

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058966.D
 Acq On : 24 Oct 2019 17:02
 Operator : JC/SP
 Sample : K5486-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS038-191021RE

Quant Time: Oct 25 01:25:59 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	346455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	550512	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	487259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	172020	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	261425	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
35) Dibromofluoromethane	7.57	113	186032	51.40	ug/l	0.00
Spiked Amount			Recovery	=	102.80%	
50) Toluene-d8	10.08	98	685690	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
62) 4-Bromofluorobenzene	12.40	95	211298	40.95	ug/l	0.00
Spiked Amount			Recovery	=	81.90%	

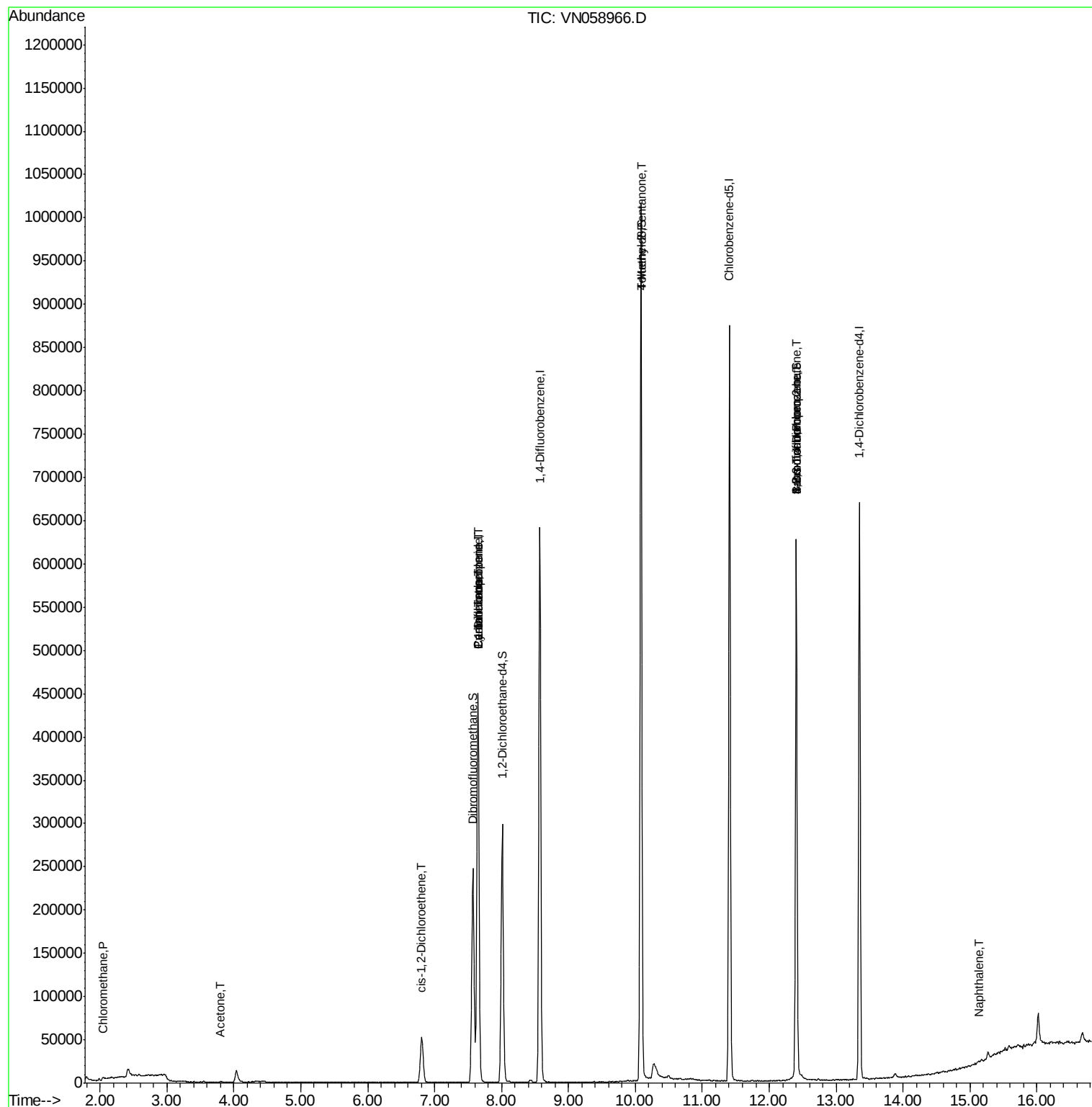
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1311	0.245	ug/l #	80
16) Acetone	3.80	43	1526	0.608	ug/l #	46
27) cis-1,2-Dichloroethene	6.81	96	29090	6.751	ug/l	81
31) Cyclohexane	7.65	56	8251	1.130	ug/l #	4
36) 1,1-Dichloropropene	7.64	75	29839	5.294	ug/l #	51
38) Carbon Tetrachloride	7.65	117	35585	6.129	ug/l #	17
51) 4-Methyl-2-Pentanone	10.09	43	3727	0.648	ug/l #	1
71) Bromoform	12.40	173	1007	0.347	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	114561	28.735	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	114561	74.858	ug/l #	10
95) Naphthalene	15.14	128	329	2.257	ug/l #	70

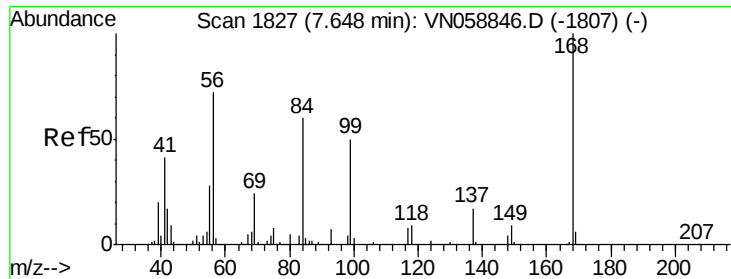
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

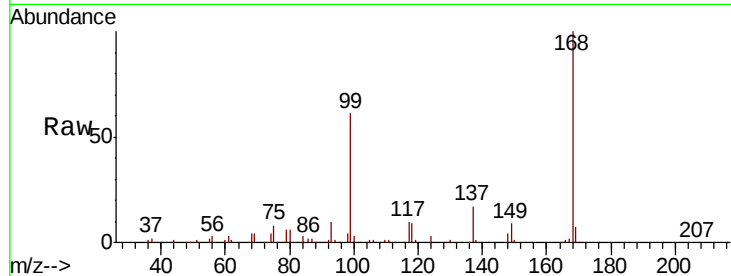
KY038PS038-191021RE

Tot Ion:168 Resp: 346455

Ion Ratio Lower Upper

168 100

99 60.6 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

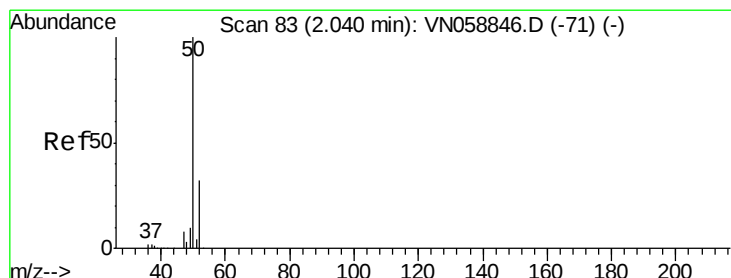
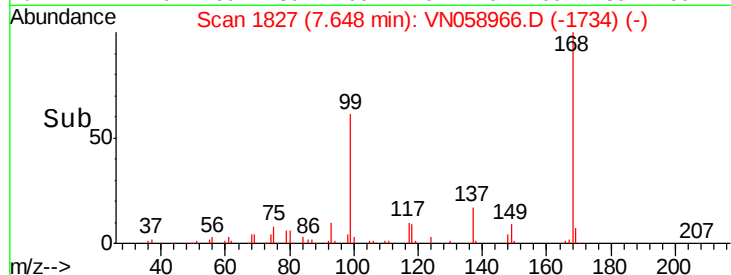
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.245 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058966.D

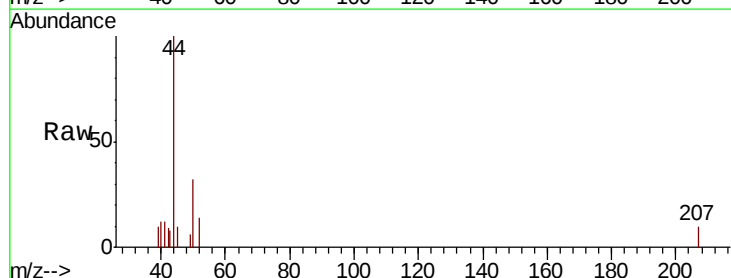
Acq: 24 Oct 2019 17:02

Tgt Ion: 50 Resp: 1311

Ion Ratio Lower Upper

50 100

52 43.2 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VN058846.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN058846.D (-71) (-)

2.04

1000

800

600

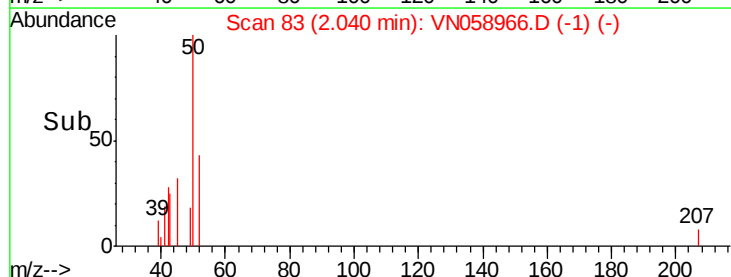
400

200

0

2.00 2.02 2.04 2.06 2.08

Time-->





#16

Acetone

Concen: 0.608 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

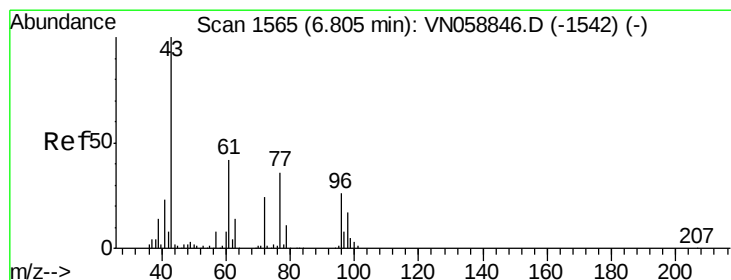
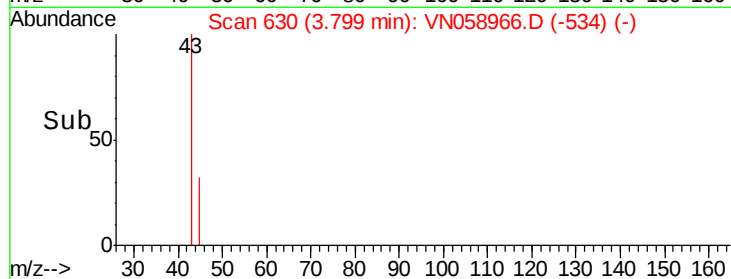
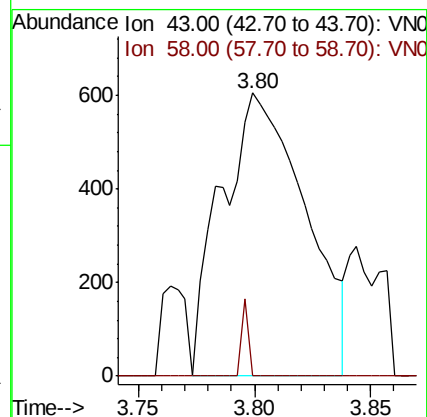
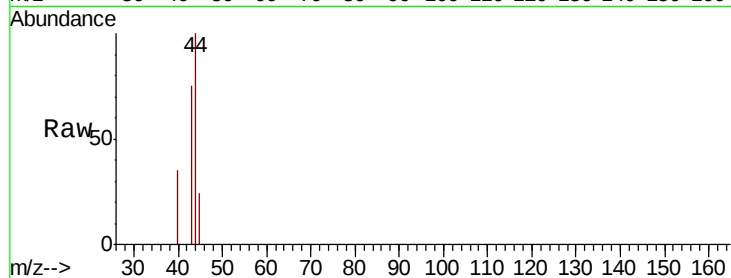
KY038PS038-191021RE

Tot Ion: 43 Resp: 1526

Ion Ratio Lower Upper

43 100

58 0.0 23.1 34.7#



#27

cis-1,2-Dichloroethene

Concen: 6.751 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

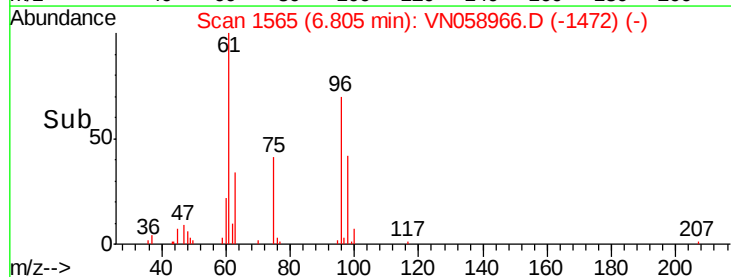
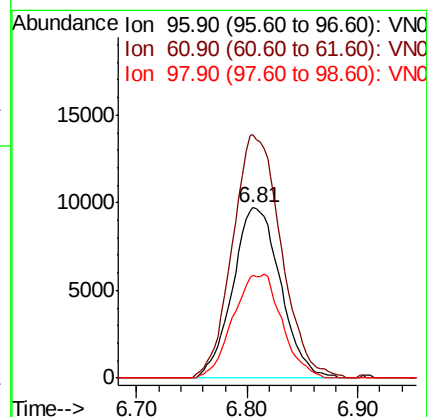
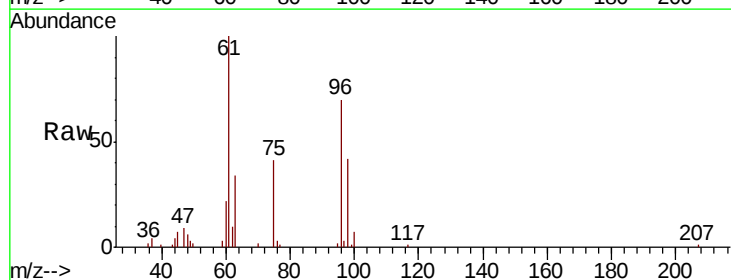
Tgt Ion: 96 Resp: 29090

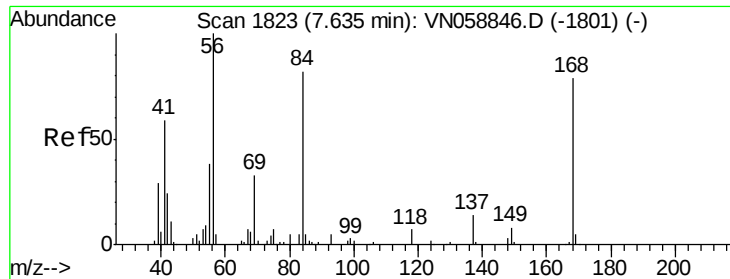
Ion Ratio Lower Upper

96 100

61 145.6 0.0 325.0

98 36.0 0.0 128.0

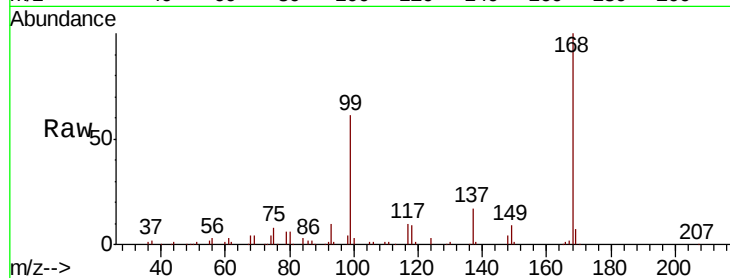




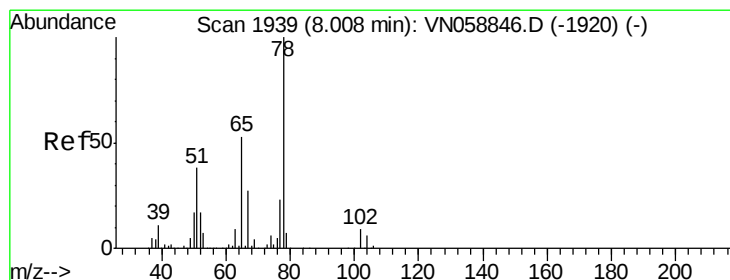
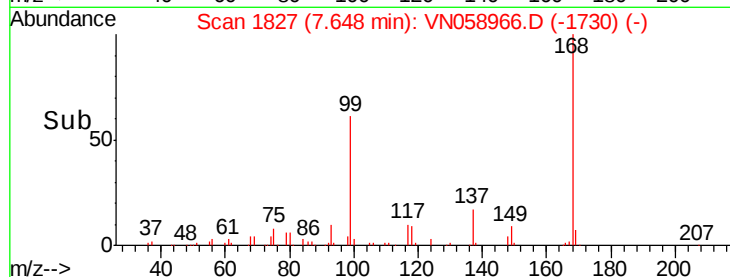
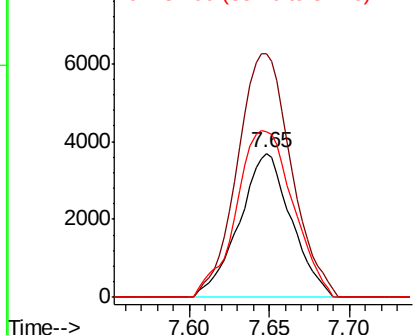
#31
Cyclohexane
Concen: 1.130 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058966.D
Acq: 24 Oct 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
KY038PS038-191021RE

Tot Ion: 56 Resp: 8251
Ion Ratio Lower Upper
56 100
69 168.8 26.2 39.4#
84 115.4 65.6 98.4#

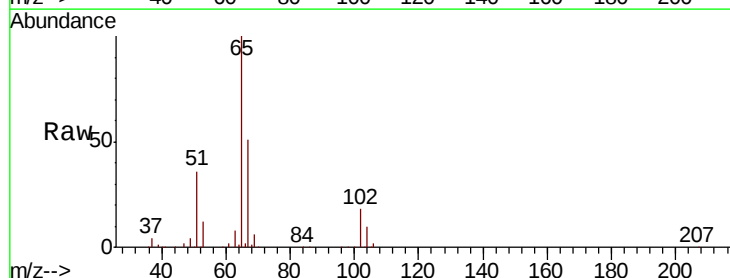


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

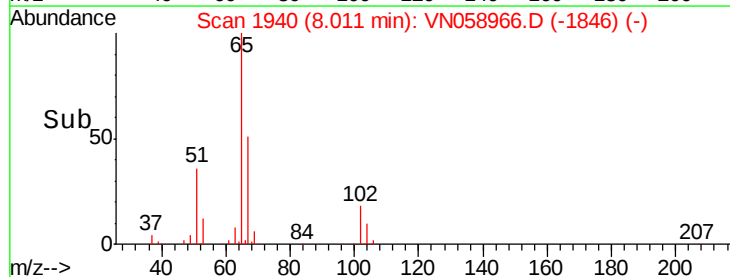
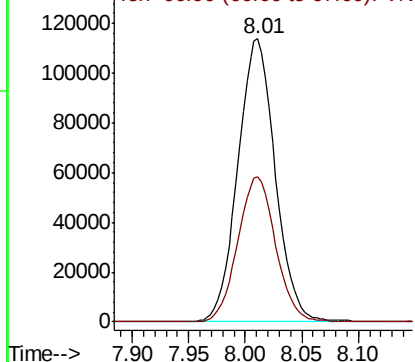


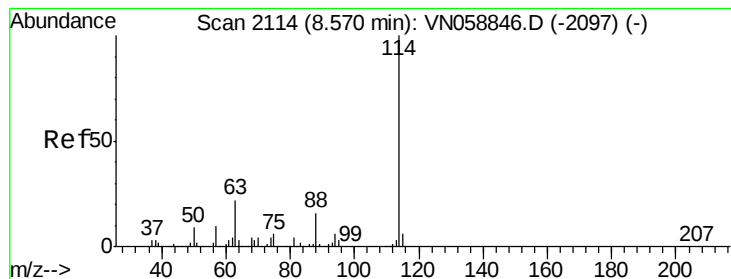
#33
1,2-Dichloroethane-d4
Concen: 51.448 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058966.D
Acq: 24 Oct 2019 17:02

Tgt Ion: 65 Resp: 261425
Ion Ratio Lower Upper
65 100
67 51.9 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# 2114

Delta R.T. 0.00 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

KY038PS038-191021RE

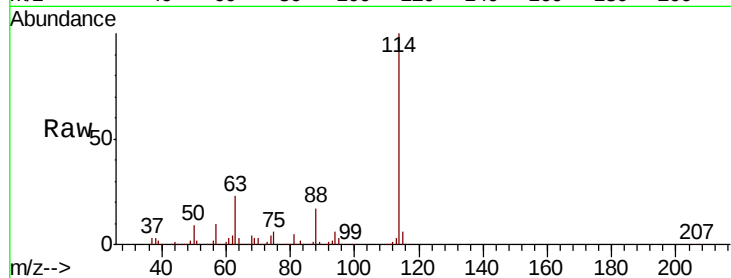
Tot Ion:114 Resp: 550512

Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.4

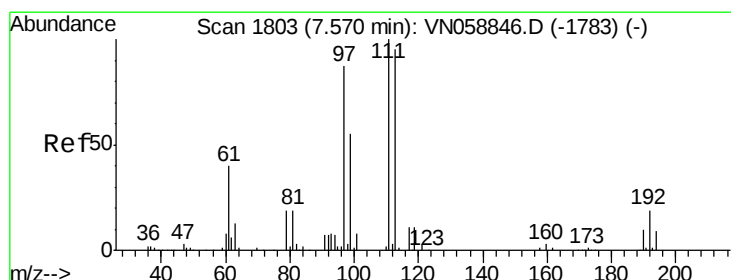
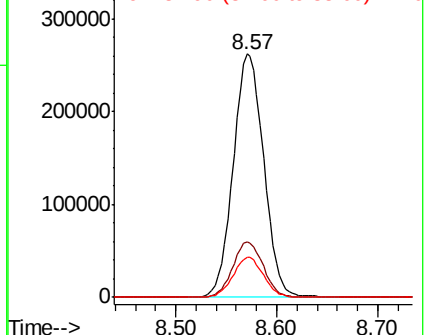
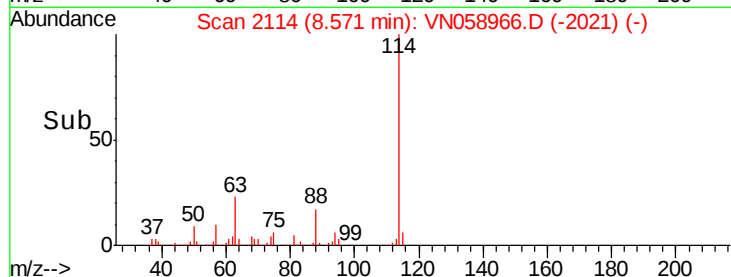
88 16.5 0.0 31.4



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: 51.398 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

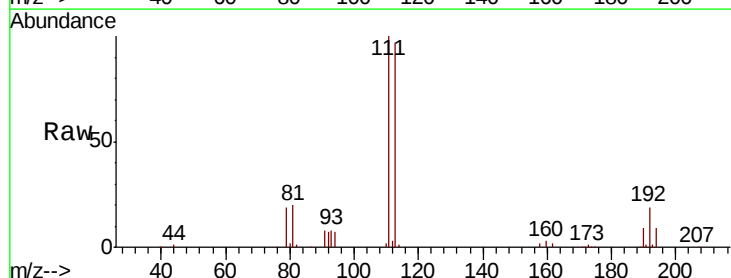
Tgt Ion:113 Resp: 186032

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

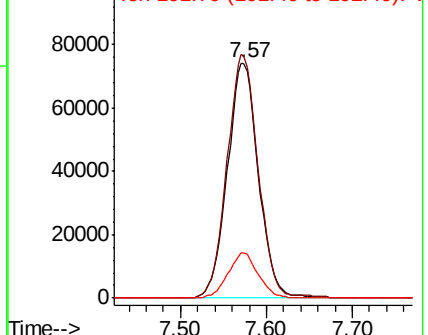
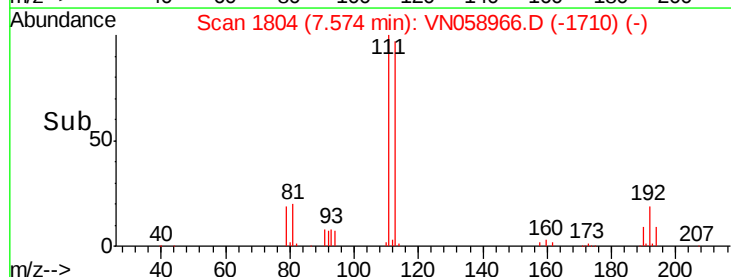
192 18.6 15.0 22.6

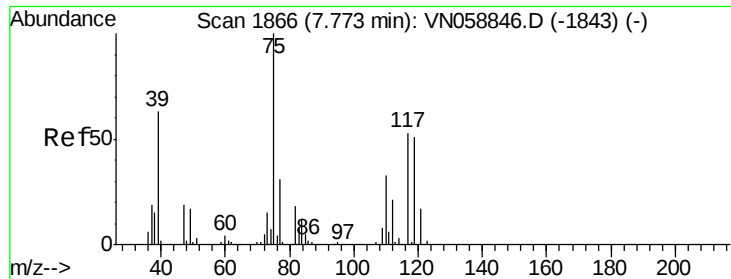


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

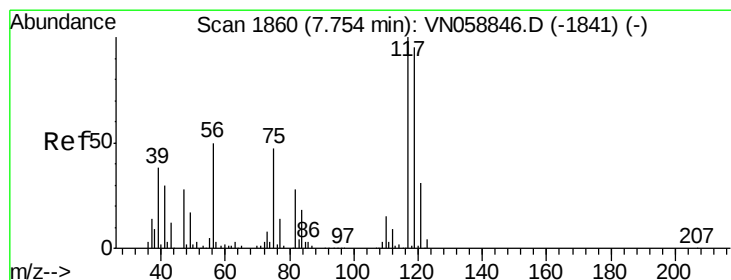
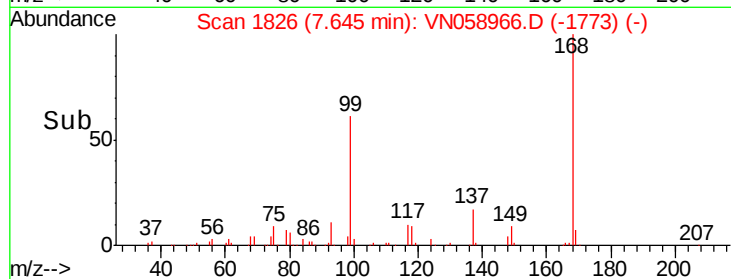
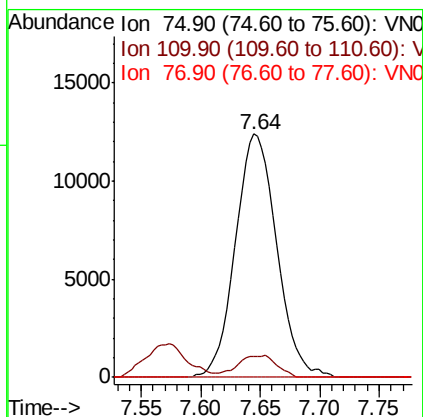
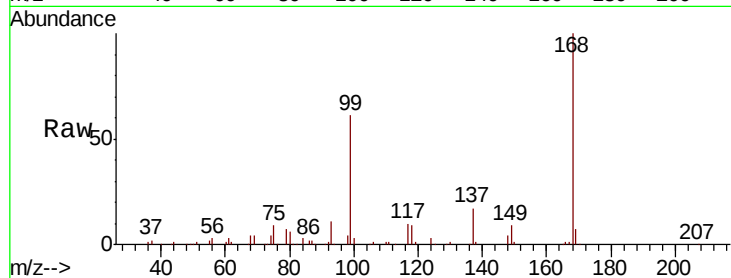




#36
 1,1-Dichloropropene
 Concen: 5.294 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058966.D
 Acq: 24 Oct 2019 17:02

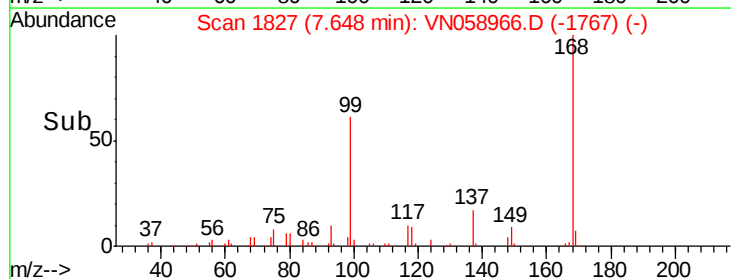
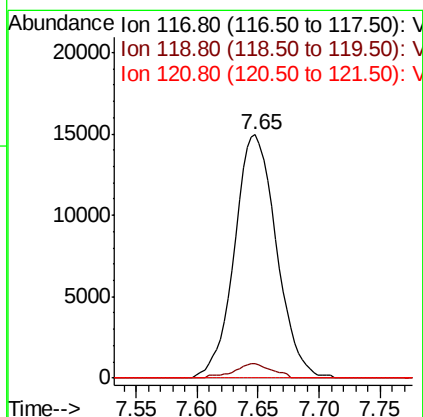
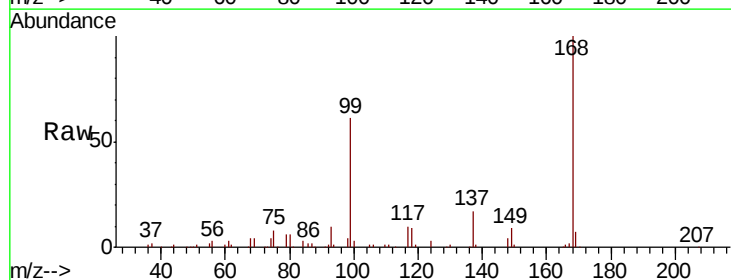
Instrument :
 MSVOA_N
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 KY038PS038-191021RE

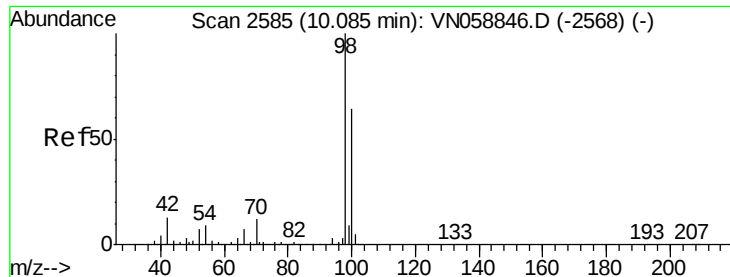
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	16.3	48.9#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.129 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.11 min
 Lab File: VN058966.D
 Acq: 24 Oct 2019 17:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.7	113.5#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: 48.803 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

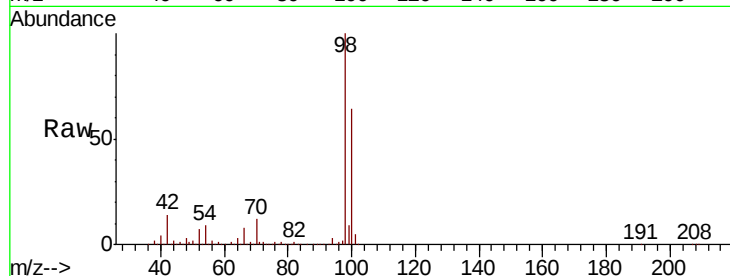
KY038PS038-191021RE

Tot Ion: 98 Resp: 685690

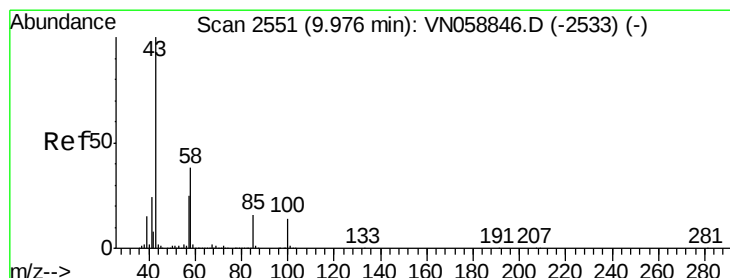
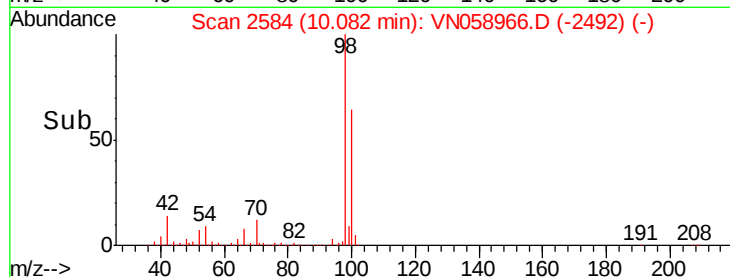
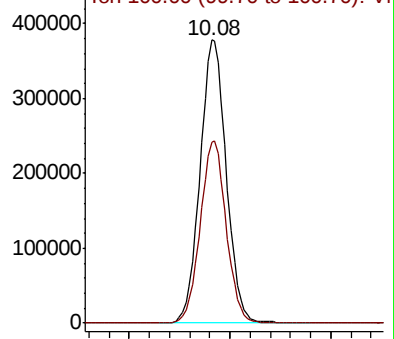
Ion Ratio Lower Upper

98 100

100 63.6 51.4 77.2



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



#51

4-Methyl-2-Pentanone

Concen: 0.648 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.11 min

Lab File: VN058966.D

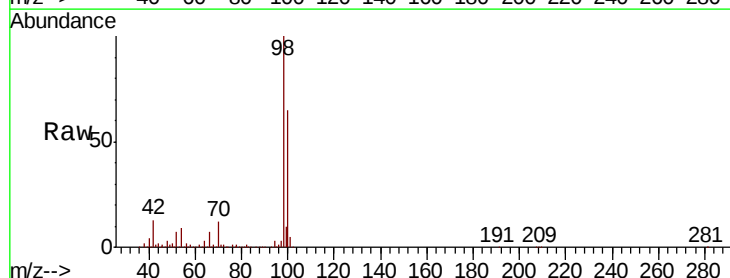
Acq: 24 Oct 2019 17:02

Tgt Ion: 43 Resp: 3727

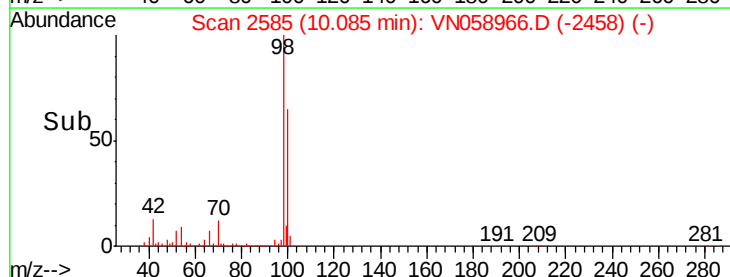
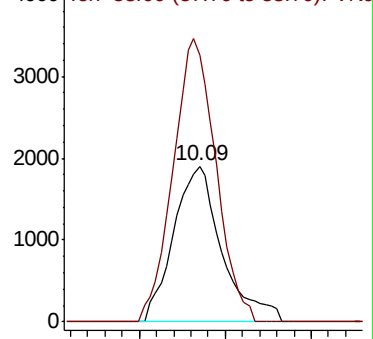
Ion Ratio Lower Upper

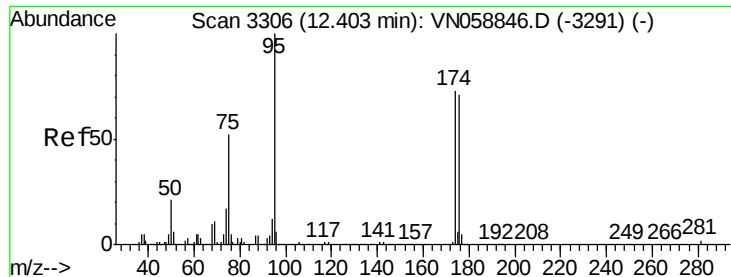
43 100

58 160.5 29.9 44.9#



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





#62

4-Bromofluorobenzene

Concen: 40.952 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

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KY038PS038-191021RE

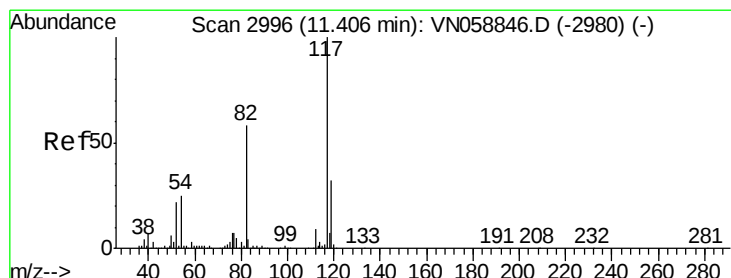
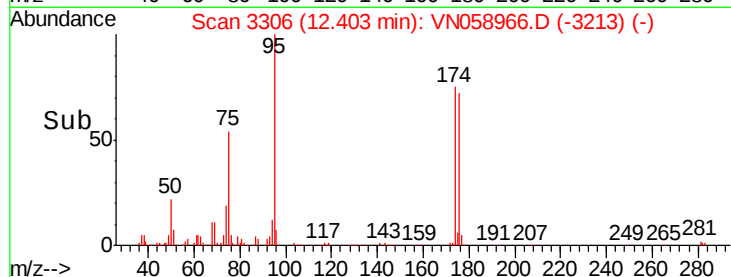
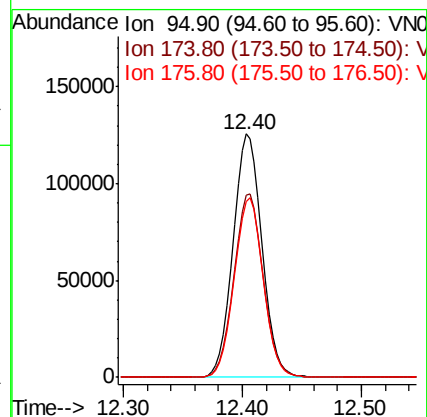
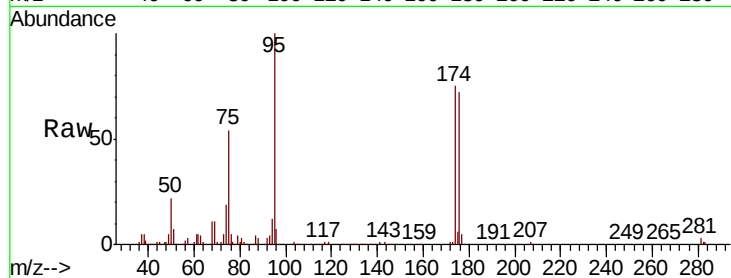
Tot Ion: 95 Resp: 211298

Ion Ratio Lower Upper

95 100

174 76.4 0.0 147.6

176 74.1 0.0 143.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

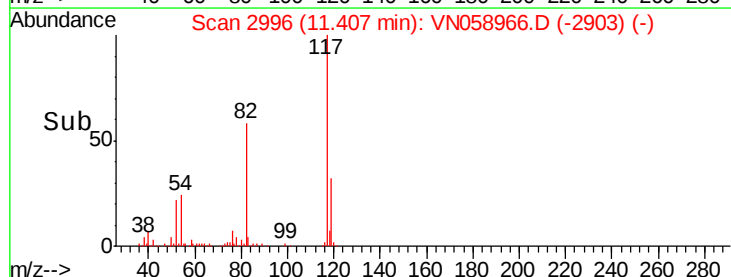
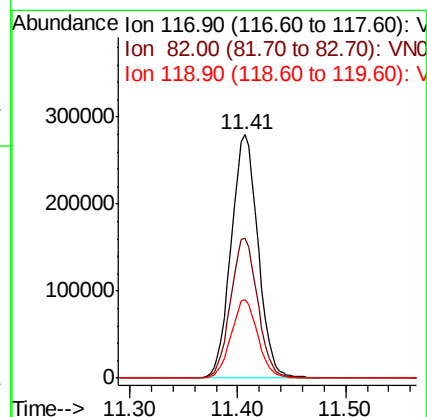
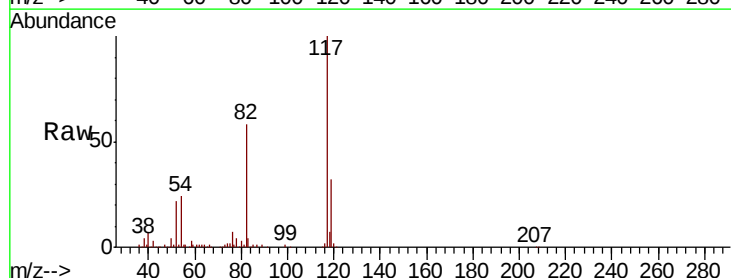
Tgt Ion: 117 Resp: 487259

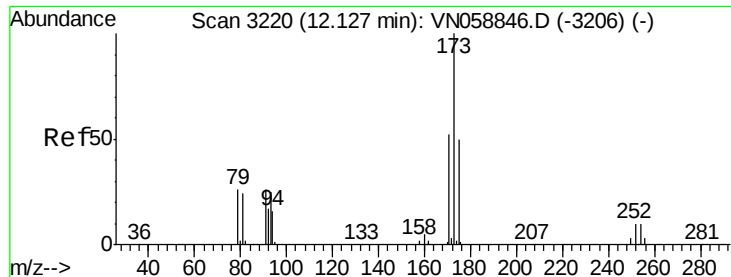
Ion Ratio Lower Upper

117 100

82 57.5 46.6 69.8

119 32.2 25.6 38.4





#71

Bromoform

Concen: 0.347 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

KY038PS038-191021RE

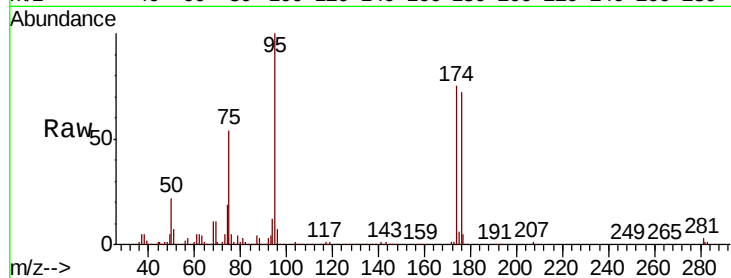
Tot Ion:173 Resp: 1007

Ion Ratio Lower Upper

173 100

175 941.5 24.7 74.1#

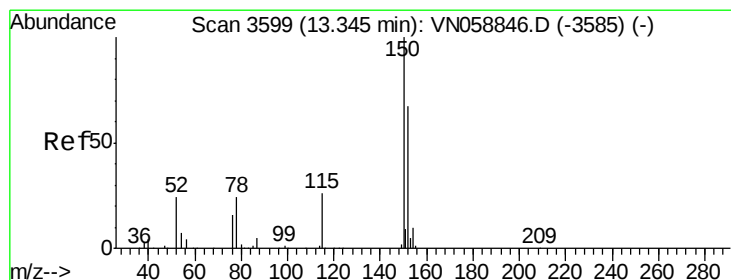
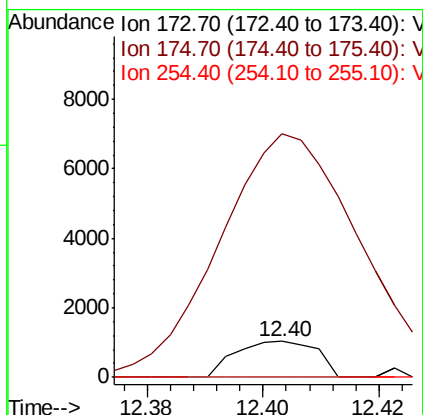
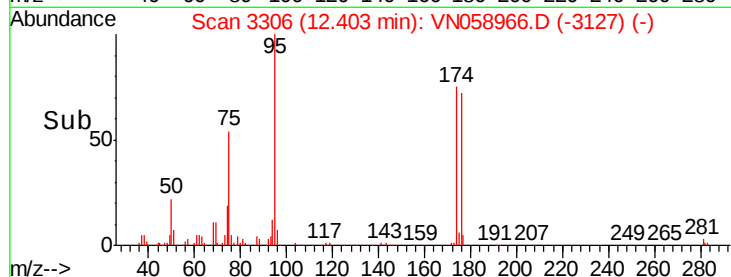
254 0.0 0.0 0.0



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: VN058966.D

Acq: 24 Oct 2019 17:02

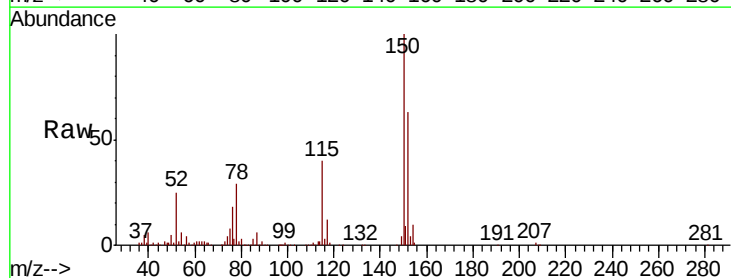
Tgt Ion:152 Resp: 172020

Ion Ratio Lower Upper

152 100

115 60.1 30.5 91.5

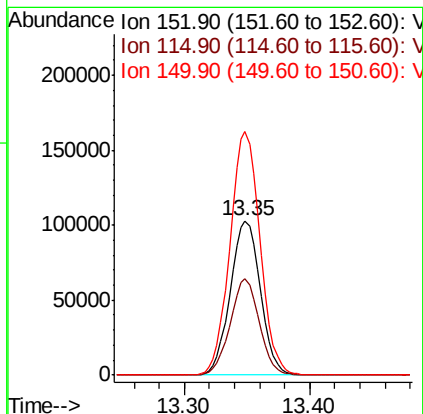
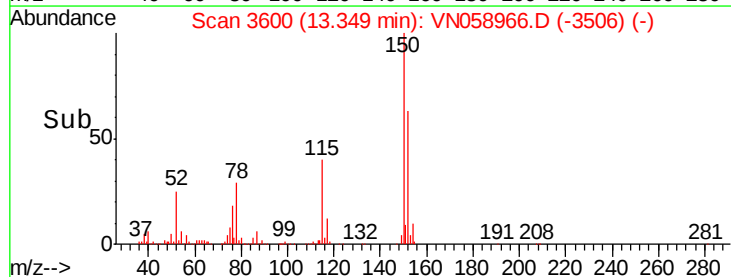
150 156.6 0.0 344.4

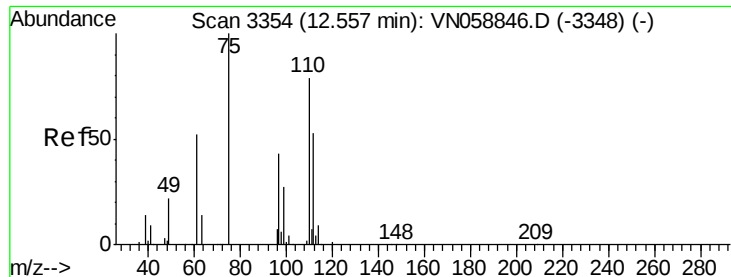


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.735 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

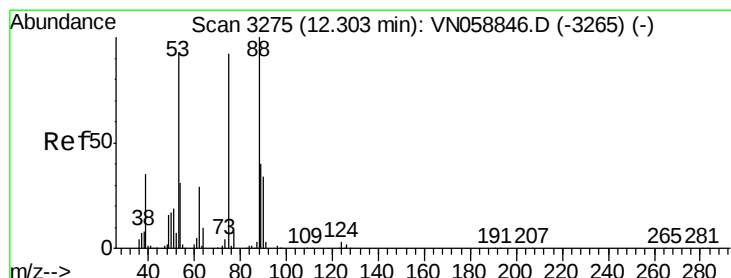
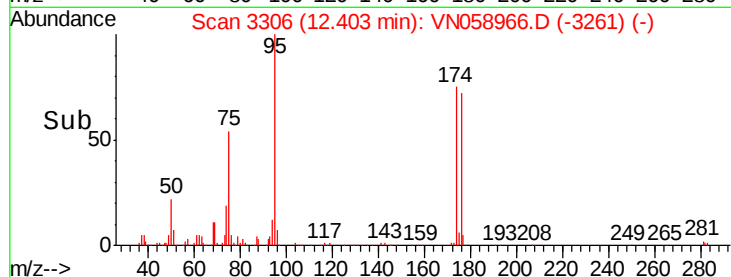
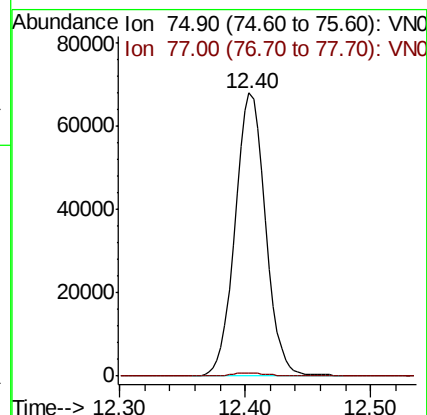
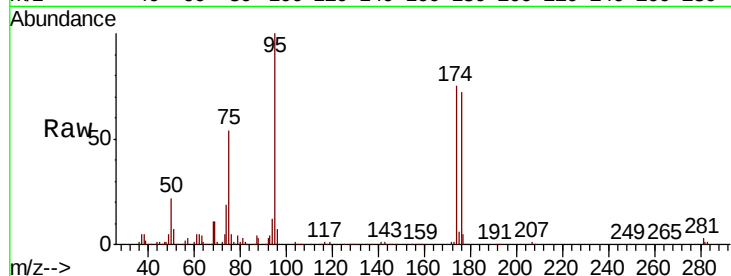
KY038PS038-191021RE

Tot Ion: 75 Resp: 114561

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.858 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058966.D

Acq: 24 Oct 2019 17:02

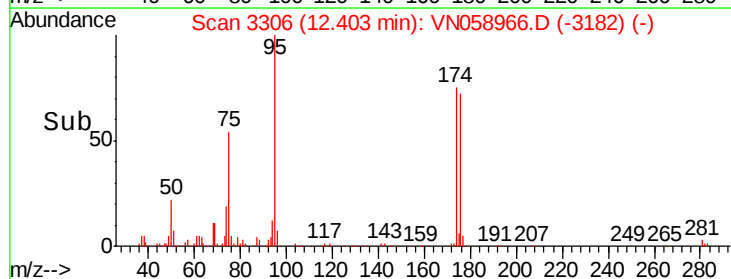
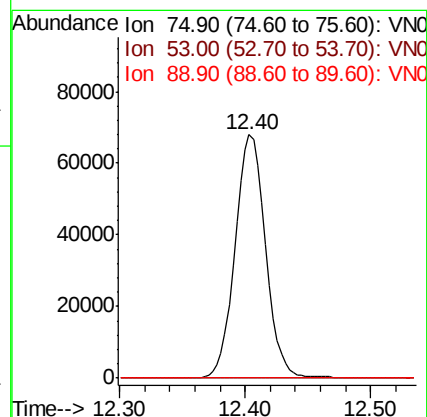
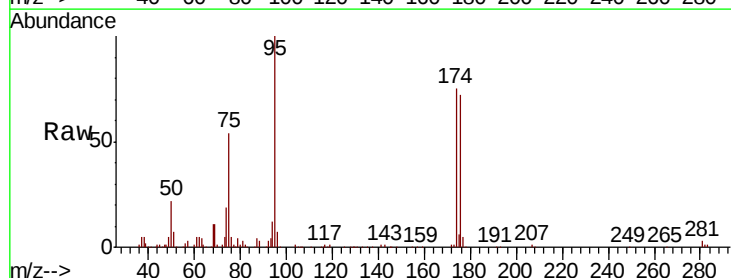
Tgt Ion: 75 Resp: 114561

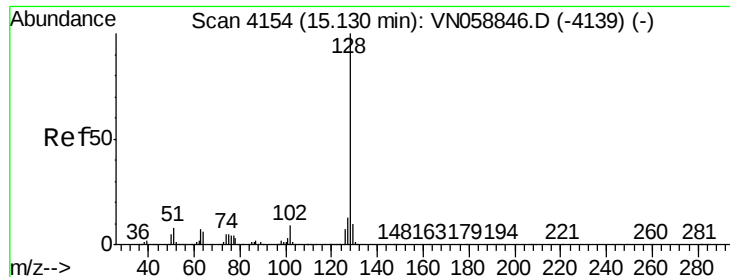
Ion Ratio Lower Upper

75 100

53 0.0 78.6 118.0#

89 0.0 35.4 53.0#





#95

Naphthalene

Concen: 2.257 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN058966.D

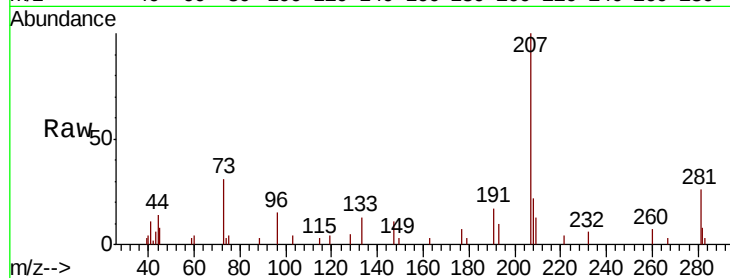
Acq: 24 Oct 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

KY038PS038-191021RE



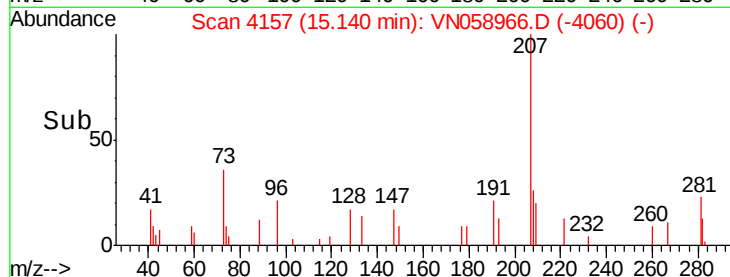
Tot Ion:128 Resp: 329

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

15.14

300

200

100

0

Time--> 15.12 15.14 15.16