

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102419\
 Data File : VN058942.D
 Acq On : 23 Oct 2019 19:48
 Operator : JC/SP
 Sample : K4589-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 01:16:46 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	319446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	506751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	450913	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	166507	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	234283	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.57	113	172531	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.08	98	626797	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.40	95	198441	41.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.56%	

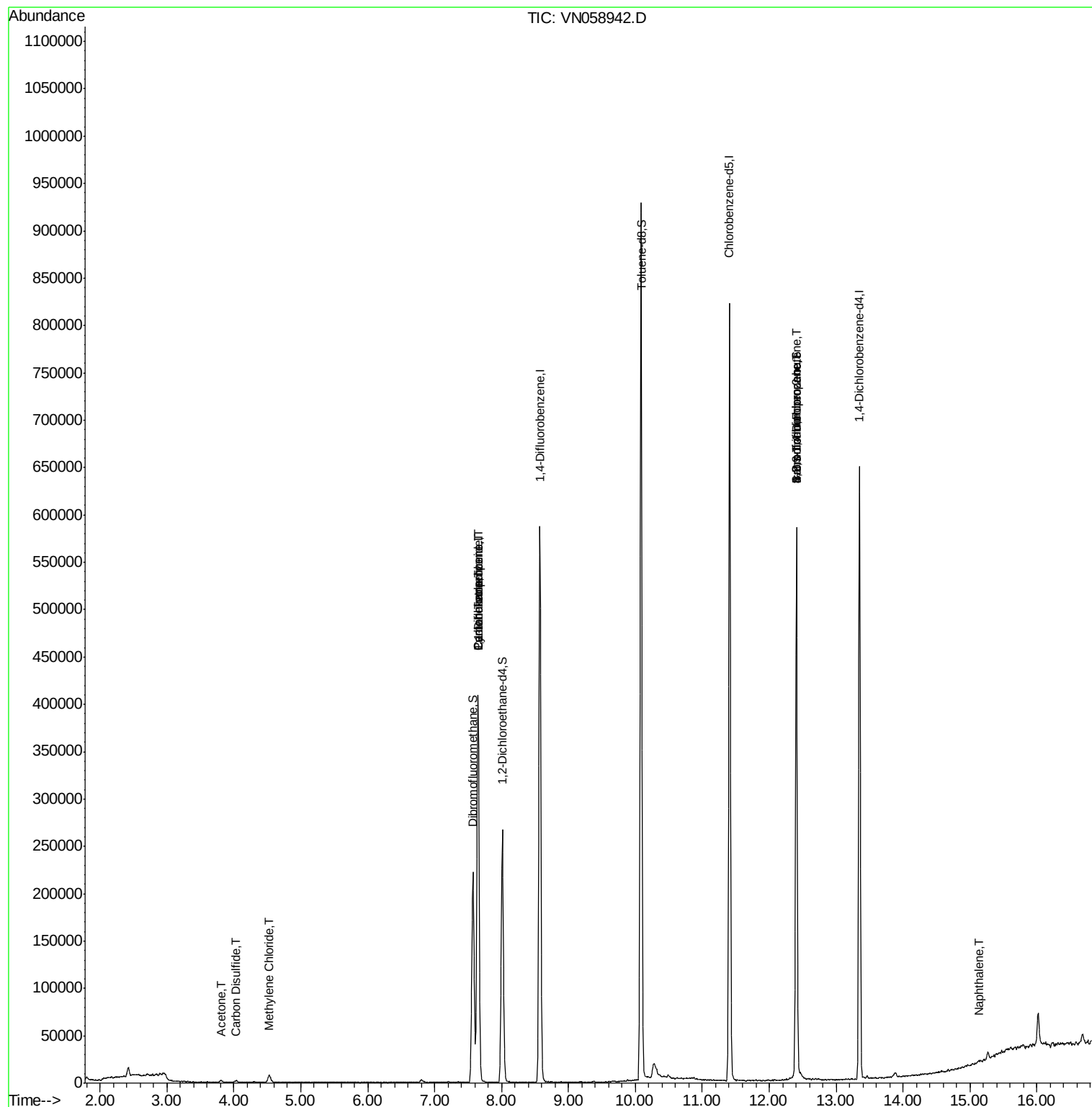
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	3202	1.383	ug/l	91
17) Carbon Disulfide	4.03	76	3678	0.363	ug/l #	88
20) Methylene Chloride	4.53	84	5212	1.318	ug/l	91
31) Cyclohexane	7.65	56	7778	1.155	ug/l #	2
36) 1,1-Dichloropropene	7.65	75	27501	5.301	ug/l #	52
38) Carbon Tetrachloride	7.65	117	32386	6.059	ug/l #	17
71) Bromoform	12.40	173	1083	0.403	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	107093	27.752	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	107093	72.295	ug/l #	10
95) Naphthalene	15.13	128	576	2.283	ug/l #	70

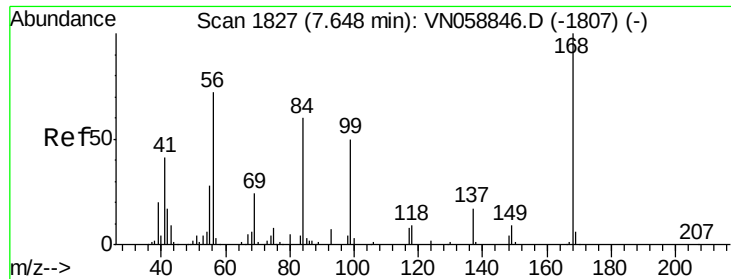
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058942.D

Acq: 23 Oct 2019 19:48

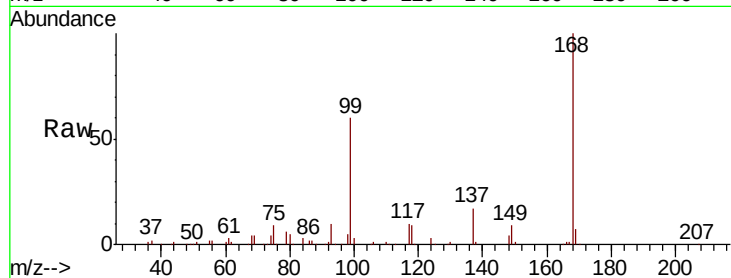
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 319446

Ion Ratio Lower Upper

168 100

99 60.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VN058846.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN058846.D (-1807) (-)

7.65

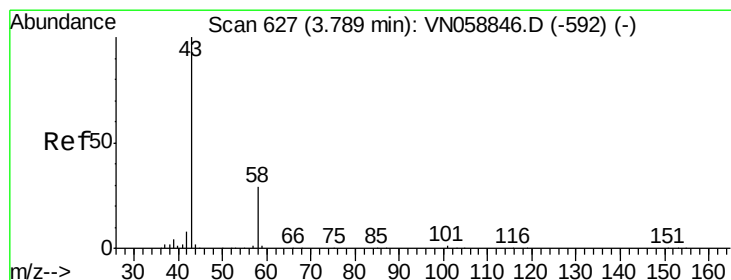
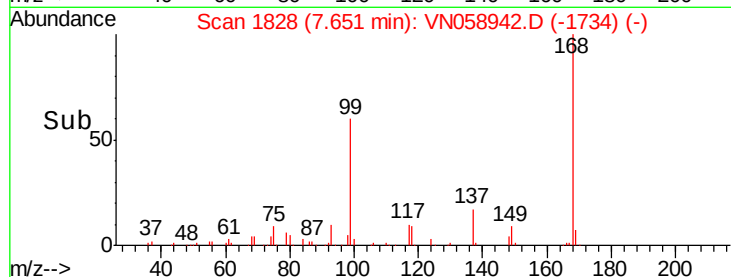
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.383 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058942.D

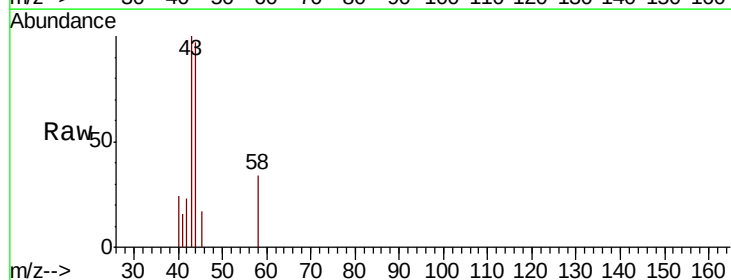
Acq: 23 Oct 2019 19:48

Tgt Ion: 43 Resp: 3202

Ion Ratio Lower Upper

43 100

58 33.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)

3.80

1000

800

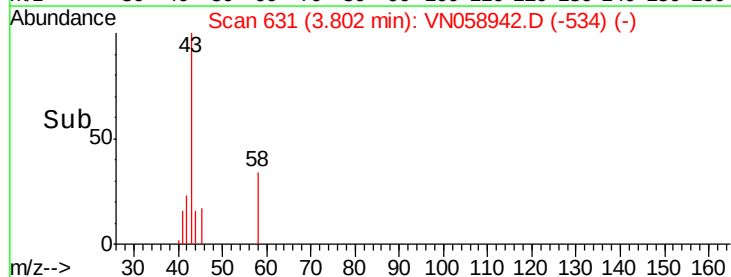
600

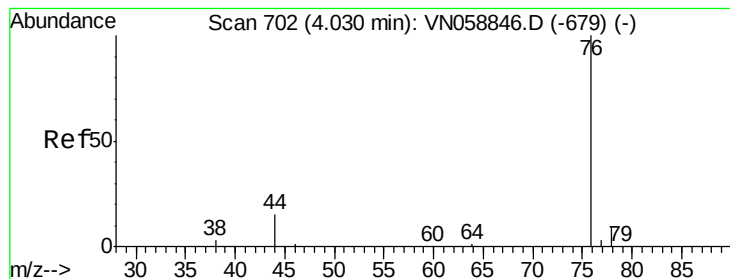
400

200

0

Time-->





#17

Carbon Disulfide

Concen: 0.363 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058942.D

Acq: 23 Oct 2019 19:48

Instrument :

MSVOA_N

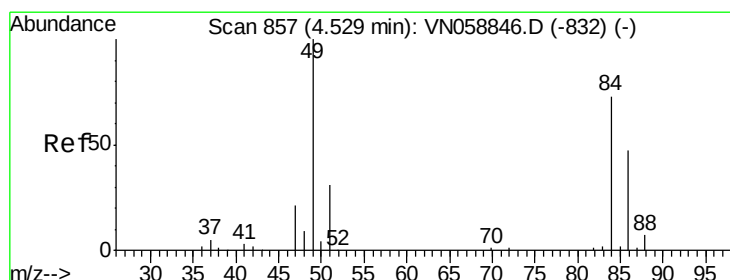
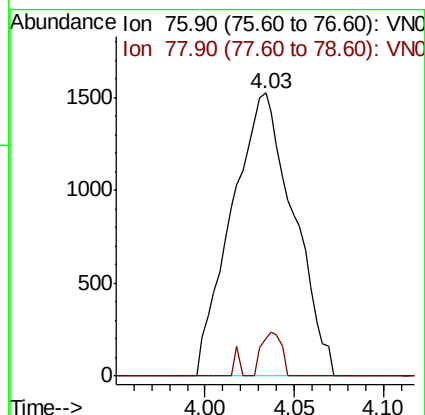
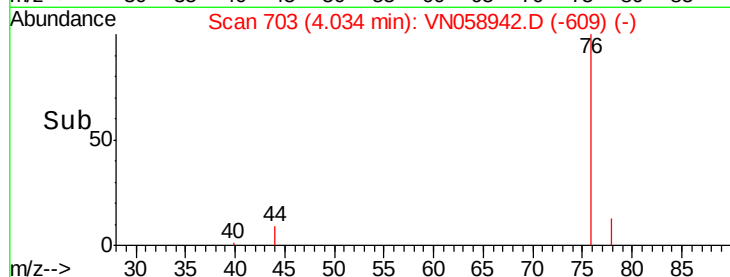
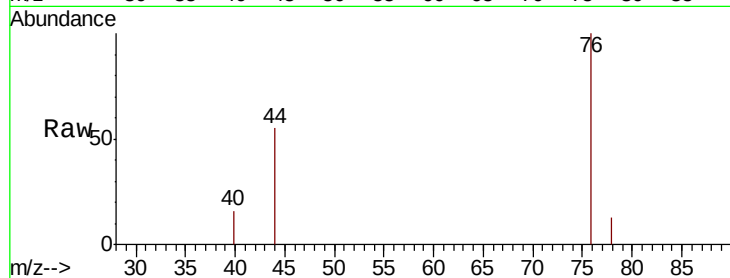
ClientSampleId :

Tot Ion: 76 Resp: 3678

Ion Ratio Lower Upper

76 100

78 13.2 7.1 10.7#



#20

Methylene Chloride

Concen: 1.318 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.00 min

Lab File: VN058942.D

Acq: 23 Oct 2019 19:48

Tgt Ion: 84 Resp: 5212

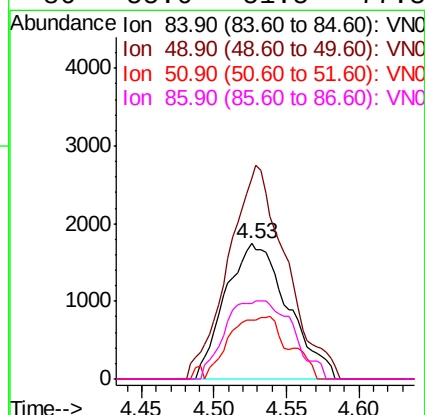
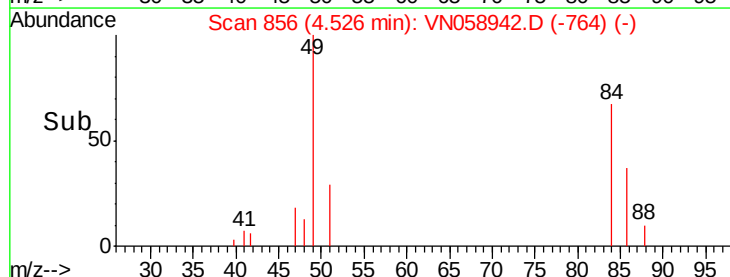
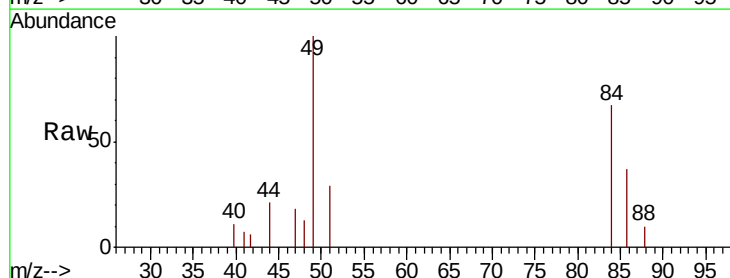
Ion Ratio Lower Upper

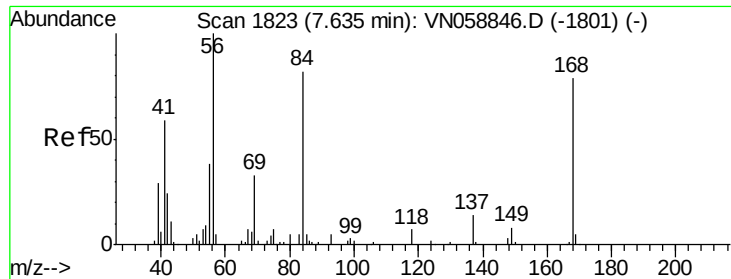
84 100

49 148.8 109.6 164.4

51 43.2 33.8 50.6

86 55.6 51.5 77.3

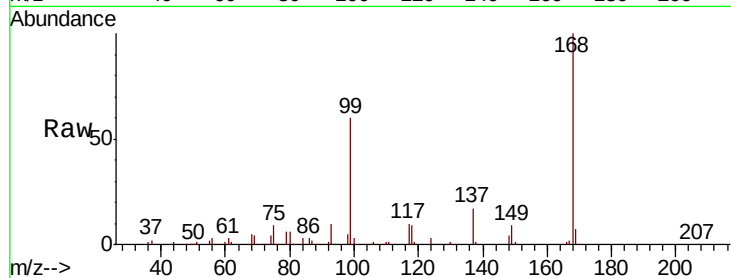




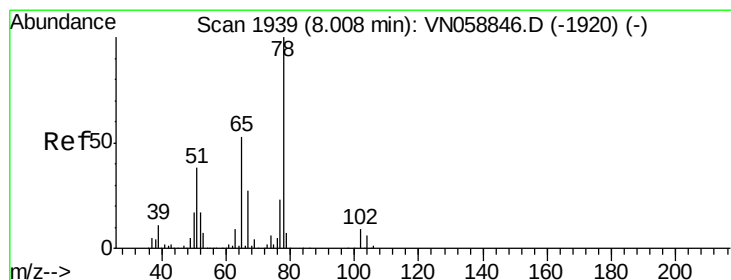
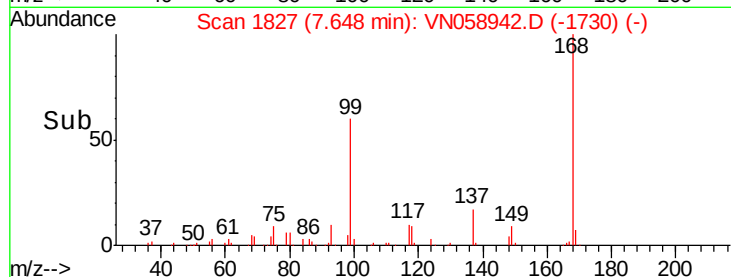
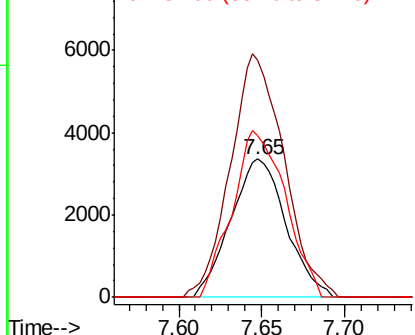
#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058942.D
Acq: 23 Oct 2019 19:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 7778
Ion Ratio Lower Upper
56 100
69 172.0 26.2 39.4#
84 117.0 65.6 98.4#

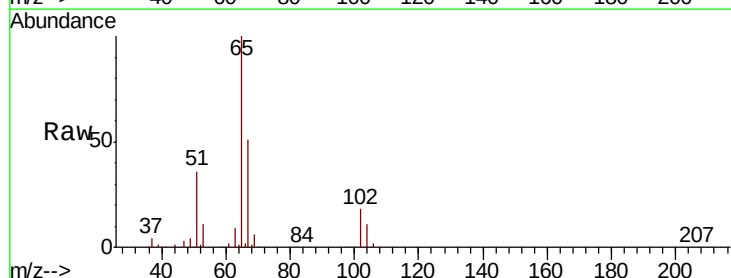


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

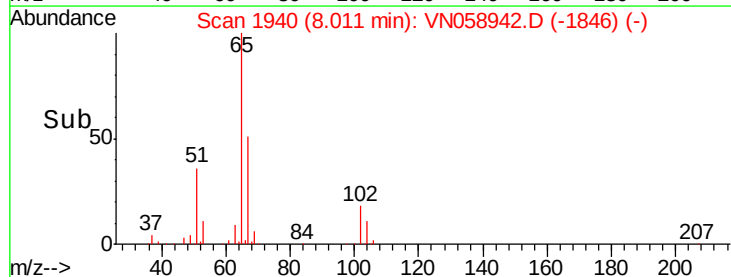
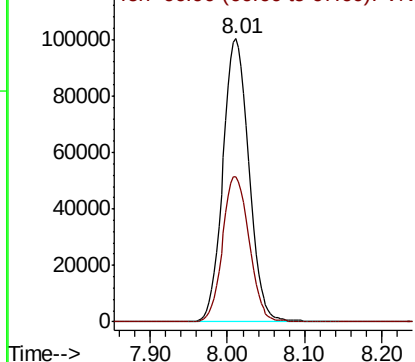


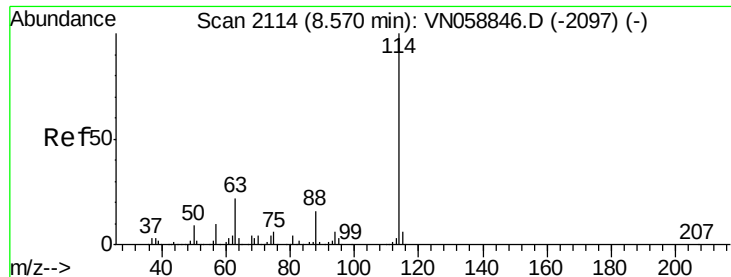
#33
1,2-Dichloroethane-d4
Concen: 50.005 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058942.D
Acq: 23 Oct 2019 19:48

Tgt Ion: 65 Resp: 234283
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

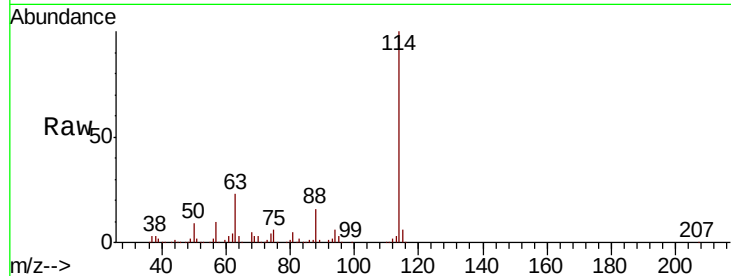




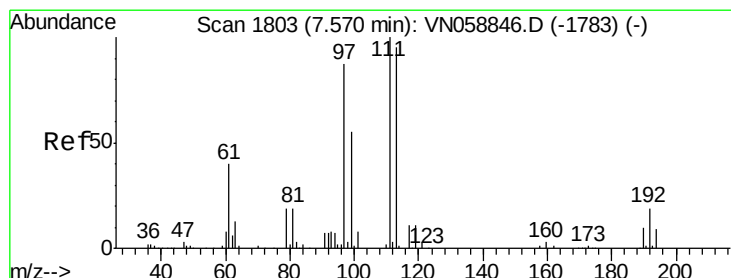
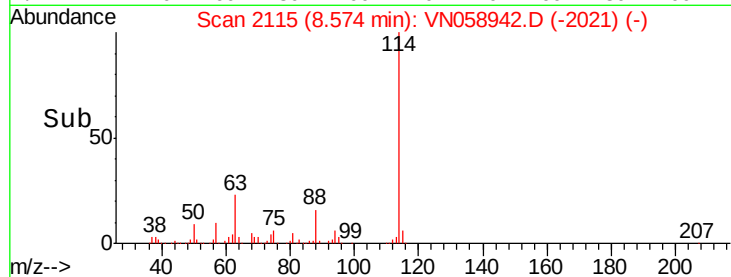
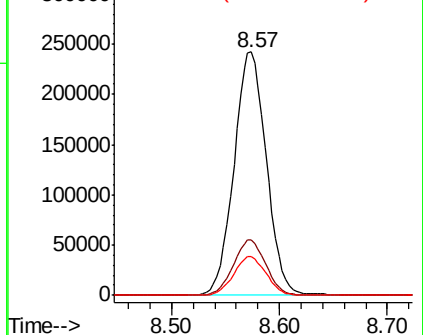
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058942.D
 Acq: 23 Oct 2019 19:48

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.4
88	15.9	0.0	31.4

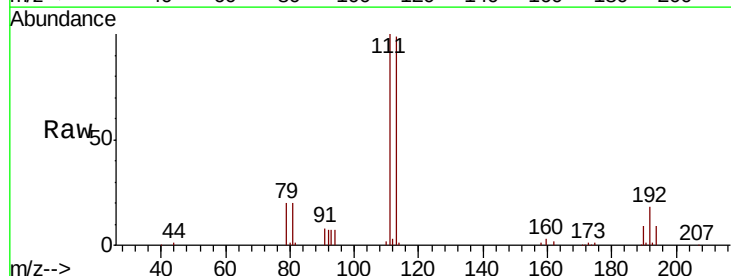


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

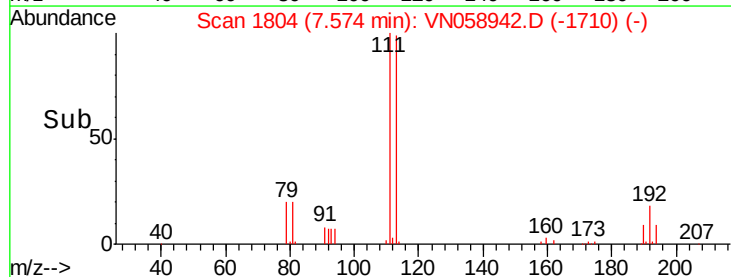
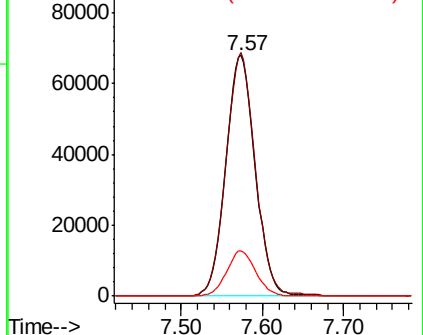


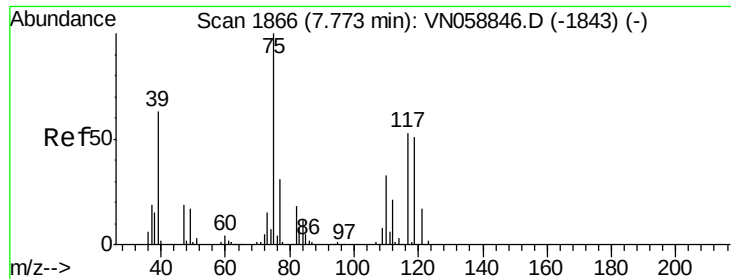
#35
 Dibromofluoromethane
 Concen: 51.784 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058942.D
 Acq: 23 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.0	123.0
192	18.5	15.0	22.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

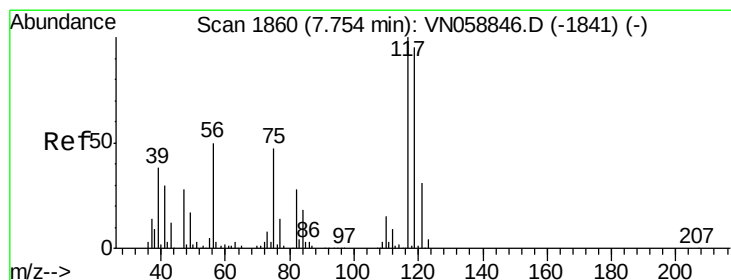
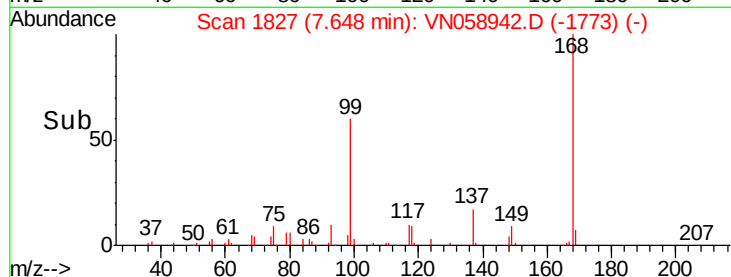
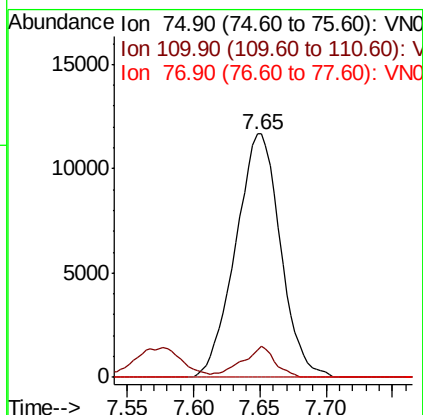
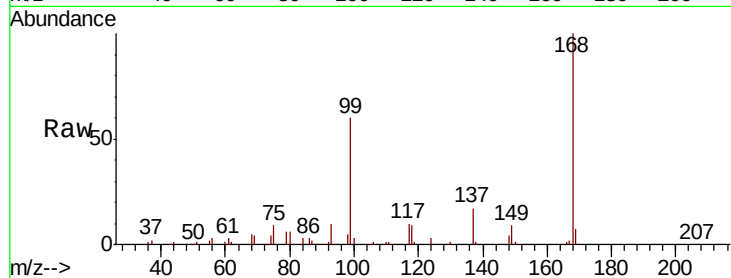




#36
 1,1-Dichloropropene
 Concen: 5.301 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058942.D
 Acq: 23 Oct 2019 19:48

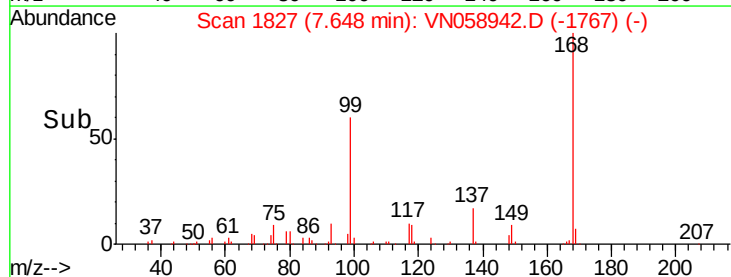
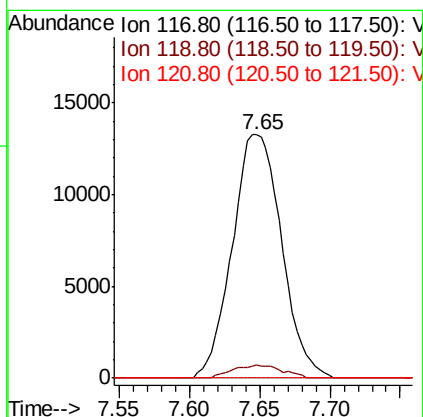
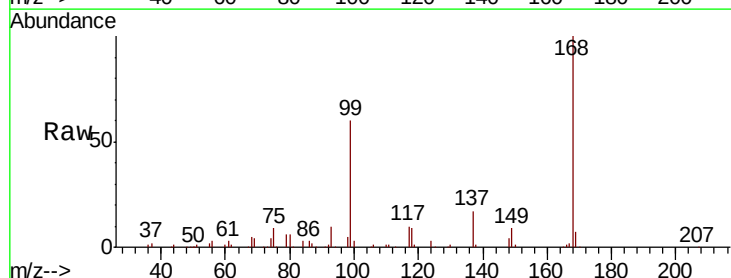
Instrument :
 MSVOA_N
 ClientSampled :

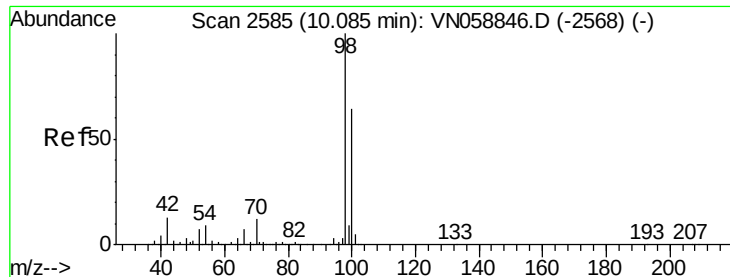
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.059 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058942.D
 Acq: 23 Oct 2019 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.7	113.5#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 48.463 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058942.D

Acq: 23 Oct 2019 19:48

Instrument :

MSVOA_N

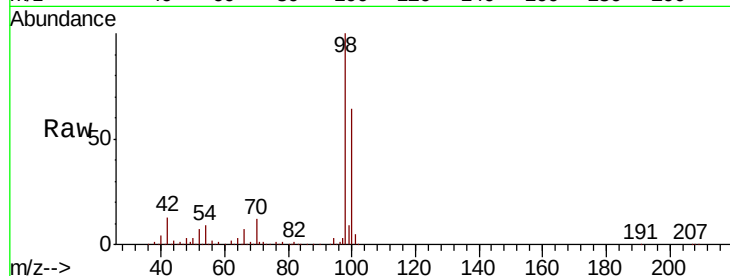
ClientSampleId :

Tot Ion: 98 Resp: 626797

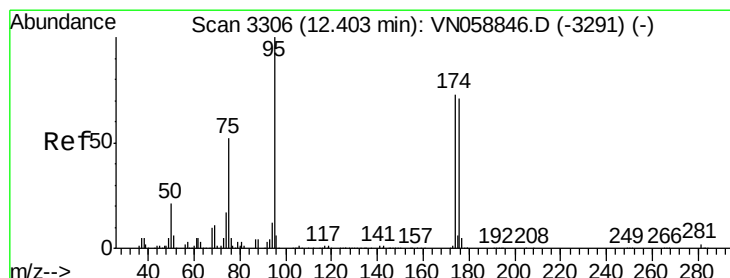
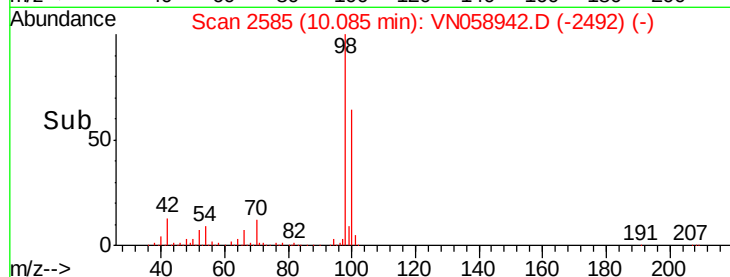
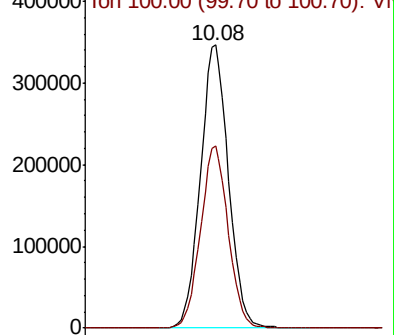
Ion Ratio Lower Upper

98 100

100 63.6 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN058846.D (-2568) (-)



#62

4-Bromofluorobenzene

Concen: 41.782 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058942.D

Acq: 23 Oct 2019 19:48

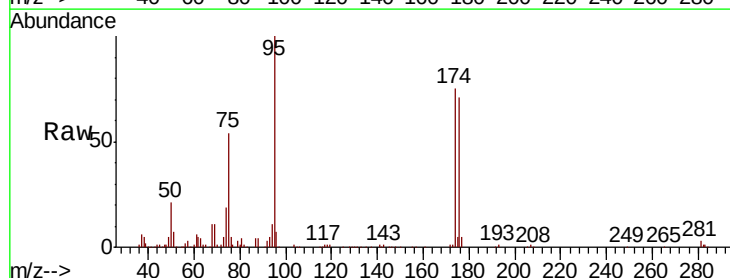
Tgt Ion: 95 Resp: 198441

Ion Ratio Lower Upper

95 100

174 77.0 0.0 147.6

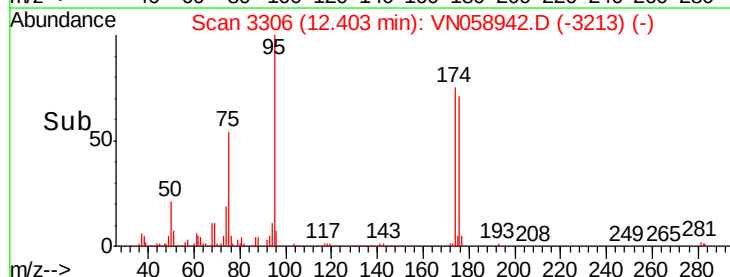
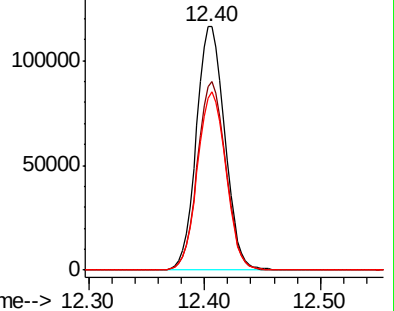
176 73.5 0.0 143.2

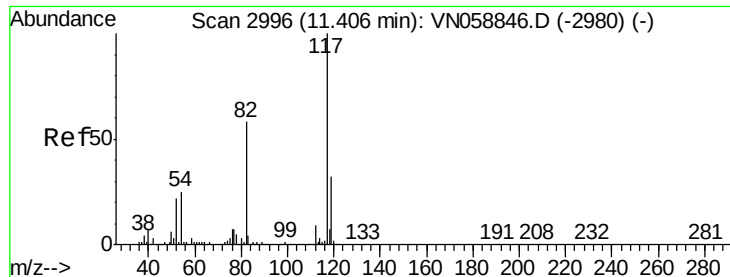


Abundance Ion 94.90 (94.60 to 95.60): VN058846.D (-3291) (-)

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: VN058942.D

Acq: 23 Oct 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

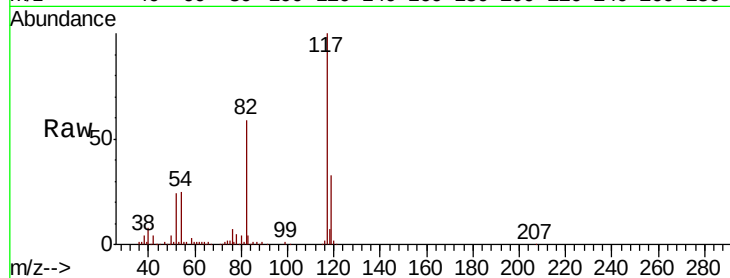
Tot Ion:117 Resp: 450913

Ion Ratio Lower Upper

117 100

82 59.4 46.6 69.8

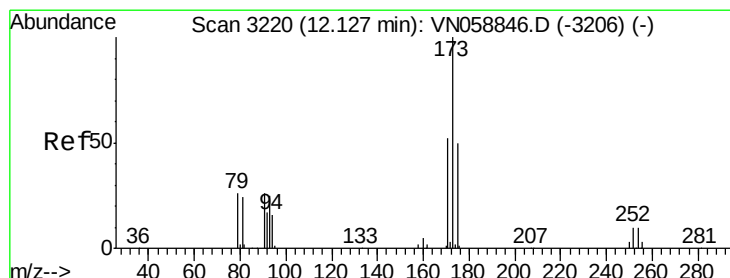
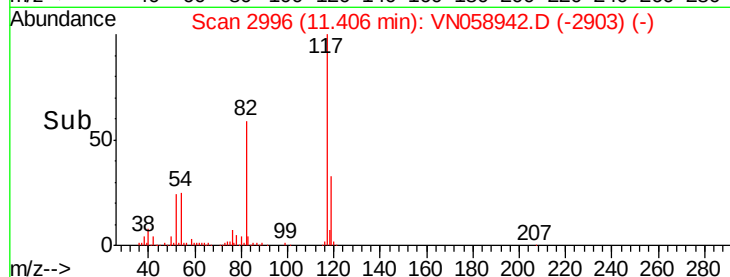
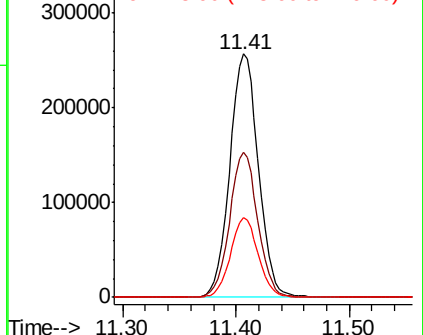
119 32.5 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.403 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN058942.D

Acq: 23 Oct 2019 19:48

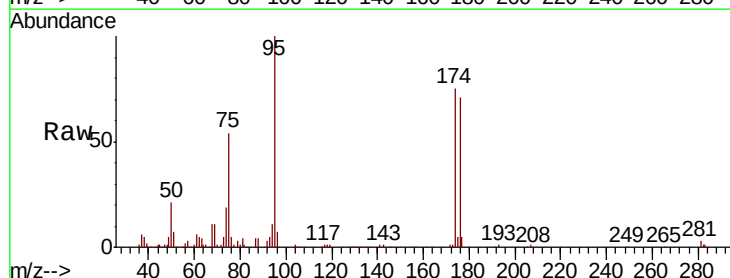
Tgt Ion:173 Resp: 1083

Ion Ratio Lower Upper

173 100

175 766.3 24.7 74.1#

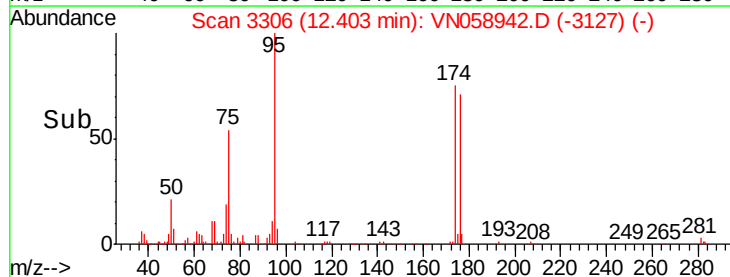
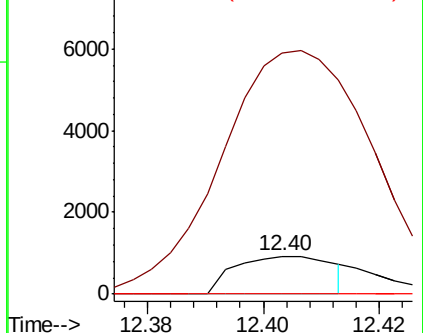
254 0.0 0.0 0.0

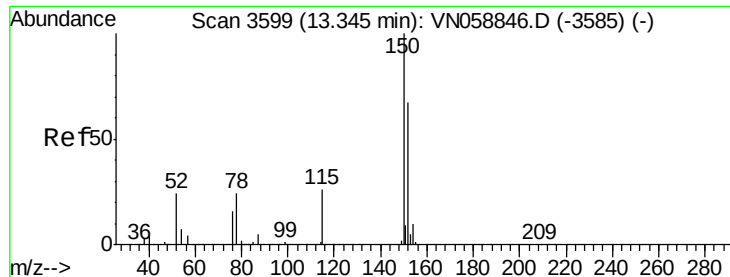


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058942.D

Acq: 23 Oct 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

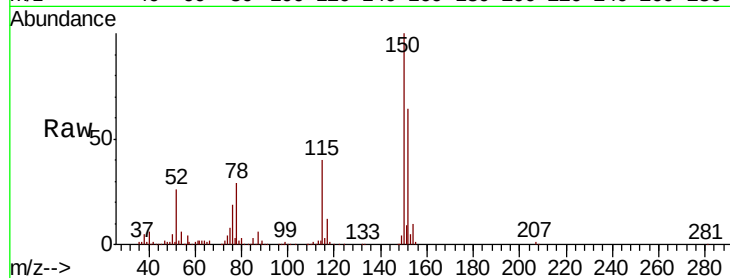
Tot Ion:152 Resp: 166507

Ion Ratio Lower Upper

152 100

115 60.6 30.5 91.5

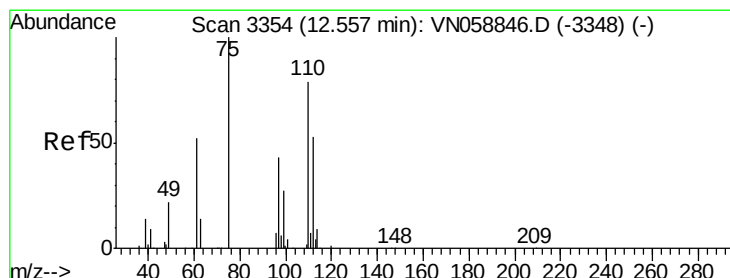
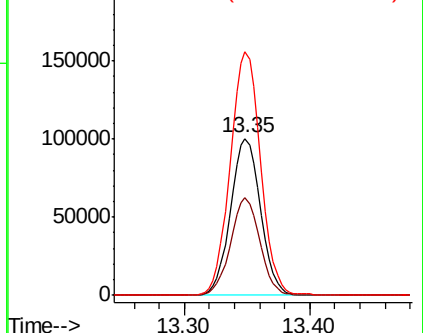
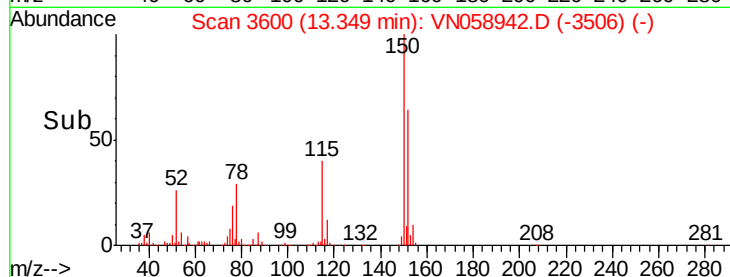
150 156.7 0.0 344.4



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: 27.752 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058942.D

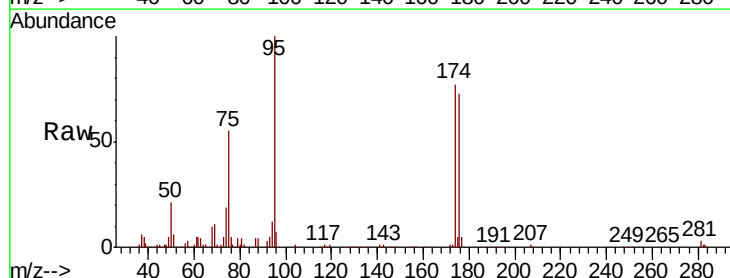
Acq: 23 Oct 2019 19:48

Tgt Ion: 75 Resp: 107093

Ion Ratio Lower Upper

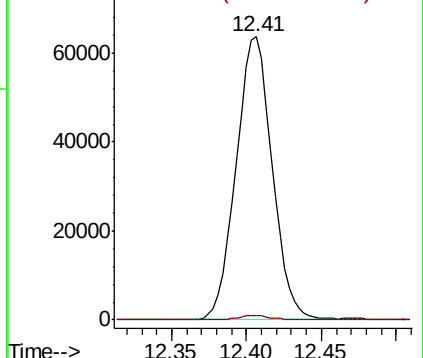
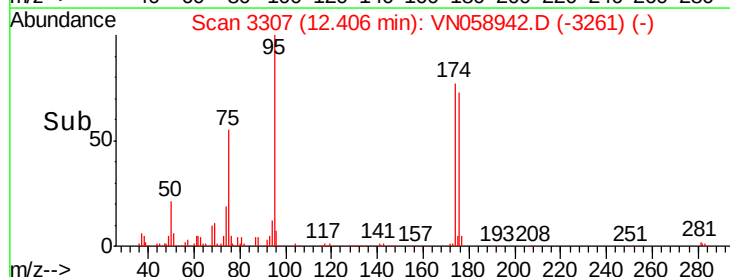
75 100

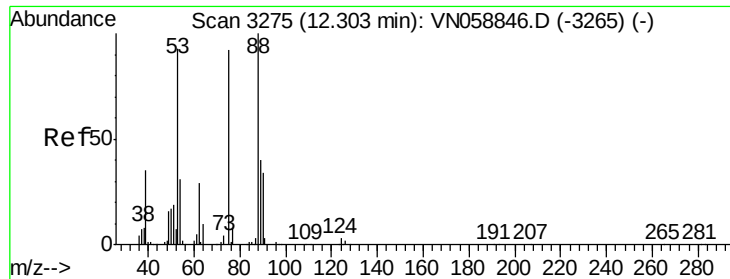
77 1.5 0.0 0.0#



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: 72.295 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058942.D

Acq: 23 Oct 2019 19:48

Instrument :

MSVOA_N

ClientSampleId :

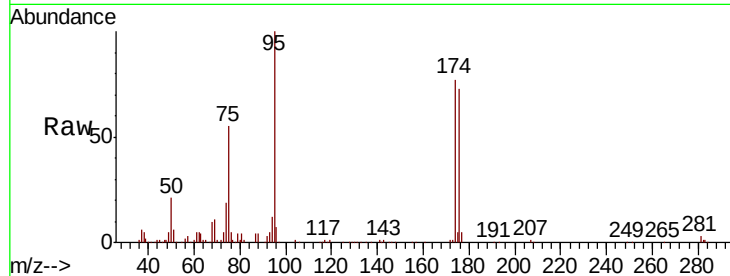
Tot Ion: 75 Resp: 107093

Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

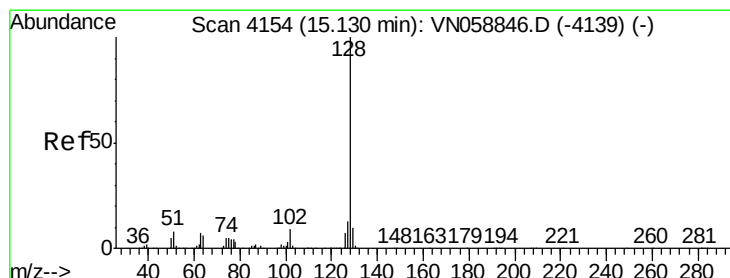
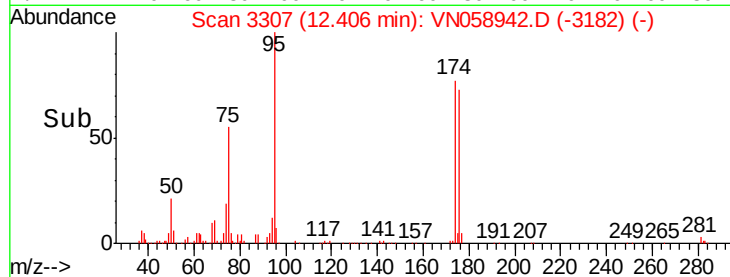
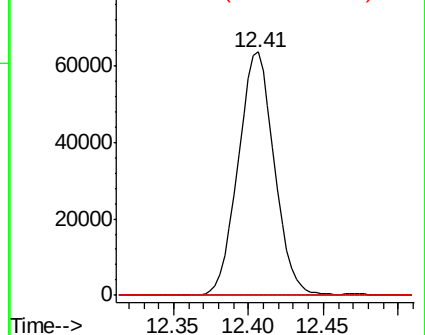
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN058846.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN058846.D (-3265) (-)



#95

Naphthalene

Concen: 2.283 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN058942.D

Acq: 23 Oct 2019 19:48

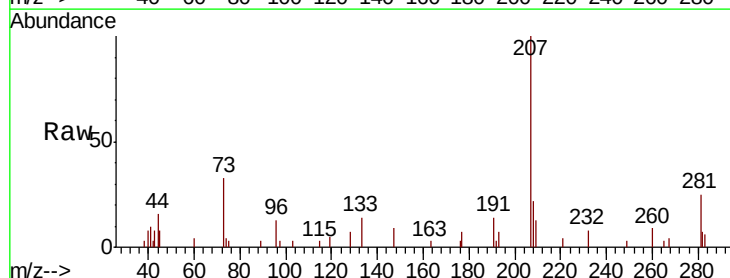
Tgt Ion: 128 Resp: 576

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): VN058846.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN058846.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN058846.D (-4139) (-)

