019 10:48
 Operator : JC/SP
 Sample : VN1025MBL01
 Misc : 5.00µ/10mL/100UuL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

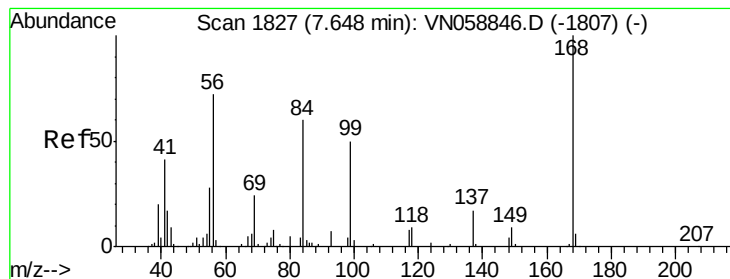
Quant Time: Oct 25 01:22:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	303644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	479006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	426440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	150182	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	235691	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
35) Dibromofluoromethane	7.57	113	172943	54.91	ug/l	0.00
Spiked Amount			Recovery	=	109.82%	
50) Toluene-d8	10.08	98	621874	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.40	95	192742	42.93	ug/l	0.00
Spiked Amount			Recovery	=	85.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	174	0.235	ug/l #	72
25) 2-Butanone	6.81	43	631	0.221	ug/l #	51
31) Cyclohexane	7.64	56	7362	1.150	ug/l #	21
36) 1,1-Dichloropropene	7.64	75	26133	5.329	ug/l #	47
38) Carbon Tetrachloride	7.65	117	29375	5.814	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	3195	0.638	ug/l #	1
71) Bromoform	12.41	173	603	0.237	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	104404	29.996	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	104404	78.141	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.91	180	95	2.551	ug/l #	64
95) Naphthalene	15.14	128	970	2.333	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.31	180	143	2.441	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058949.D

Acq: 24 Oct 2019 10:48

Instrument :

MSVOA_N

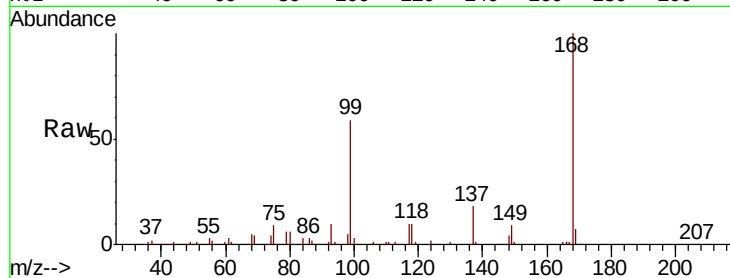
ClientSampleId :

Tot Ion:168 Resp: 303644

Ion Ratio Lower Upper

168 100

99 59.3 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

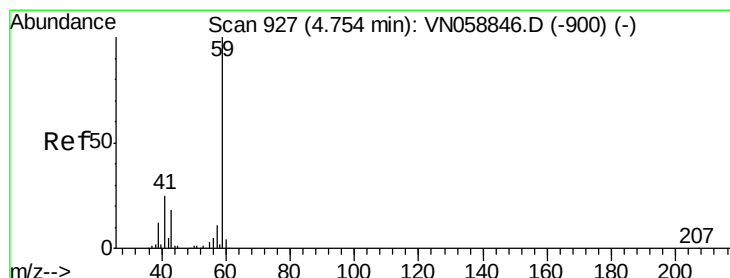
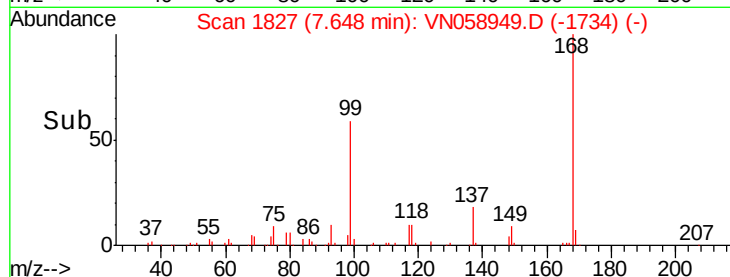
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.235 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.01 min

Lab File: VN058949.D

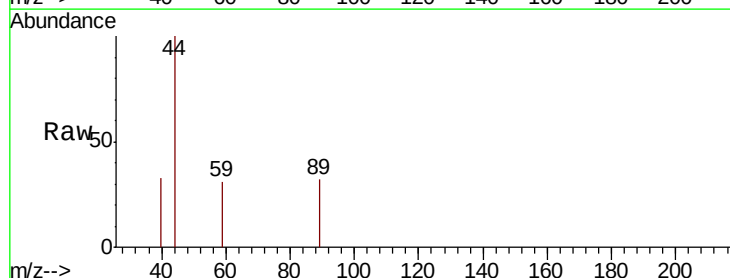
Acq: 24 Oct 2019 10:48

Tgt Ion: 59 Resp: 174

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.75

250

200

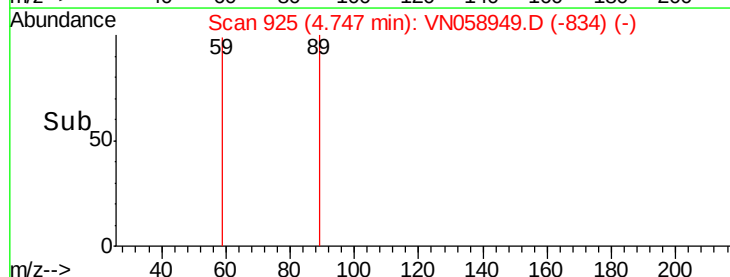
150

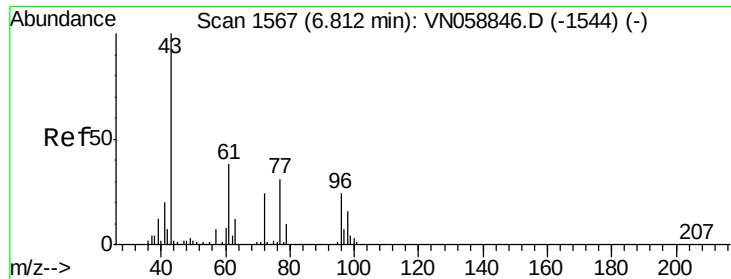
100

50

0

Time-->





#25

2-Butanone

Concen: 0.221 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058949.D

Acq: 24 Oct 2019 10:48

Instrument :

MSVOA_N

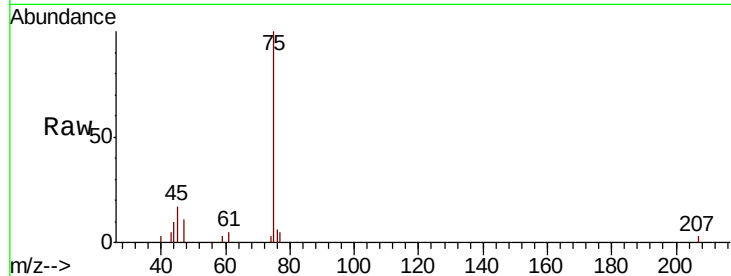
ClientSampleId :

Tot Ion: 43 Resp: 631

Ion Ratio Lower Upper

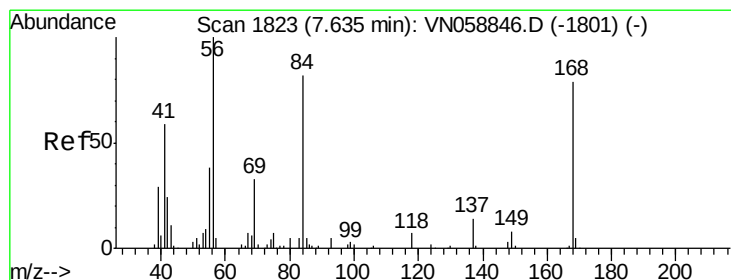
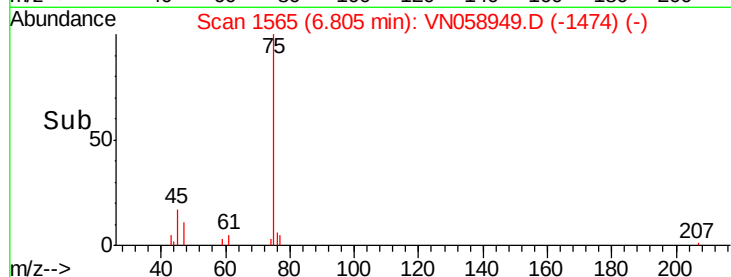
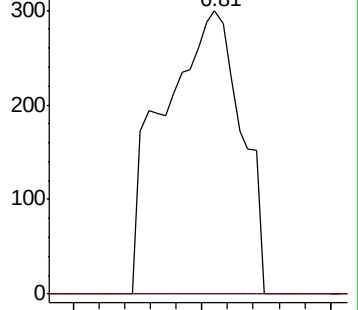
43 100

72 0.0 19.1 28.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 1.150 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058949.D

Acq: 24 Oct 2019 10:48

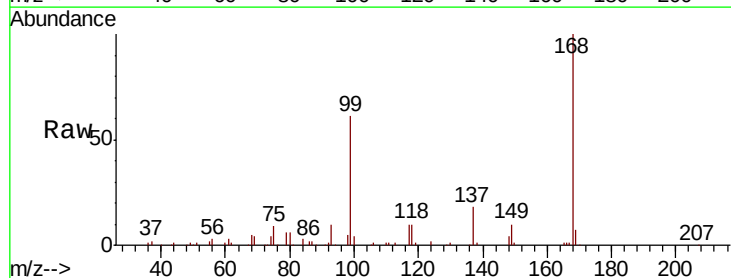
Tgt Ion: 56 Resp: 7362

Ion Ratio Lower Upper

56 100

69 151.5 26.2 39.4#

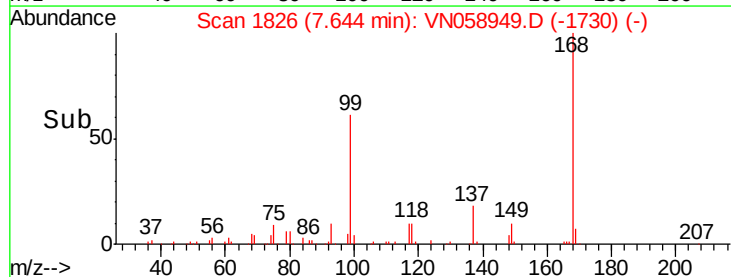
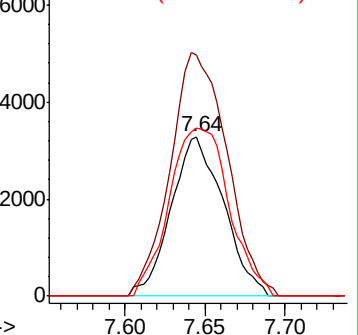
84 105.7 65.6 98.4#

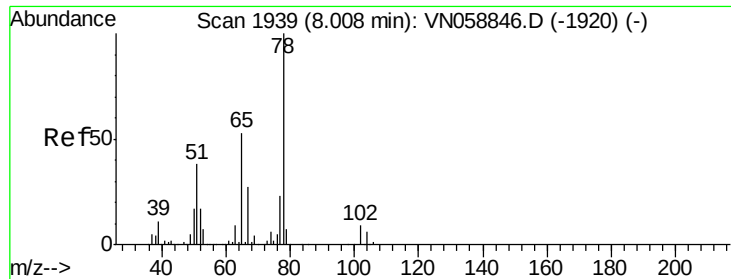


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

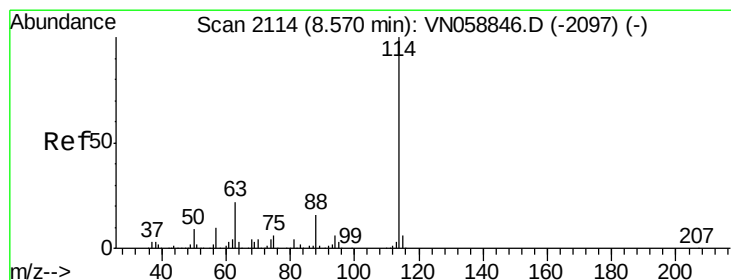
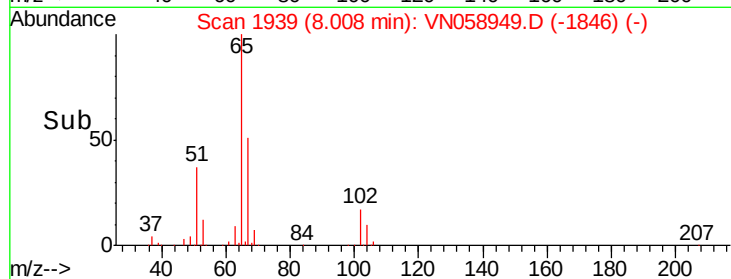
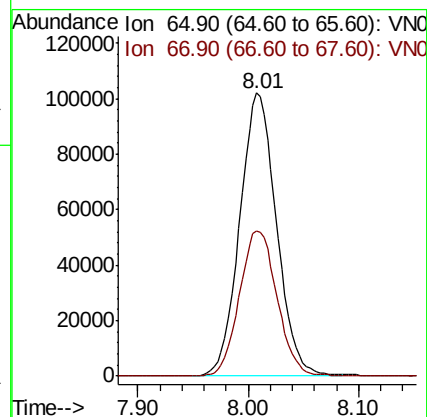
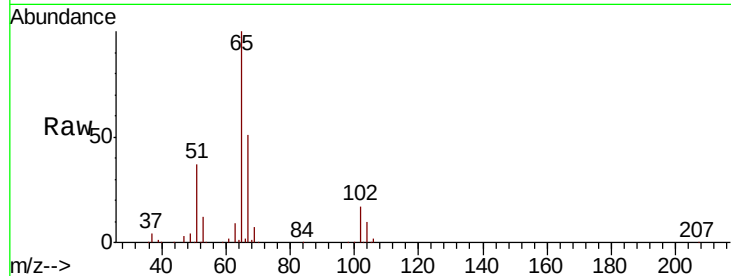




#33
 1,2-Dichloroethane-d4
 Concen: 52.924 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058949.D
 Acq: 24 Oct 2019 10:48

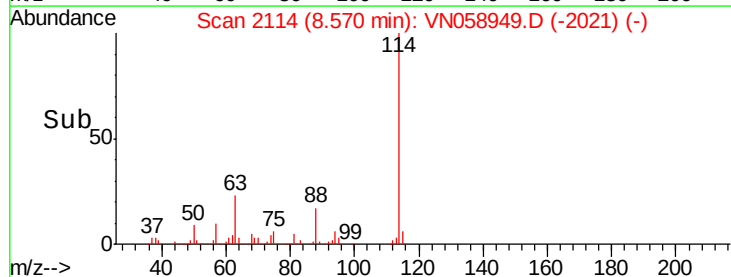
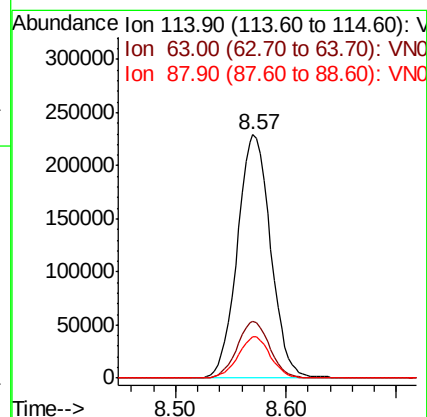
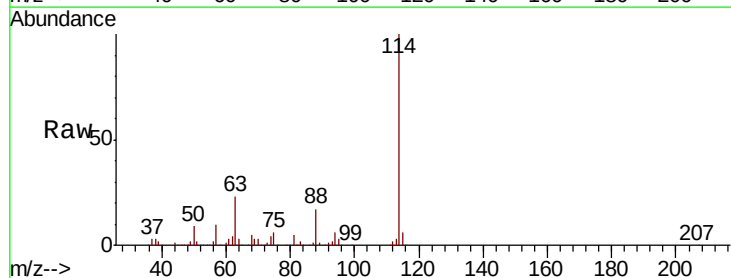
Instrument :
 MSVOA_N
 ClientSampled :

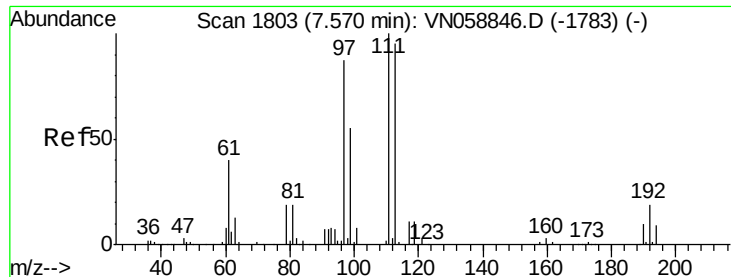
Tot Ion: 65 Resp: 235691
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058949.D
 Acq: 24 Oct 2019 10:48

Tgt Ion: 114 Resp: 479006
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 44.4
 88 17.0 0.0 31.4

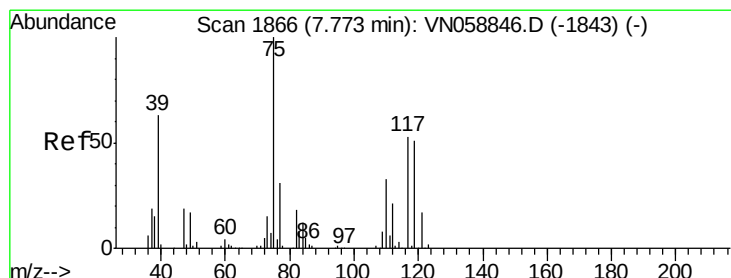
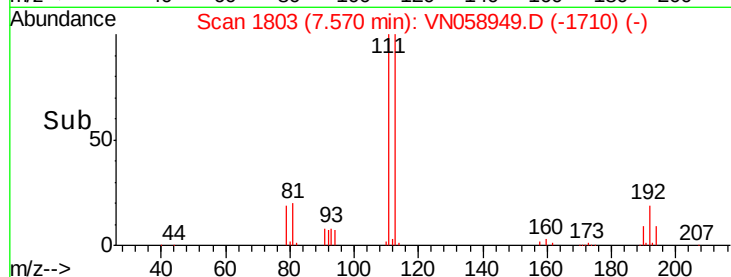
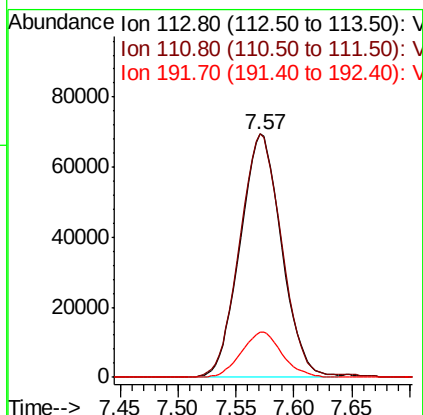
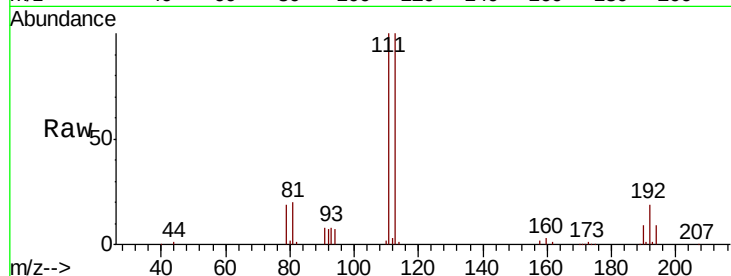




#35
 Dibromofluoromethane
 Concen: 54.914 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058949.D
 Acq: 24 Oct 2019 10:48

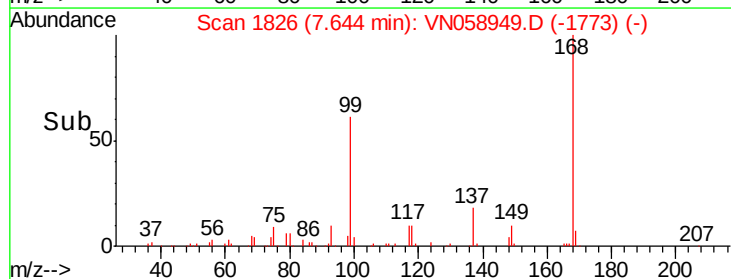
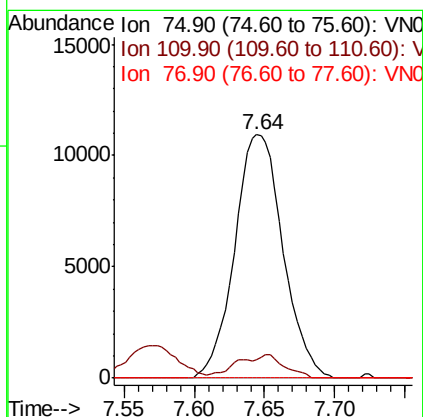
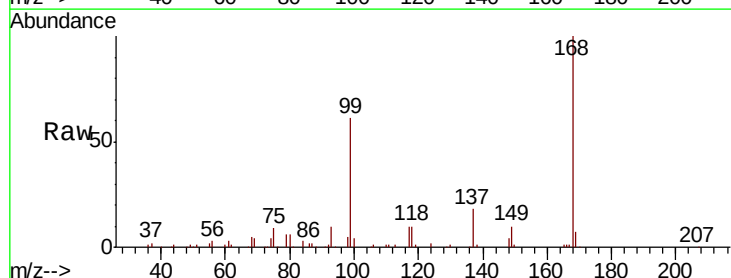
Instrument :
 MSVOA_N
 ClientSampleId :

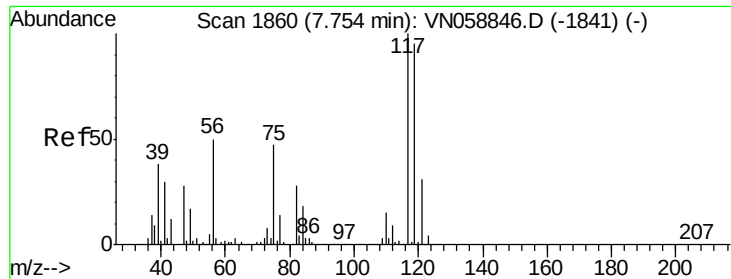
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	18.4	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 5.329 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058949.D
 Acq: 24 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	4.9	16.3	48.9#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.814 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058949.D

Acq: 24 Oct 2019 10:48

Instrument :

MSVOA_N

ClientSampled :

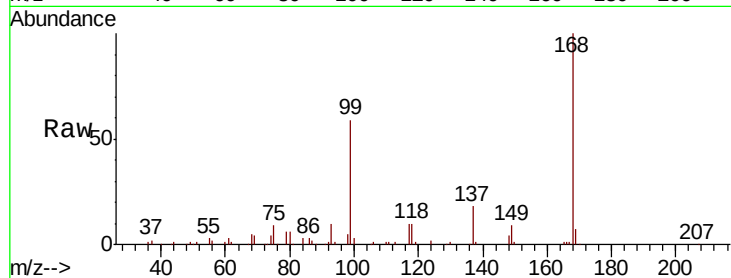
Tot Ion:117 Resp: 29375

Ion Ratio Lower Upper

117 100

119 5.5 75.7 113.5#

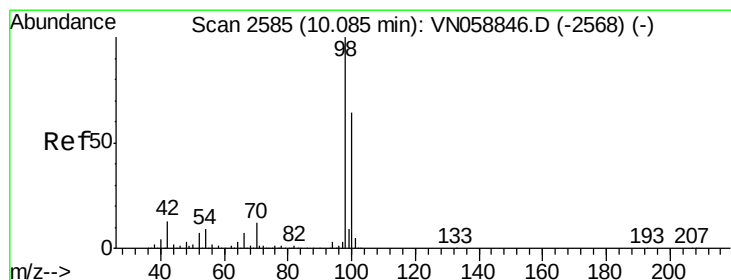
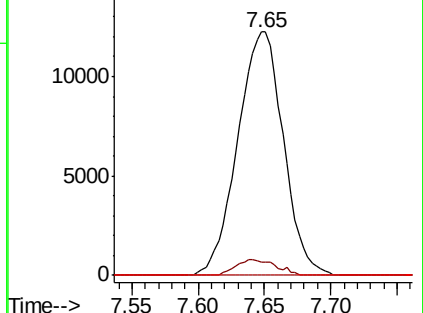
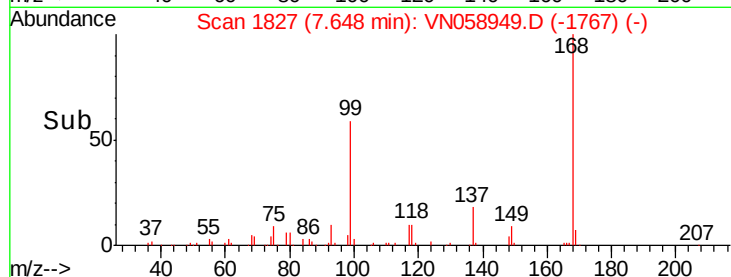
121 0.0 25.0 37.6#



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: 50.868 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058949.D

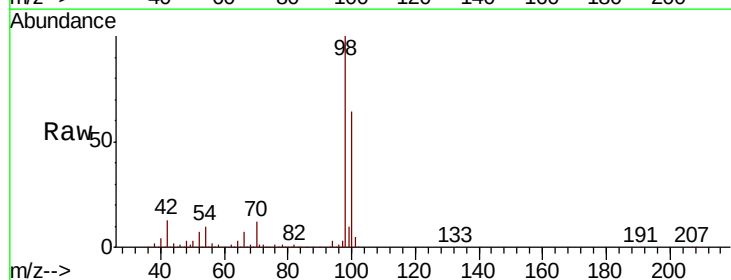
Acq: 24 Oct 2019 10:48

Tgt Ion: 98 Resp: 621874

Ion Ratio Lower Upper

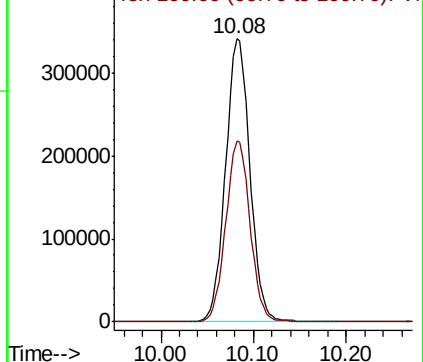
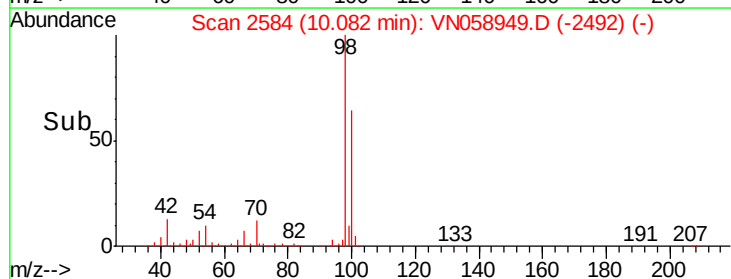
98 100

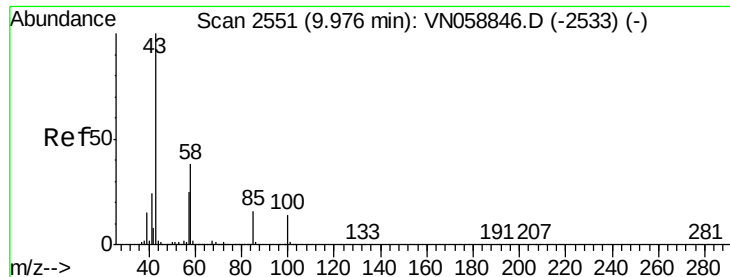
100 63.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.638 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.10 min

Lab File: VN058949.D

Acq: 24 Oct 2019 10:48

Instrument :

MSVOA_N

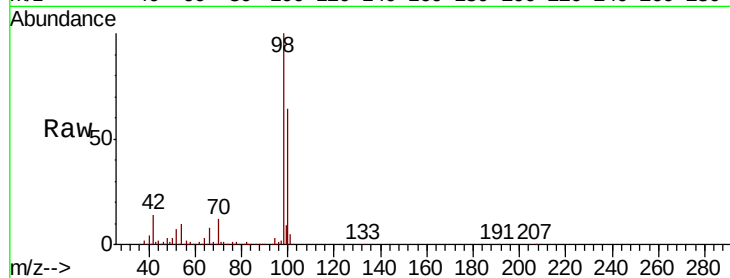
ClientSampleId :

Tot Ion: 43 Resp: 3195

Ion Ratio Lower Upper

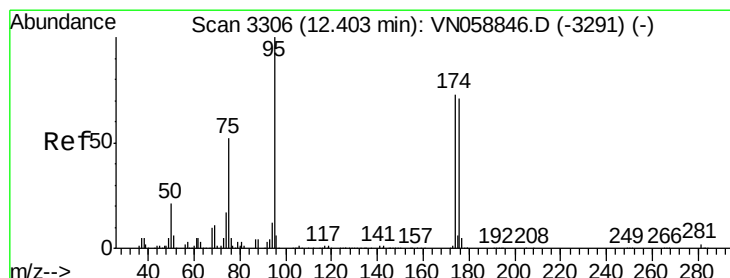
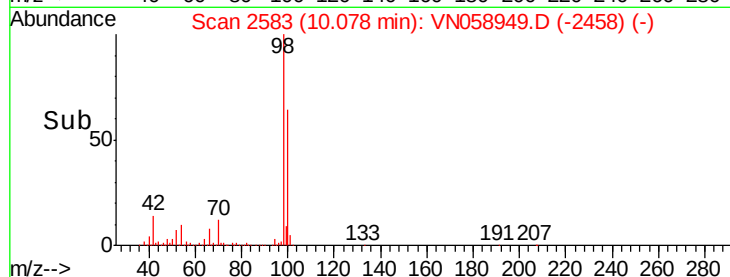
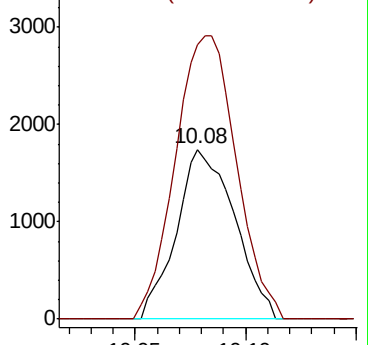
43 100

58 174.6 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)



#62

4-Bromofluorobenzene

Concen: 42.932 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058949.D

Acq: 24 Oct 2019 10:48

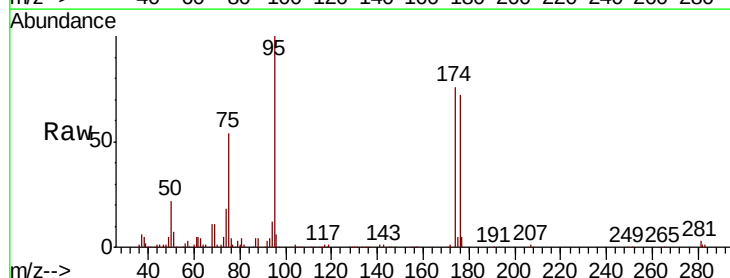
Tgt Ion: 95 Resp: 192742

Ion Ratio Lower Upper

95 100

174 76.8 0.0 147.6

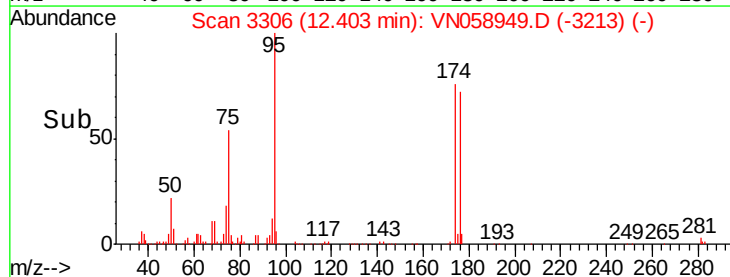
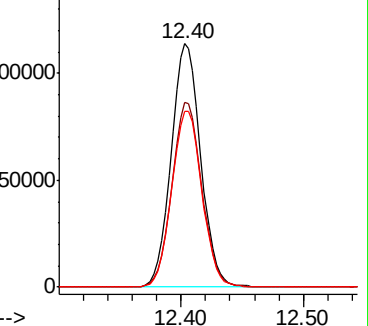
176 74.1 0.0 143.2

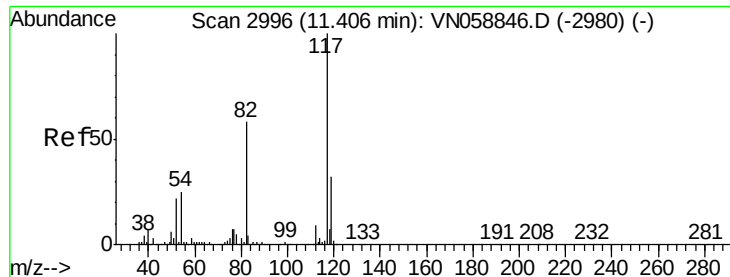


Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058846.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058846.D (-3291) (-)

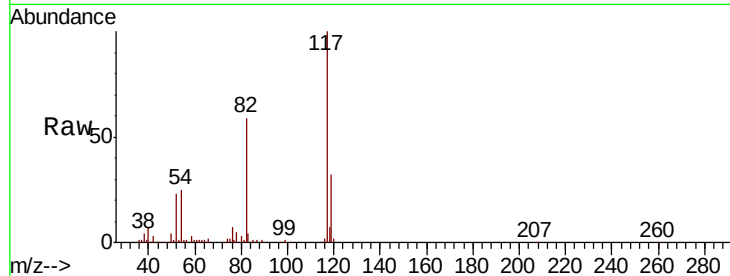




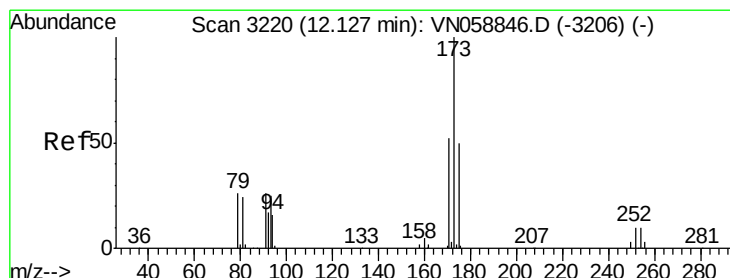
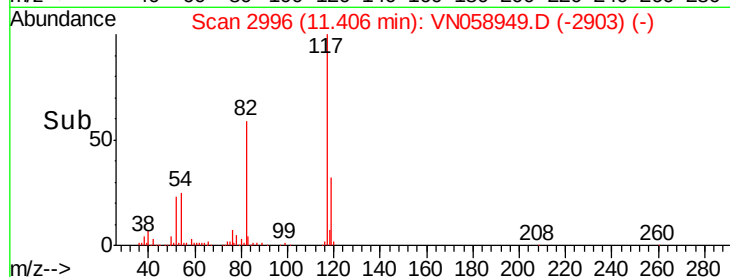
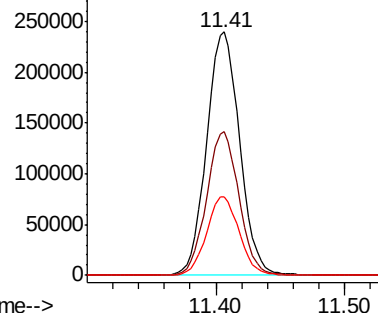
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058949.D
Acq: 24 Oct 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 426440
Ion Ratio Lower Upper
117 100
82 58.9 46.6 69.8
119 32.5 25.6 38.4

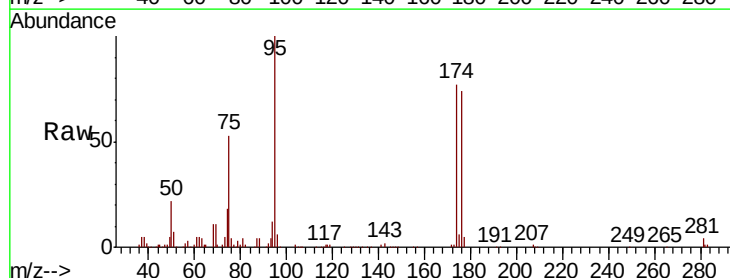


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

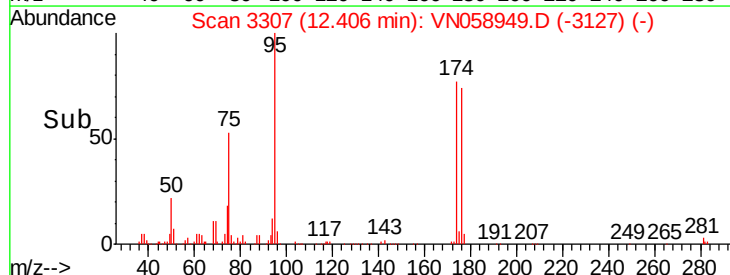
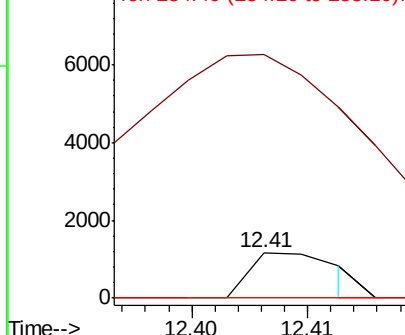


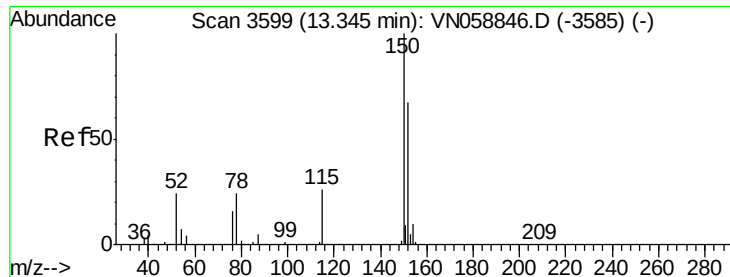
#71
Bromoform
Concen: 0.237 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058949.D
Acq: 24 Oct 2019 10:48

Tgt Ion:173 Resp: 603
Ion Ratio Lower Upper
173 100
175 1427.2 24.7 74.1#
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



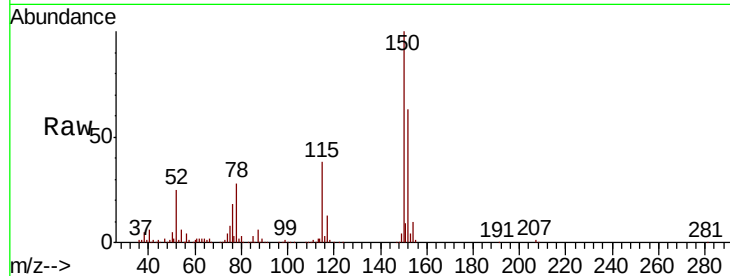


#72

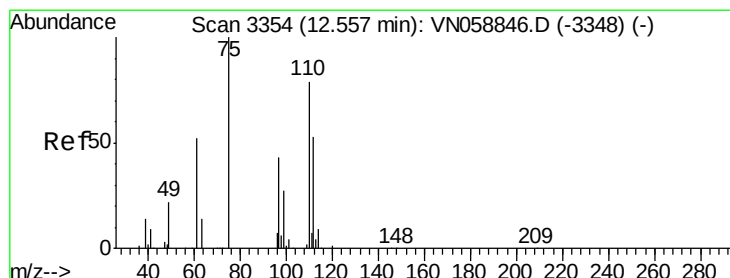
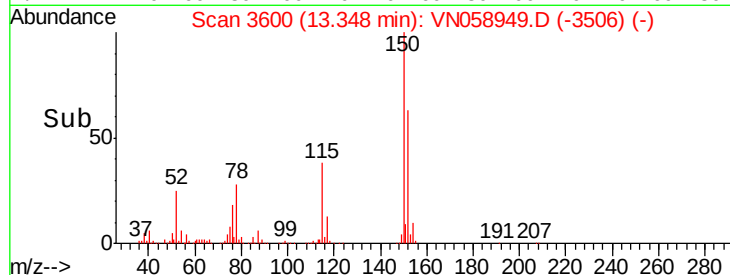
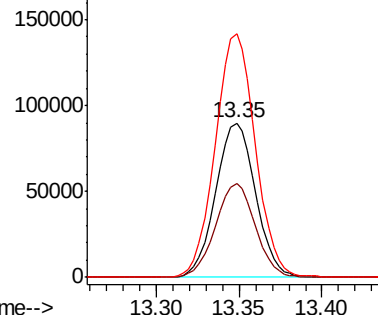
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058949.D
Acq: 24 Oct 2019 10:48

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.8	30.5	91.5
150	158.6	0.0	344.4



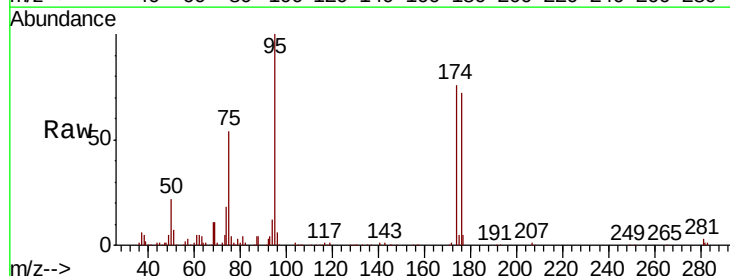
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



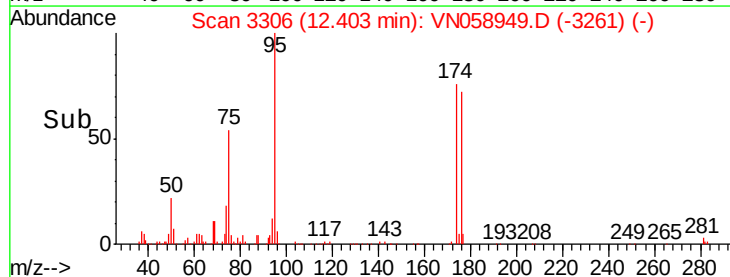
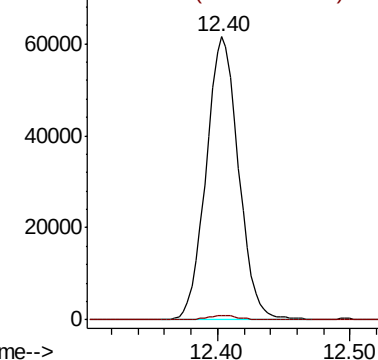
#76

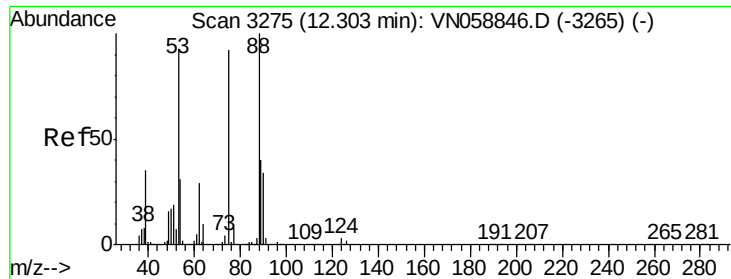
1,2,3-Trichloropropane
Concen: 29.996 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN058949.D
Acq: 24 Oct 2019 10:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.5	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

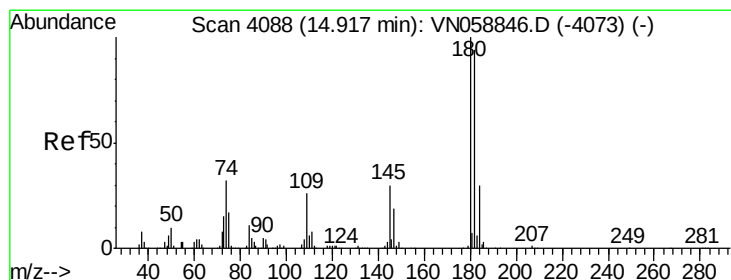
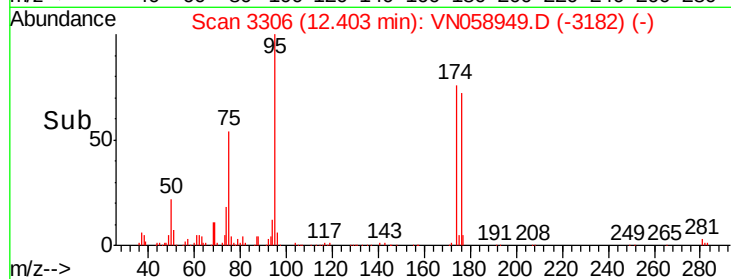
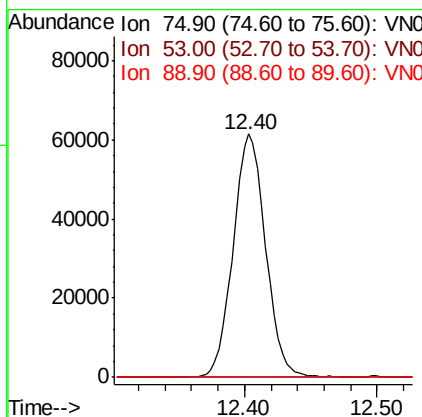
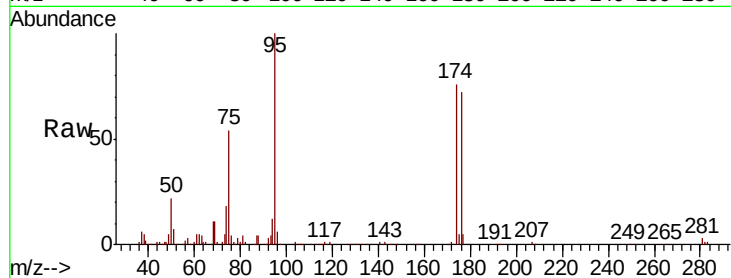




#81
trans-1,4-Dichloro-2-butene
Concen: 78.141 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058949.D
Acq: 24 Oct 2019 10:48

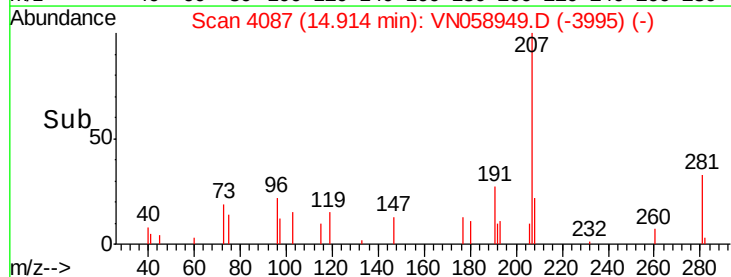
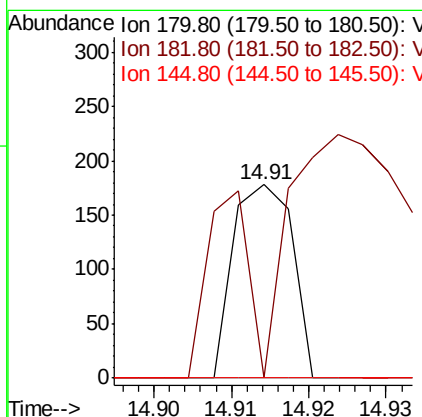
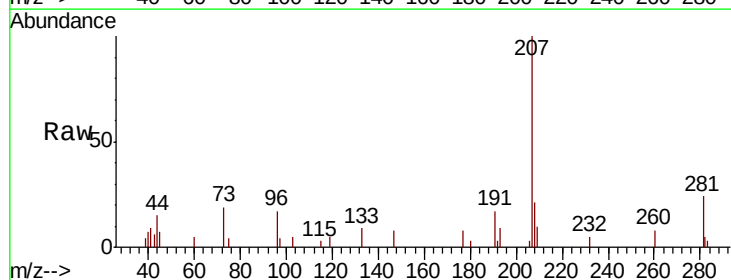
Instrument :
MSVOA_N
ClientSampleId :

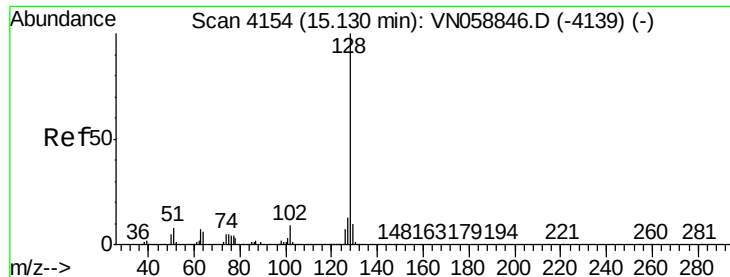
Tot Ion: 75 Resp: 104404
Ion Ratio Lower Upper
75 100
53 0.0 78.6 118.0#
89 0.0 35.4 53.0#



#93
1,2,4-Trichlorobenzene
Concen: 2.551 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN058949.D
Acq: 24 Oct 2019 10:48

Tgt Ion: 180 Resp: 95
Ion Ratio Lower Upper
180 100
182 66.3 47.3 142.0
145 0.0 15.3 45.8#





#95

Naphthalene

Concen: 2.333 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN058949.D

Acq: 24 Oct 2019 10:48

Instrument :

MSVOA_N

ClientSampleId :

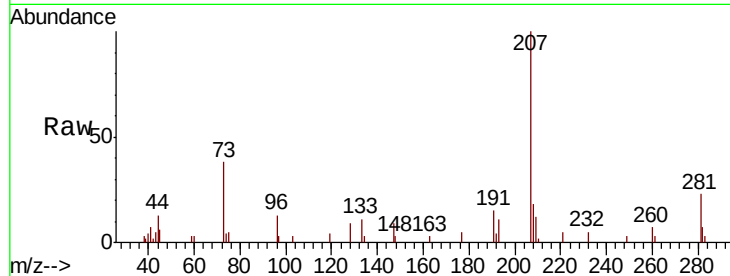
Tot Ion:128 Resp: 970

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

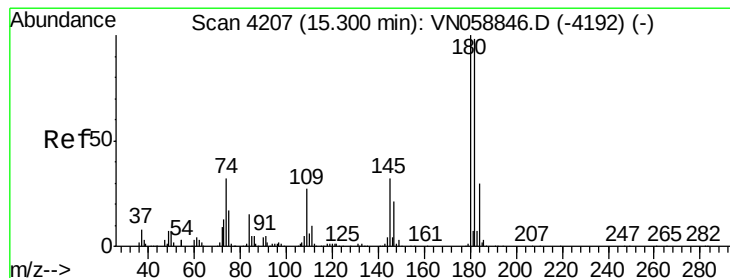
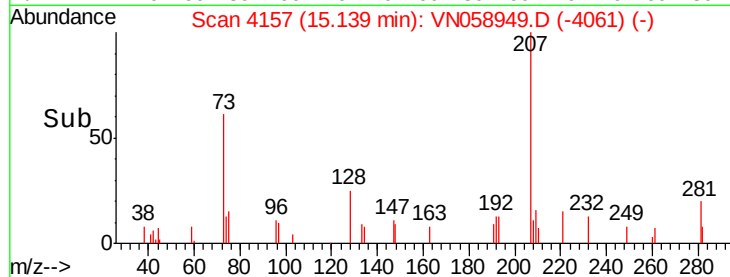
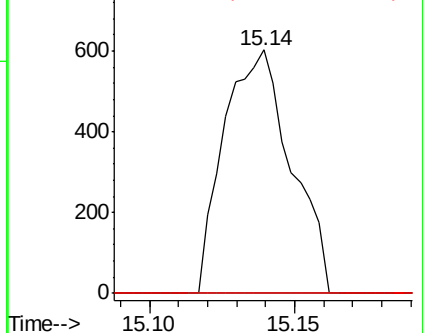
129 0.0 8.4 12.6#



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: 2.441 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN058949.D

Acq: 24 Oct 2019 10:48

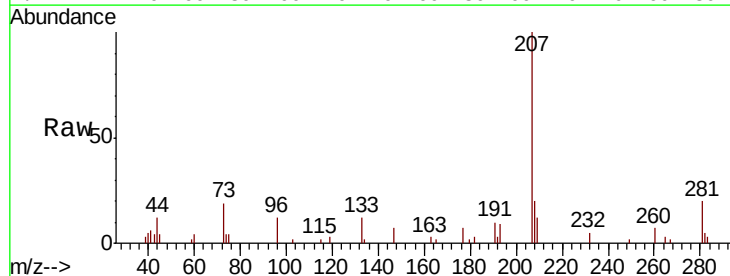
Tgt Ion:180 Resp: 143

Ion Ratio Lower Upper

180 100

182 193.0 47.9 143.7#

145 0.0 15.9 47.7#



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

