

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056739.D
 Acq On : 16 Jul 2019 2:30
 Operator : JC/SP
 Sample : K3814-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY0300F006-SW-190712

Quant Time: Jul 16 04:29:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	267400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	475211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	495010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194317	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	152648	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
35) Dibromofluoromethane	7.59	113	142764	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	589886	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.40	95	218172	56.64	ug/l	0.00
Spiked Amount			Recovery	=	113.28%	

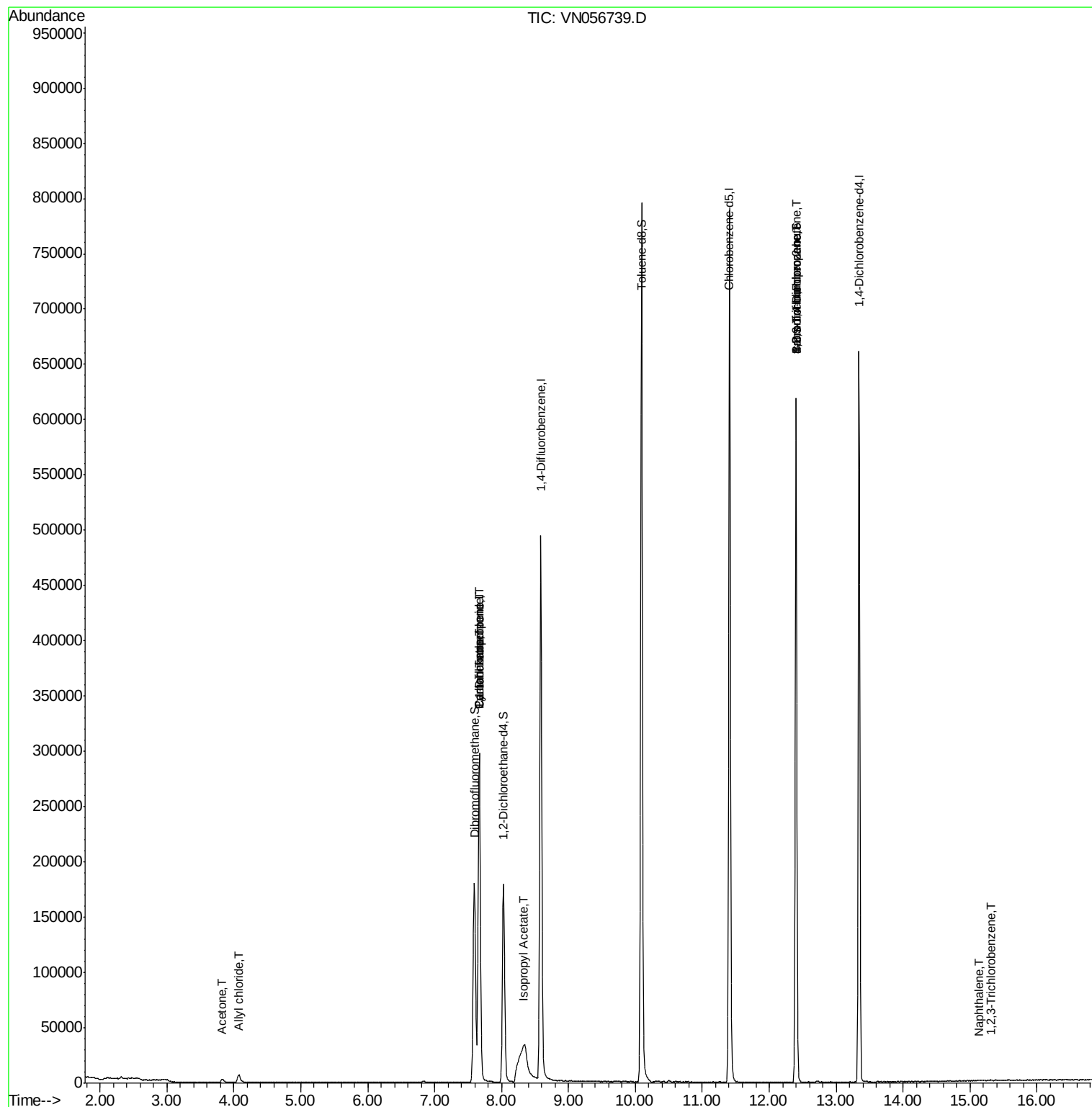
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.07	41	1081	0.249	ug/l #	81
16) Acetone	3.82	43	6049	4.438	ug/l	99
18) Methyl Acetate	4.35	43	419	Below Cal	#	52
31) Cyclohexane	7.66	56	4129	0.873	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	17431	3.964	ug/l #	49
38) Carbon Tetrachloride	7.67	117	23303	5.651	ug/l #	16
43) Isopropyl Acetate	8.32	43	60101	8.821	ug/l #	54
71) Bromoform	12.40	173	1469	0.518	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	101389	23.856	ug/l #	100
79) 2-Chlorotoluene	12.59	91	284	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	101389	73.676	ug/l #	13
95) Naphthalene	15.13	128	455	4.565	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	206	3.374	ug/l #	13

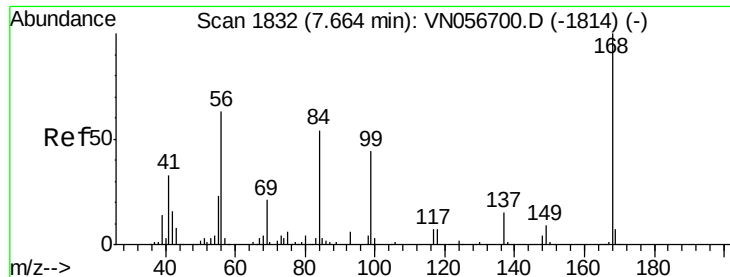
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056739.D

Acq: 16 Jul 2019 2:30

Instrument :

MSVOA_N

ClientSampleId :

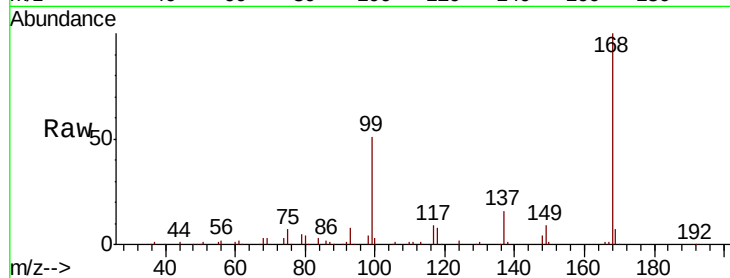
KY0300F006-SW-190712

Tot Ion:168 Resp: 267400

Ion Ratio Lower Upper

168 100

99 50.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

120000

100000

80000

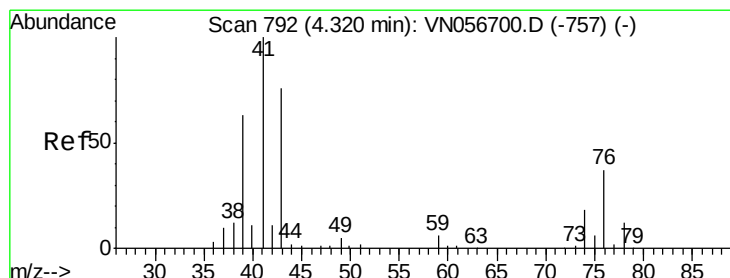
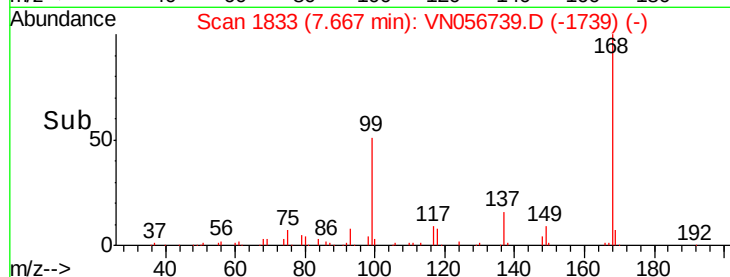
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 0.249 ug/l

RT: 4.07 min Scan# 715

Delta R.T. -0.25 min

Lab File: VN056739.D

Acq: 16 Jul 2019 2:30

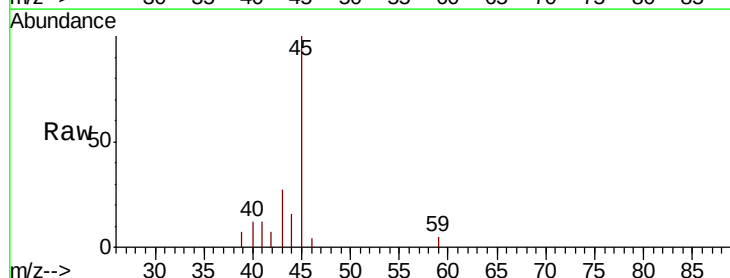
Tgt Ion: 41 Resp: 1081

Ion Ratio Lower Upper

41 100

39 42.1 46.9 70.3#

76 41.4 26.5 39.7#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.07

600

500

400

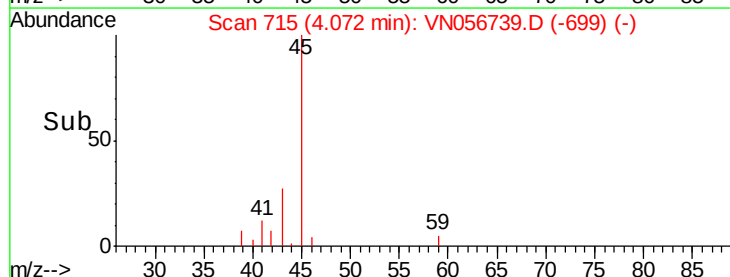
300

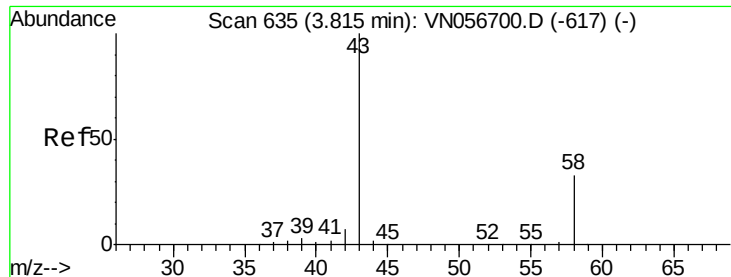
200

100

0

Time-->





#16

Acetone

Concen: 4.438 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056739.D

Acq: 16 Jul 2019 2:30

Instrument :

MSVOA_N

ClientSampleId :

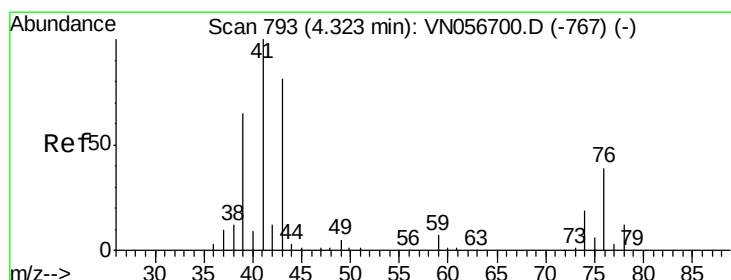
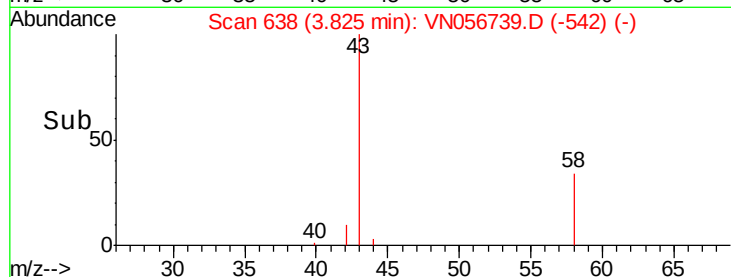
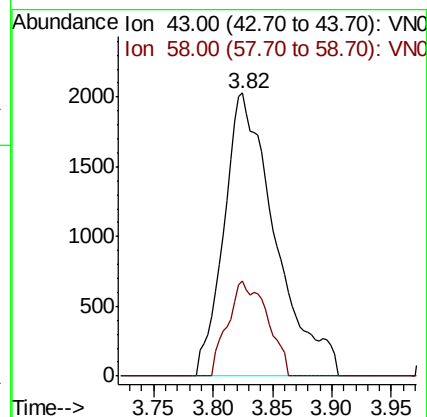
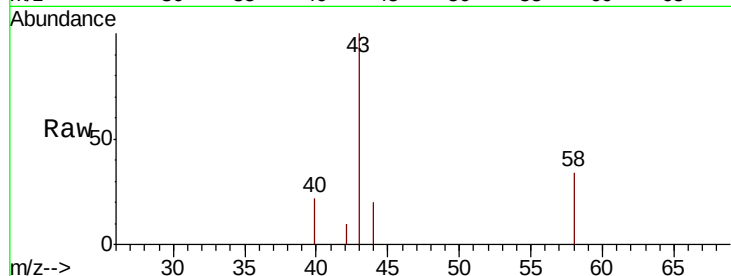
KY0300F006-SW-190712

Tot Ion: 43 Resp: 6049

Ion Ratio Lower Upper

43 100

58 33.8 26.7 40.1



#18

Methyl Acetate

Concen: Below Cal

RT: 4.35 min Scan# 802

Delta R.T. 0.03 min

Lab File: VN056739.D

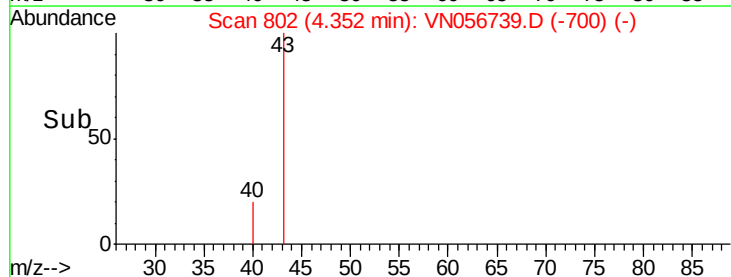
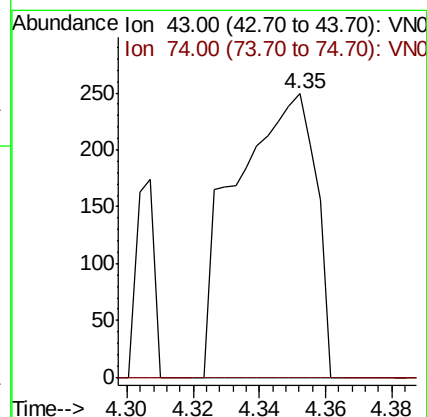
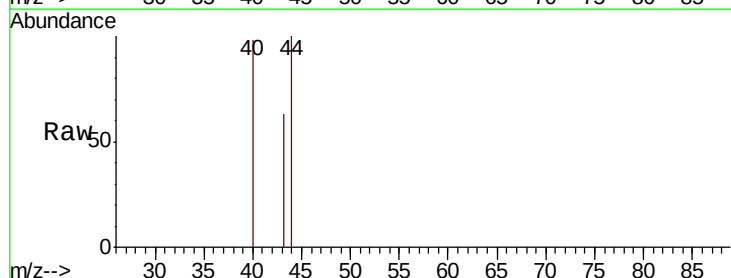
Acq: 16 Jul 2019 2:30

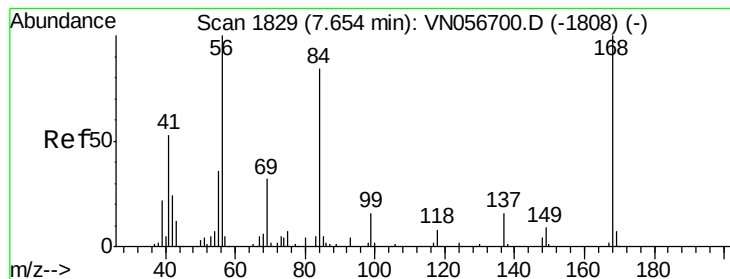
Tgt Ion: 43 Resp: 419

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#





#31

Cyclohexane

Concen: 0.873 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056739.D

Acq: 16 Jul 2019 2:30

Instrument :

MSVOA_N

ClientSampleId :

KY0300F006-SW-190712

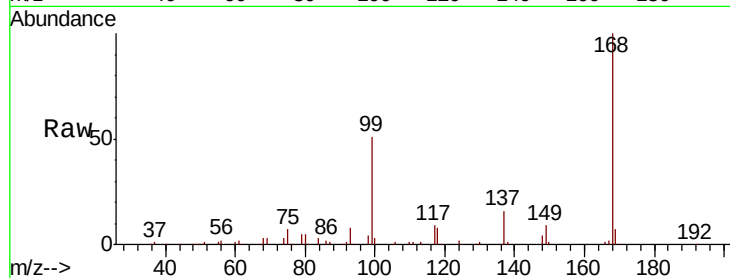
Tot Ion: 56 Resp: 4129

Ion Ratio Lower Upper

56 100

69 203.5 25.8 38.8#

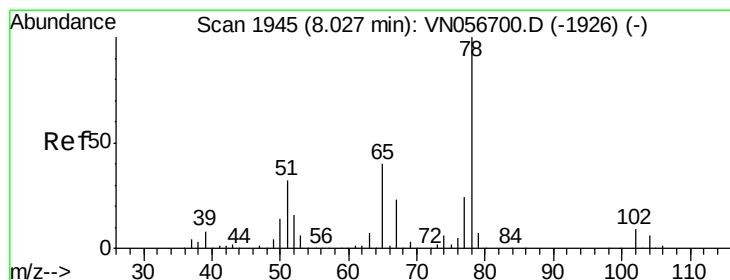
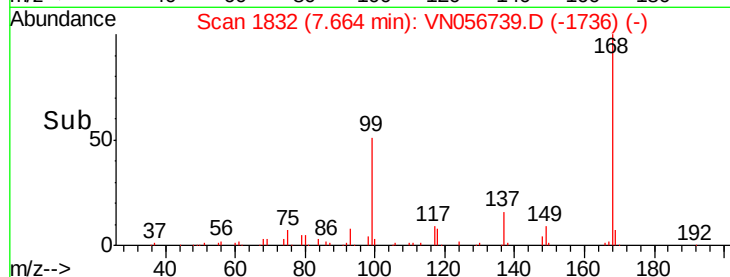
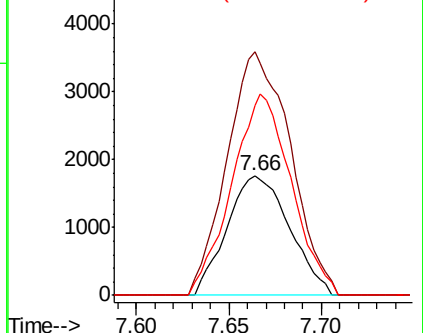
84 158.8 67.4 101.0#



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: 51.608 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN056739.D

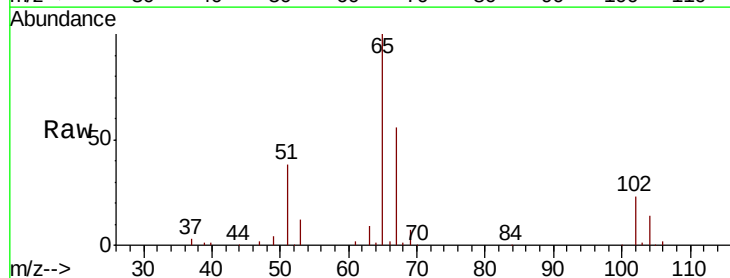
Acq: 16 Jul 2019 2:30

Tgt Ion: 65 Resp: 152648

Ion Ratio Lower Upper

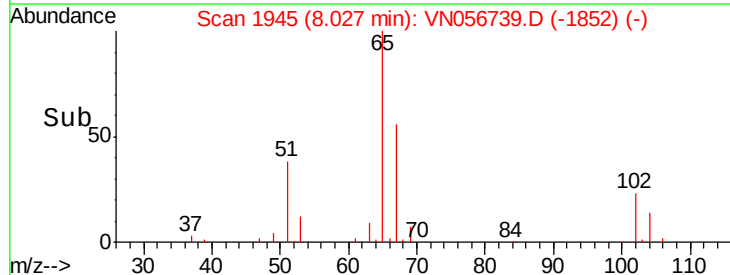
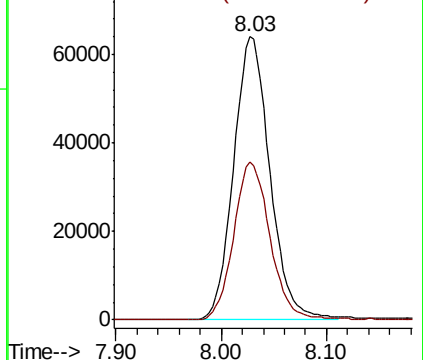
65 100

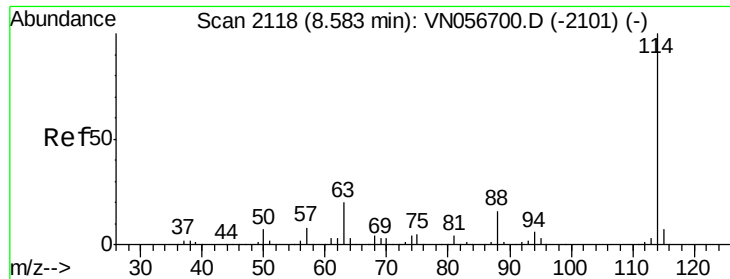
67 55.9 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

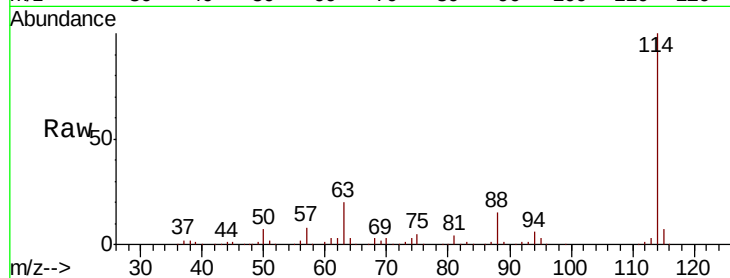




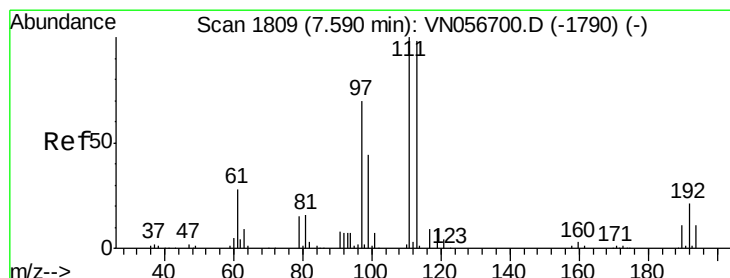
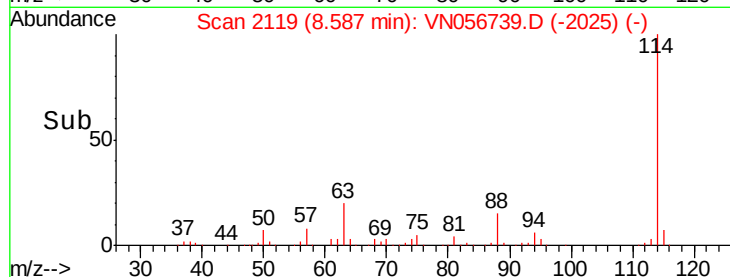
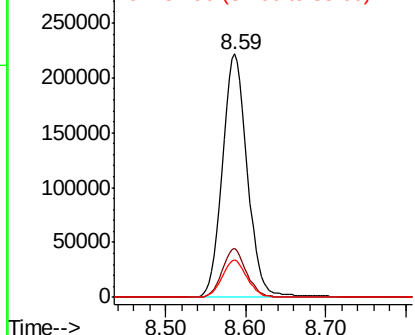
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056739.D
Acq: 16 Jul 2019 2:30

Instrument :
MSVOA_N
ClientSampleId :
KY0300F006-SW-190712

Tot Ion:114 Resp: 475211
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.4
88 15.3 0.0 31.2

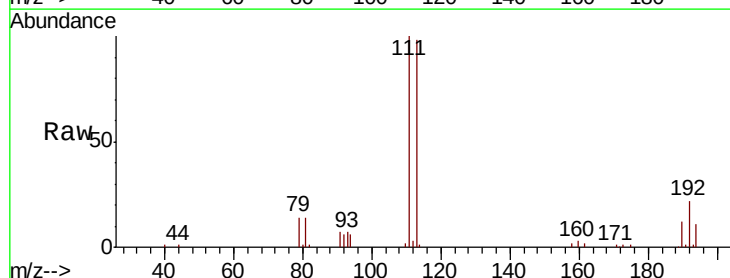


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

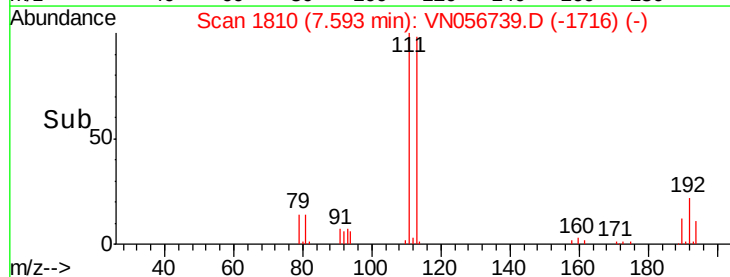
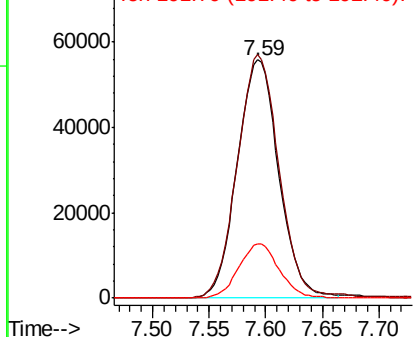


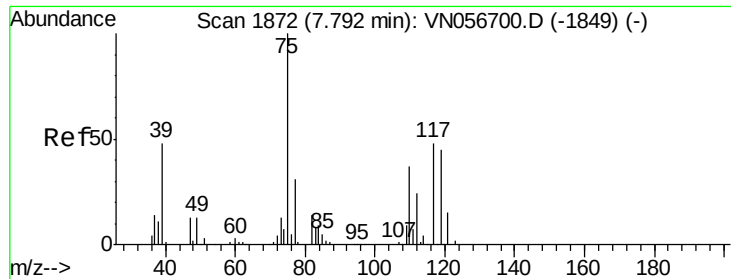
#35
Dibromofluoromethane
Concen: 48.275 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN056739.D
Acq: 16 Jul 2019 2:30

Tgt Ion:113 Resp: 142764
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 22.2 17.5 26.3



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: 3.964 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN056739.D

Acq: 16 Jul 2019 2:30

Instrument :

MSVOA_N

ClientSampleId :

KY0300F006-SW-190712

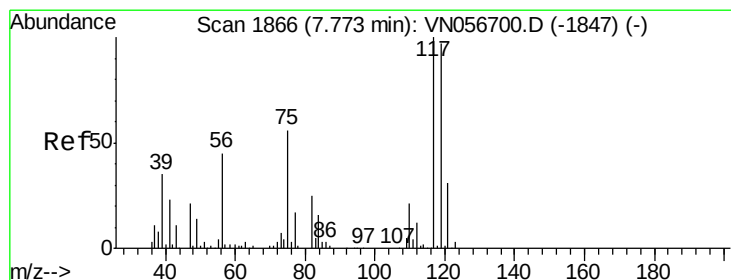
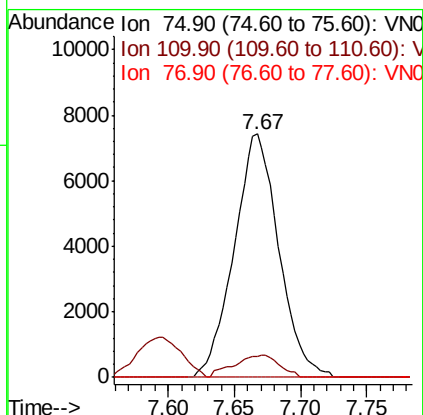
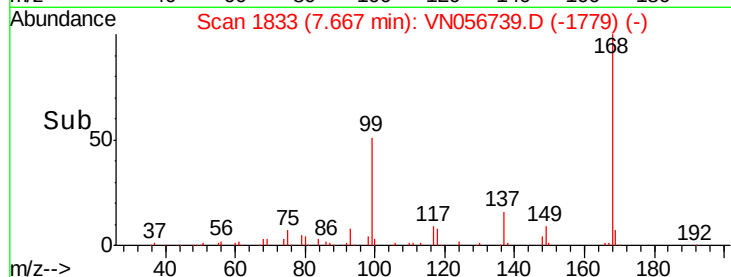
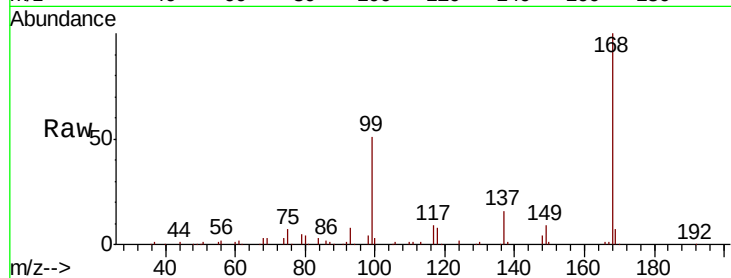
Tot Ion: 75 Resp: 17431

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.4#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.651 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056739.D

Acq: 16 Jul 2019 2:30

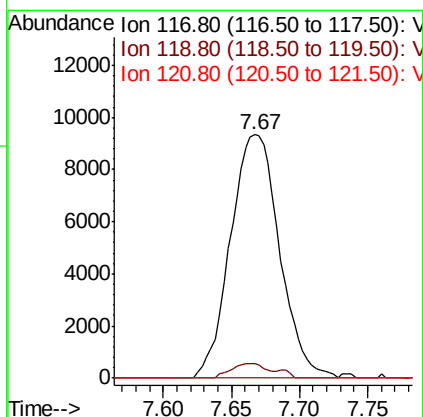
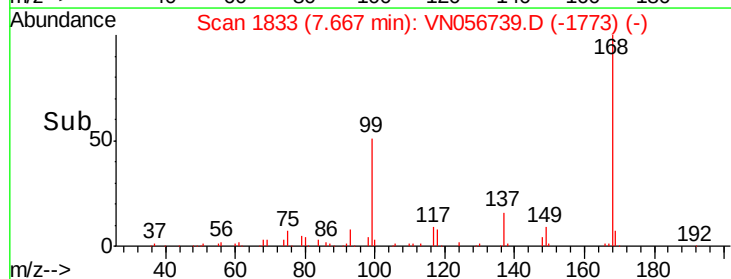
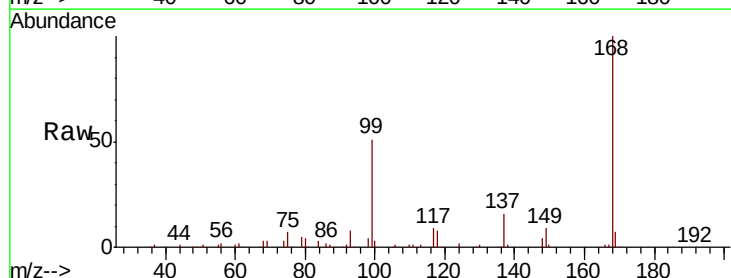
Tgt Ion: 117 Resp: 23303

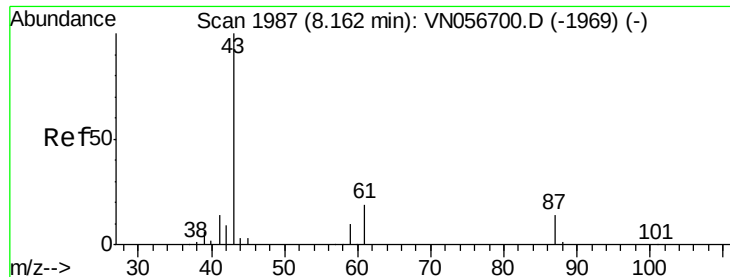
Ion Ratio Lower Upper

117 100

119 5.9 77.5 116.3#

121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 8.821 ug/l

RT: 8.32 min Scan# 2036

Delta R.T. 0.16 min

Lab File: VN056739.D

Acq: 16 Jul 2019 2:30

Instrument :

MSVOA_N

ClientSampleId :

KY0300F006-SW-190712

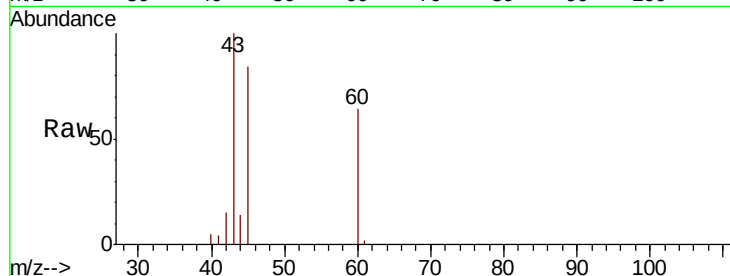
Tot Ion: 43 Resp: 60101

Ion Ratio Lower Upper

43 100

61 0.7 22.3 33.5#

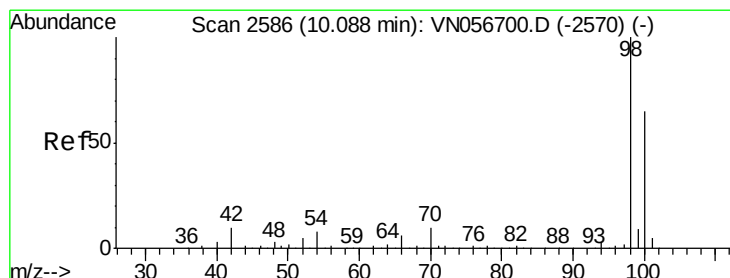
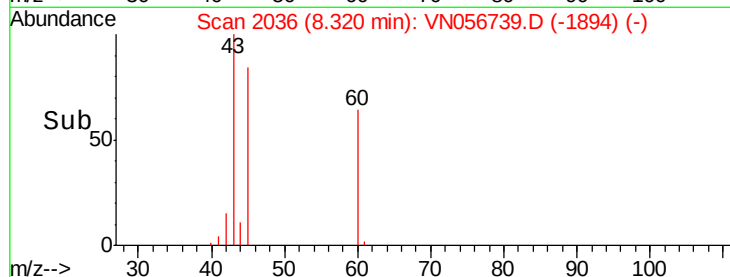
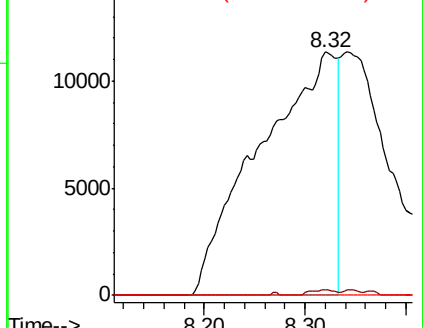
87 0.0 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.645 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056739.D

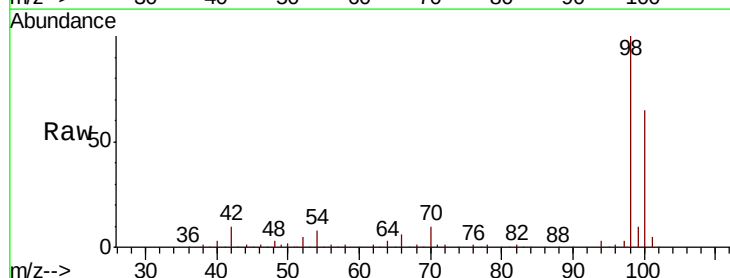
Acq: 16 Jul 2019 2:30

Tgt Ion: 98 Resp: 589886

Ion Ratio Lower Upper

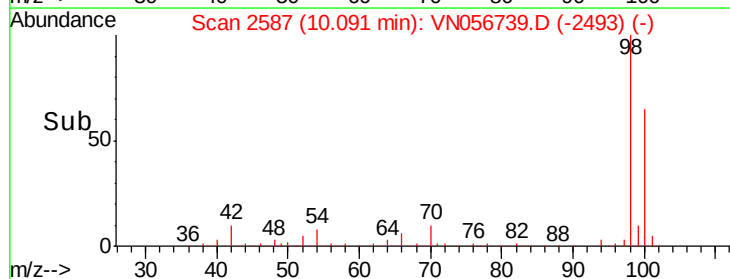
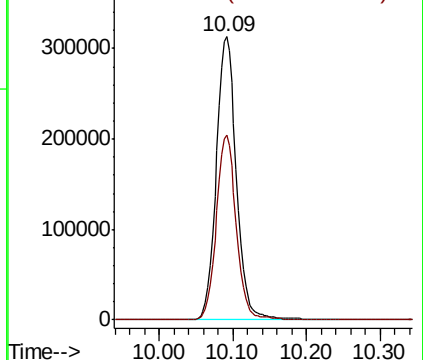
98 100

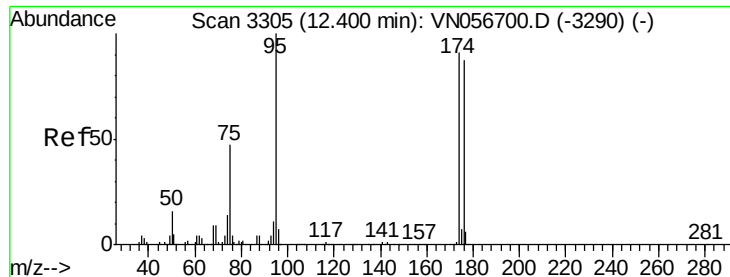
100 64.4 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

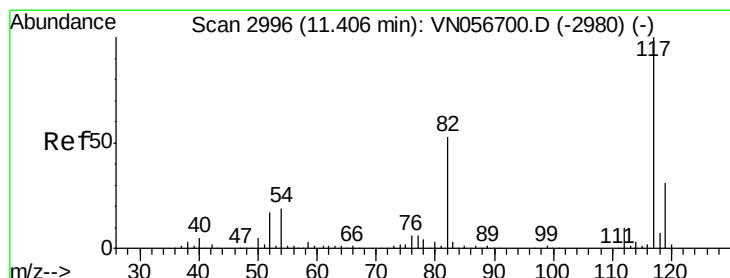
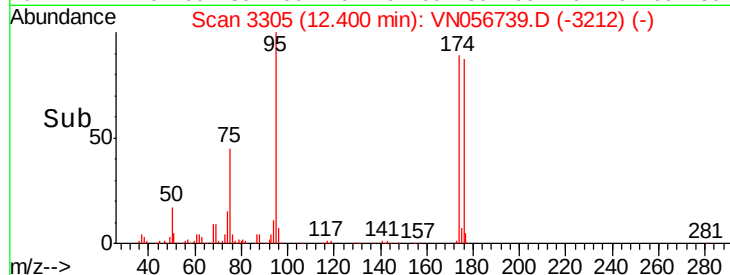
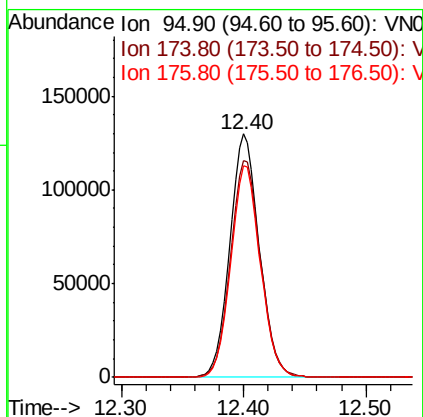
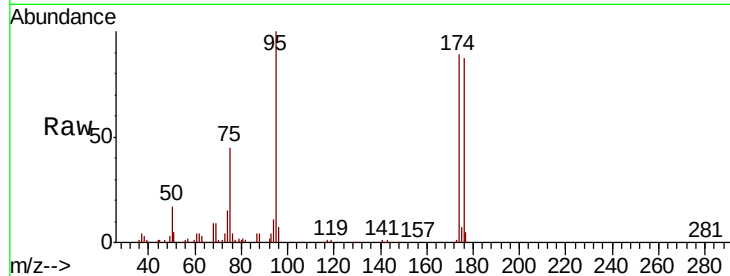




#62
4-Bromofluorobenzene
Concen: 56.641 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056739.D
Acq: 16 Jul 2019 2:30

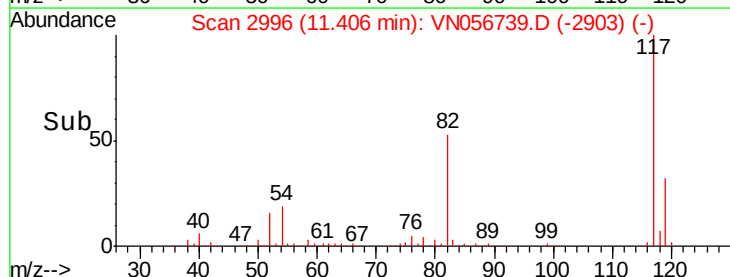
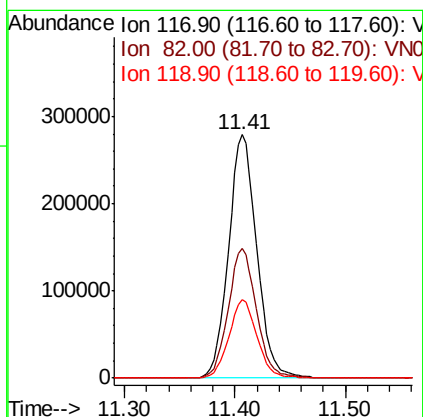
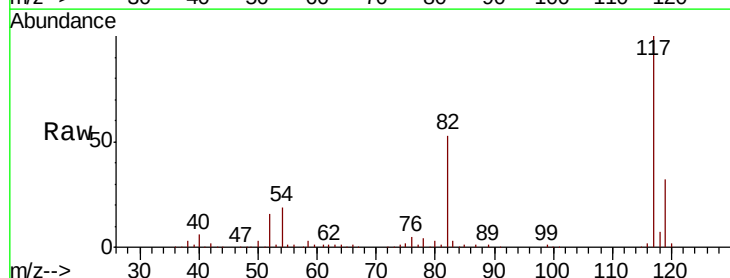
Instrument :
MSVOA_N
ClientSampleId :
KY030OF006-SW-190712

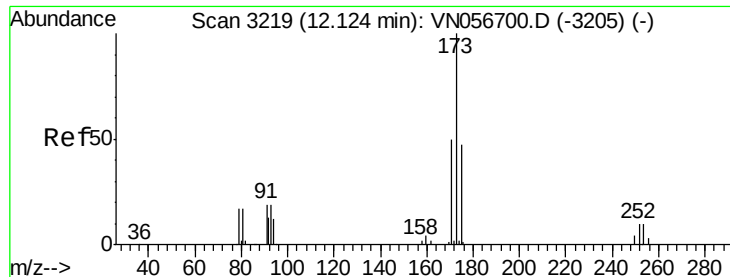
Tot Ion: 95 Resp: 218172
Ion Ratio Lower Upper
95 100
174 91.2 0.0 180.0
176 87.1 0.0 173.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056739.D
Acq: 16 Jul 2019 2:30

Tgt Ion: 117 Resp: 495010
Ion Ratio Lower Upper
117 100
82 53.1 42.2 63.2
119 32.2 25.2 37.8

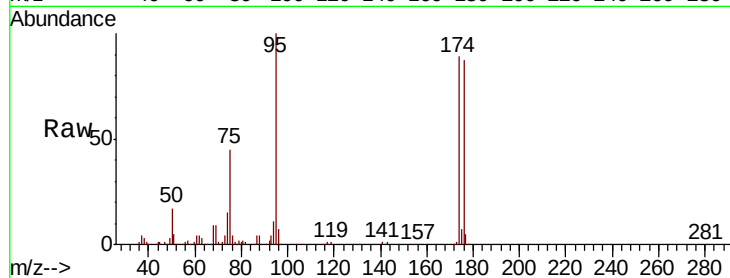




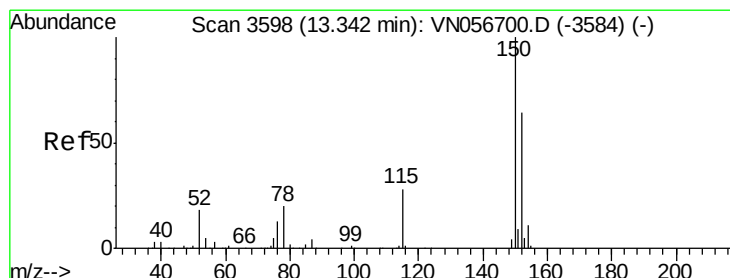
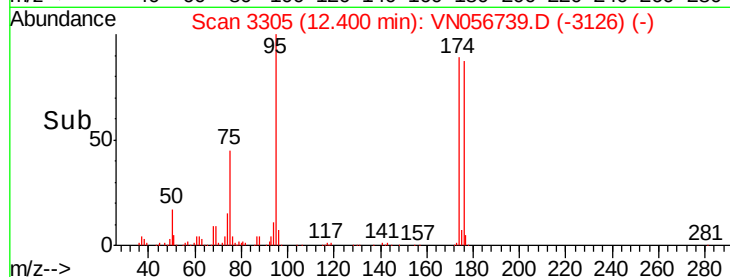
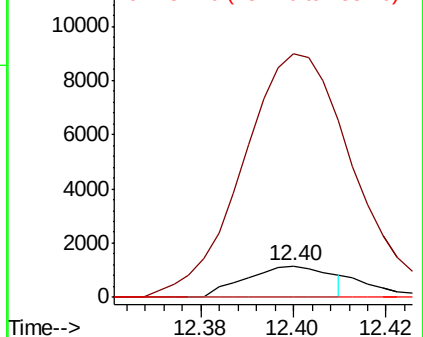
#71
Bromoform
Concen: 0.518 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN056739.D
Acq: 16 Jul 2019 2:30

Instrument :
MSVOA_N
ClientSampleId :
KY0300F006-SW-190712

Tot Ion:173 Resp: 1469
Ion Ratio Lower Upper
173 100
175 826.4 23.8 71.4#
254 0.0 0.0 0.0

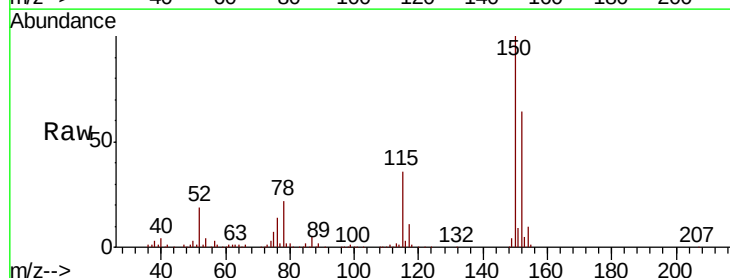


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

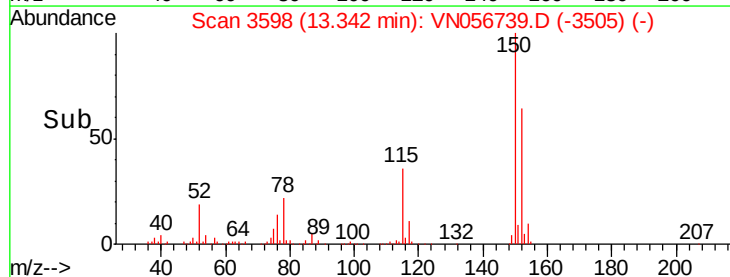
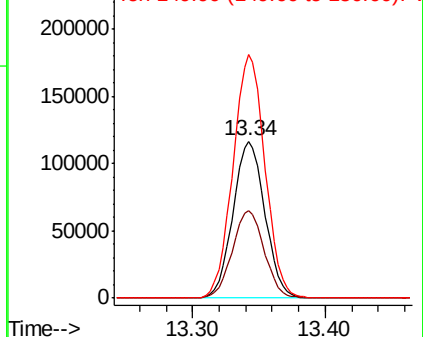


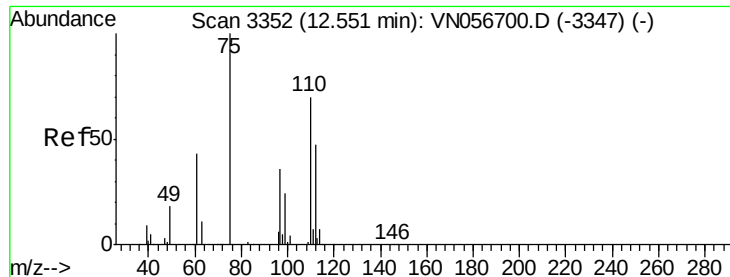
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056739.D
Acq: 16 Jul 2019 2:30

Tgt Ion:152 Resp: 194317
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 155.9 0.0 345.8



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: 23.856 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056739.D

Acq: 16 Jul 2019 2:30

Instrument :

MSVOA_N

ClientSampleId :

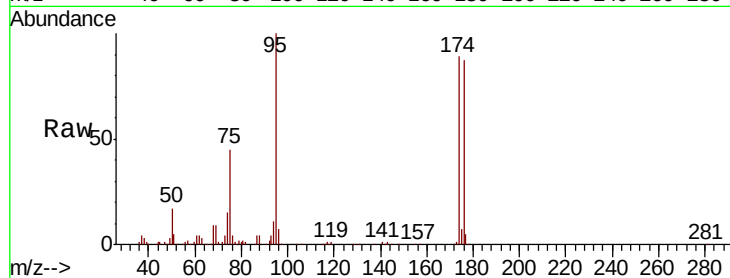
KY0300F006-SW-190712

Tot Ion: 75 Resp: 101389

Ion Ratio Lower Upper

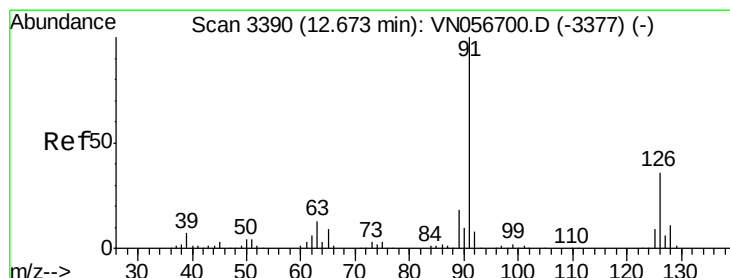
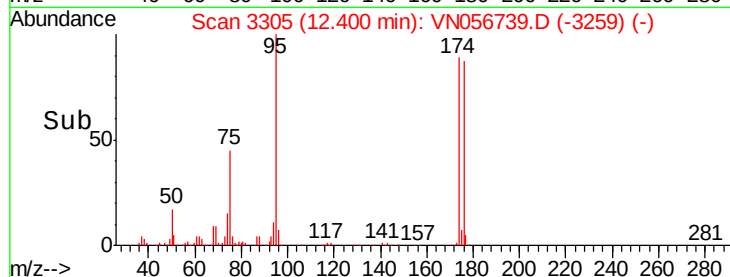
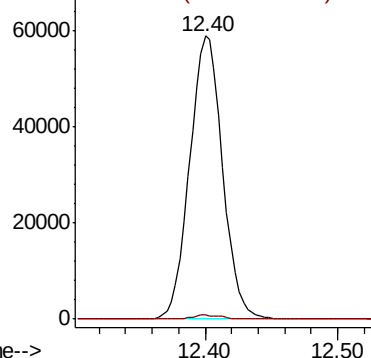
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3363

Delta R.T. -0.09 min

Lab File: VN056739.D

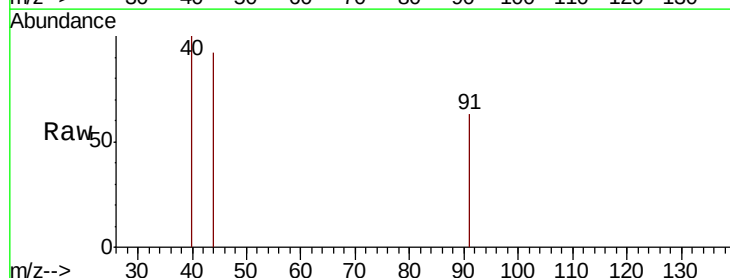
Acq: 16 Jul 2019 2:30

Tgt Ion: 91 Resp: 284

Ion Ratio Lower Upper

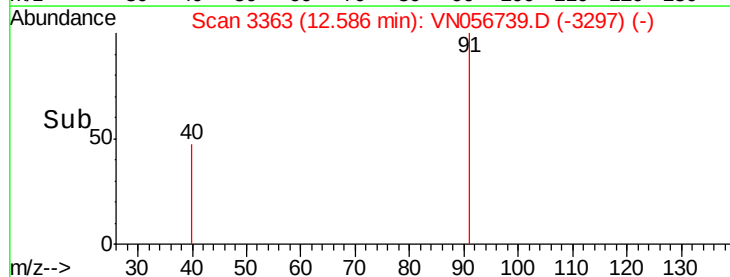
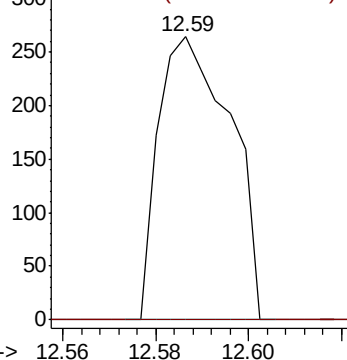
91 100

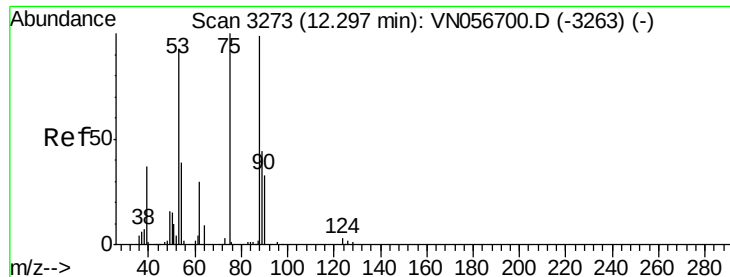
126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 73.676 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056739.D

Acq: 16 Jul 2019 2:30

Instrument :

MSVOA_N

ClientSampleId :

KY0300F006-SW-190712

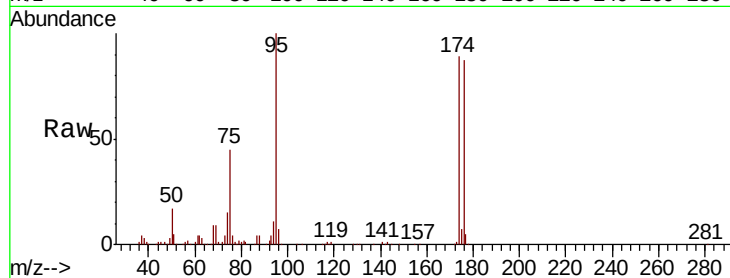
Tot Ion: 75 Resp: 101389

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

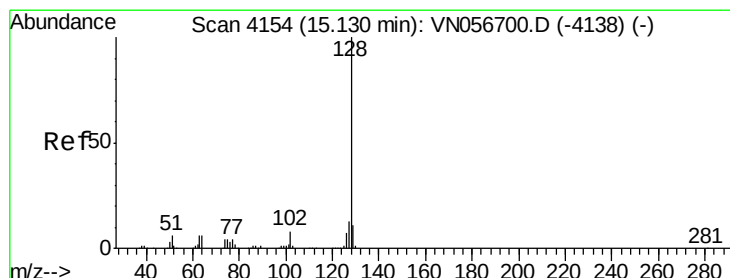
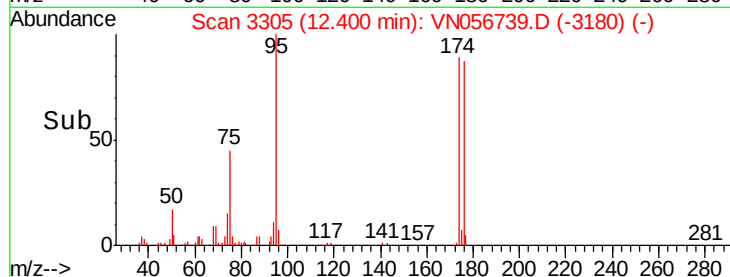
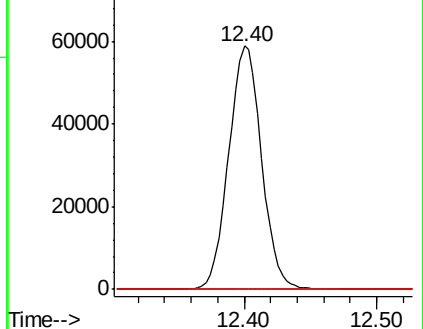
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN056739.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN056739.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN056739.D (-3180) (-)



#95

Naphthalene

Concen: 4.565 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056739.D

Acq: 16 Jul 2019 2:30

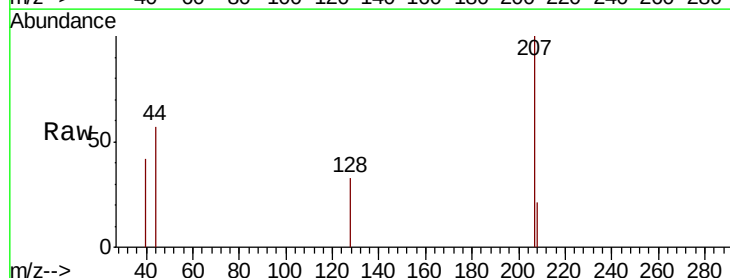
Tgt Ion: 128 Resp: 455

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

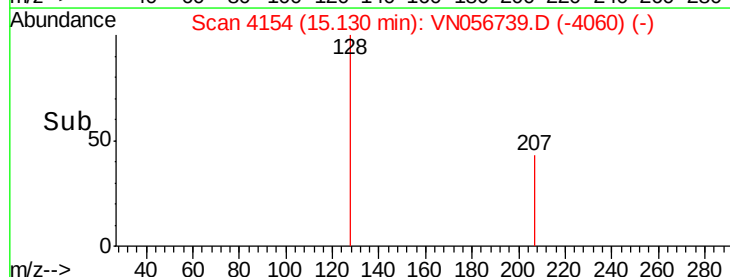
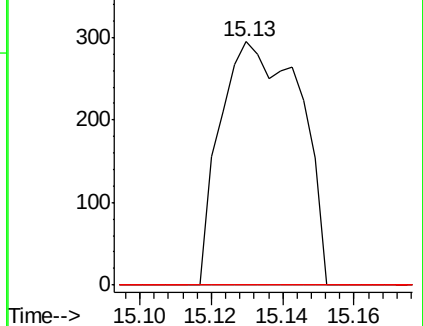
129 0.0 8.7 13.1#

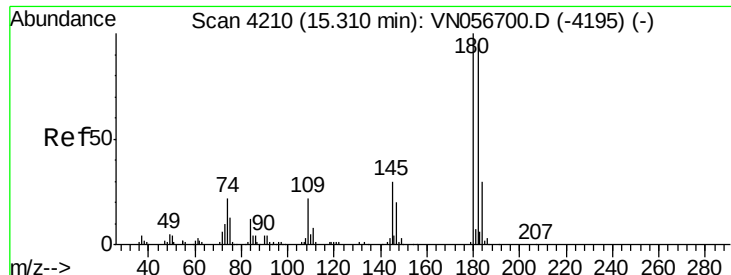


Abundance Ion 128.00 (127.70 to 128.70): VN056739.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN056739.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN056739.D (-4060) (-)

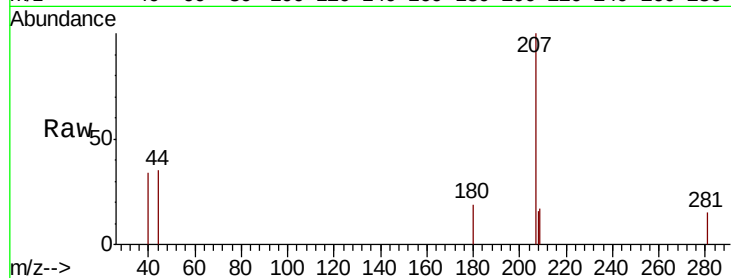




#96
 1,2,3-Trichlorobenzene
 Concen: 3.374 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056739.D
 Acq: 16 Jul 2019 2:30

Instrument :
 MSVOA_N
 ClientSampleId :
 KY030OF006-SW-190712

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.1	141.3#
145	0.0	15.0	45.1#



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

