

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056738.D
 Acq On : 16 Jul 2019 2:07
 Operator : JC/SP
 Sample : K3814-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY030LC026-SW-190712

Quant Time: Jul 16 04:29:06 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	267266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	477528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	197955	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	157383	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	7.59	113	145593	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
50) Toluene-d8	10.09	98	595538	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	12.40	95	220919	57.08	ug/l	0.00
Spiked Amount			Recovery	=	114.16%	

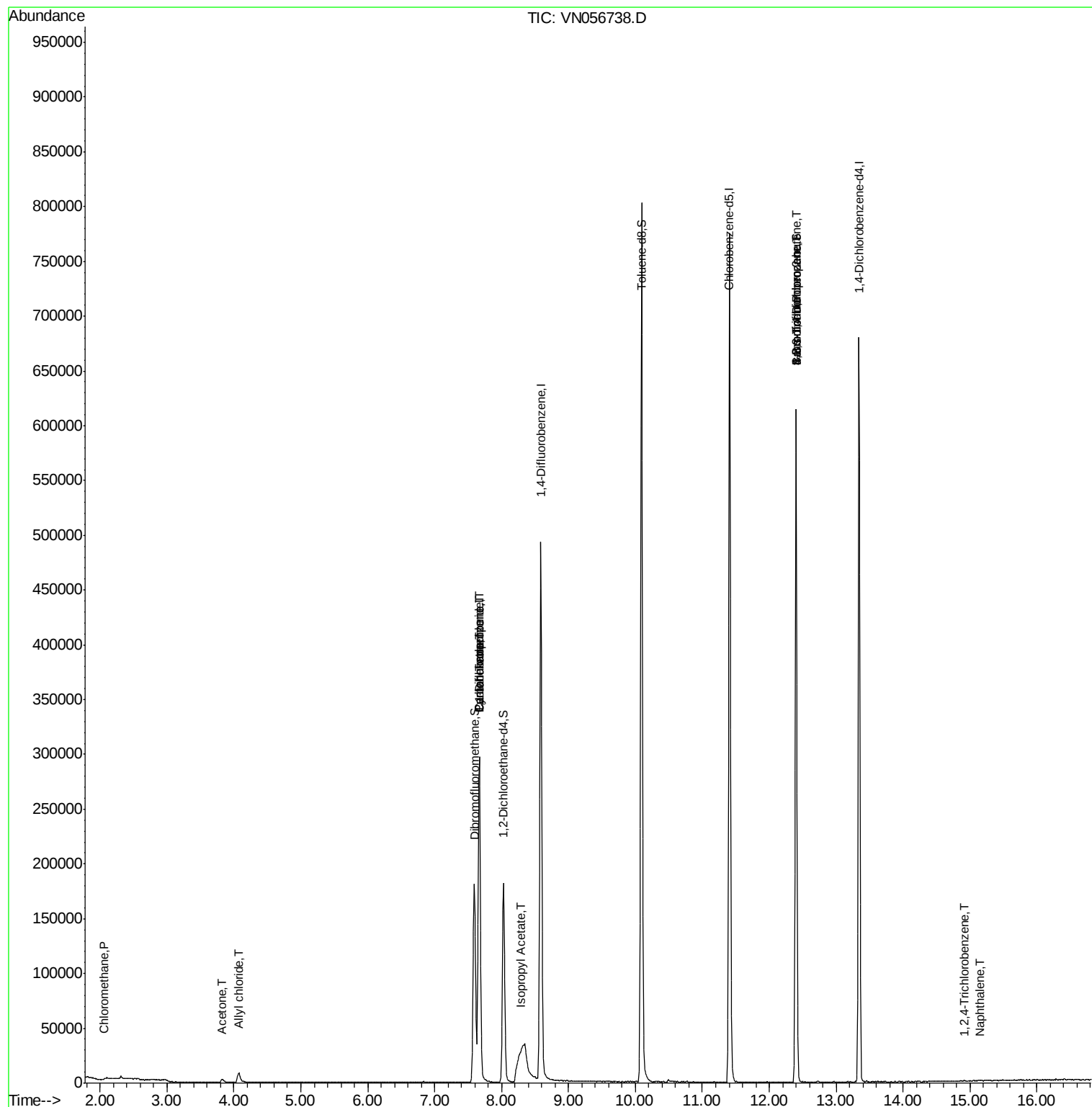
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	828	0.245	ug/l #	42
14) Allyl chloride	4.07	41	1218	0.280	ug/l #	76
16) Acetone	3.82	43	6122	4.494	ug/l	92
18) Methyl Acetate	4.34	43	267	Below Cal	#	52
31) Cyclohexane	7.67	56	4188	0.886	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	17462	3.952	ug/l #	49
38) Carbon Tetrachloride	7.67	117	23094	5.573	ug/l #	15
43) Isopropyl Acetate	8.27	43	31498	4.600	ug/l #	54
71) Bromoform	12.40	173	1700	0.600	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	102507	23.676	ug/l #	100
79) 2-Chlorotoluene	12.68	91	63	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	102507	73.119	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	173	3.733	ug/l #	85
95) Naphthalene	15.14	128	613	4.578	ug/l #	69

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 16 01:25:25 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056738.D

Acq: 16 Jul 2019 2:07

Instrument :

MSVOA_N

ClientSampleId :

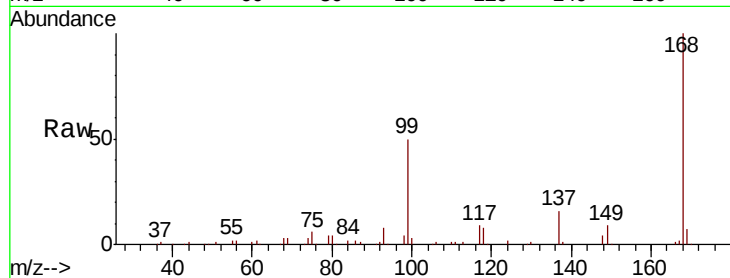
KY030LC026-SW-190712

Tot Ion:168 Resp: 267266

Ion Ratio Lower Upper

168 100

99 50.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056738.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056738.D (-1739) (-)

7.67

120000

100000

80000

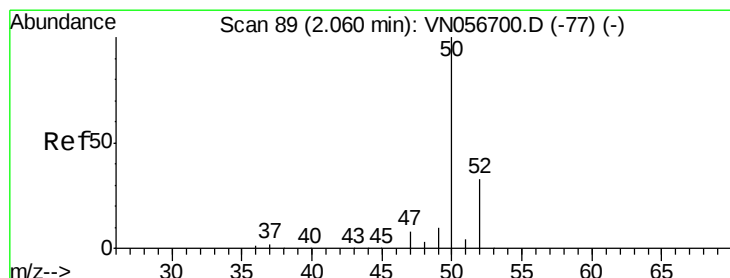
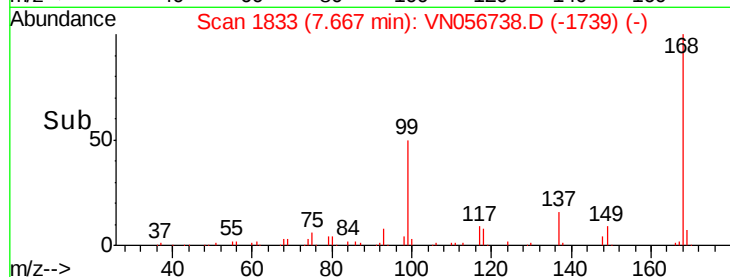
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.245 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN056738.D

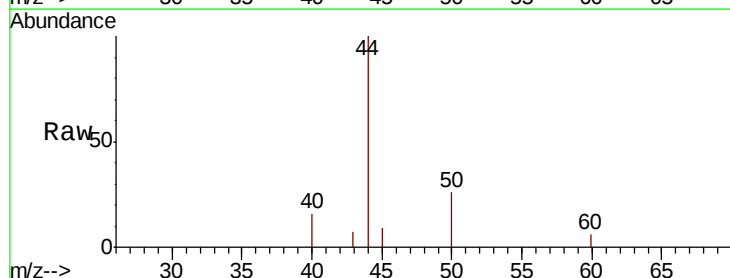
Acq: 16 Jul 2019 2:07

Tgt Ion: 50 Resp: 828

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VN056738.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN056738.D (-1) (-)

2.06

800

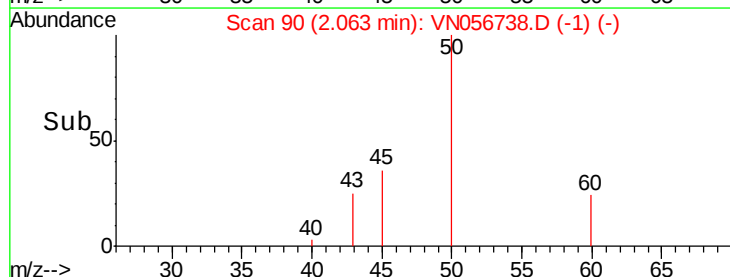
600

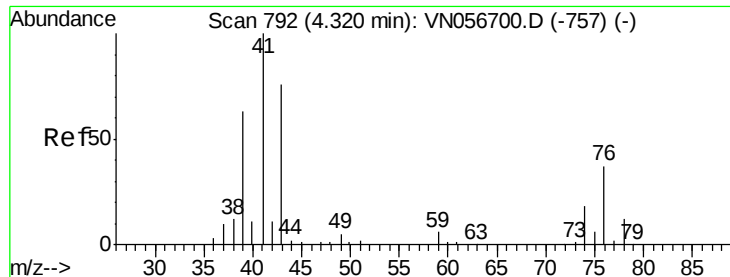
400

200

0

Time-->

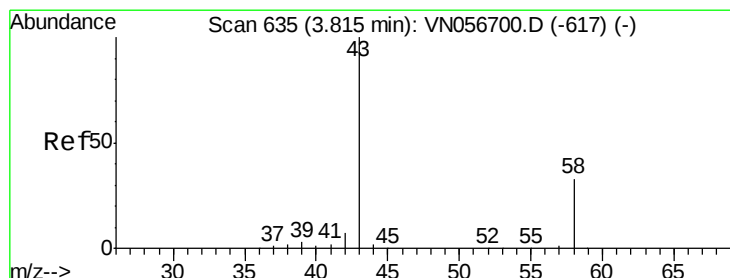
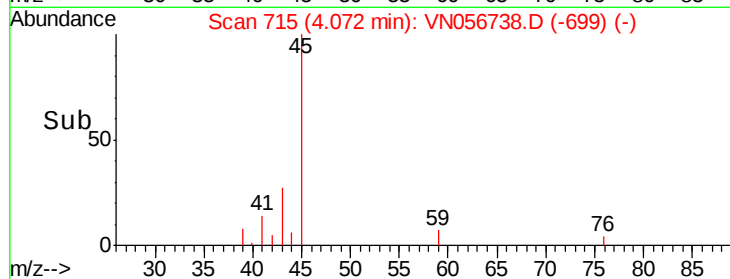
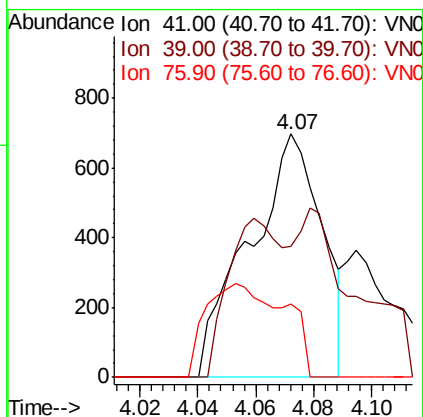
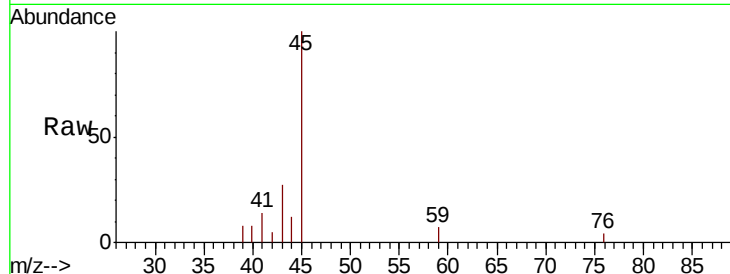




#14
Allvl chloride
Concen: 0.280 ug/l
RT: 4.07 min Scan# 715
Delta R.T. -0.25 min
Lab File: VN056738.D
Acq: 16 Jul 2019 2:07

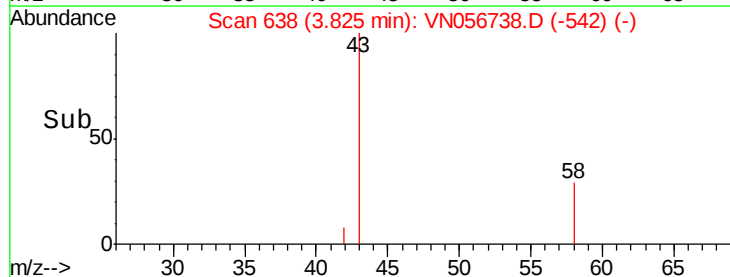
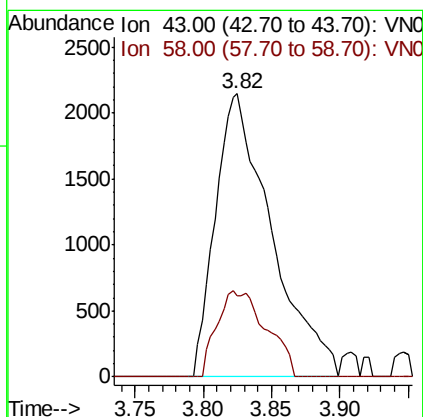
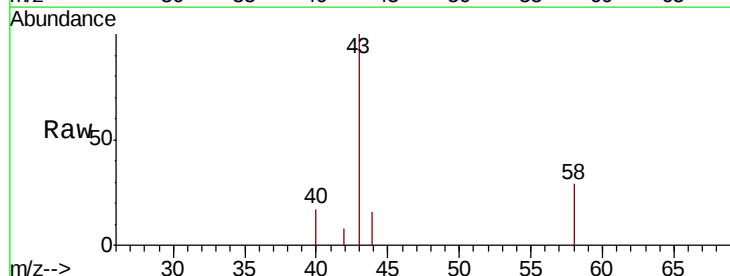
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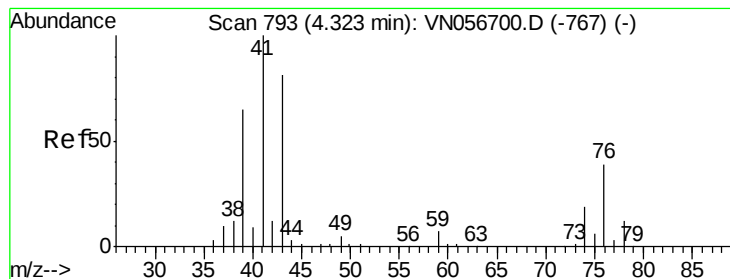
Tot Ion: 41 Resp: 1218
Ion Ratio Lower Upper
41 100
39 55.3 46.9 70.3
76 0.0 26.5 39.7#



#16
Acetone
Concen: 4.494 ug/l
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN056738.D
Acq: 16 Jul 2019 2:07

Tgt Ion: 43 Resp: 6122
Ion Ratio Lower Upper
43 100
58 28.8 26.7 40.1





#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.02 min

Lab File: VN056738.D

Acq: 16 Jul 2019 2:07

Instrument :

MSVOA_N

ClientSampleId :

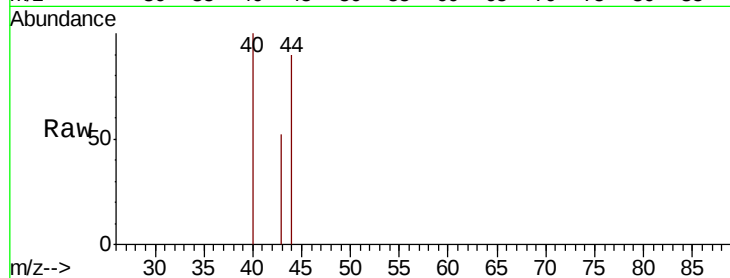
KY030LC026-SW-190712

Tot Ion: 43 Resp: 267

Ion Ratio Lower Upper

43 100

74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

250

200

150

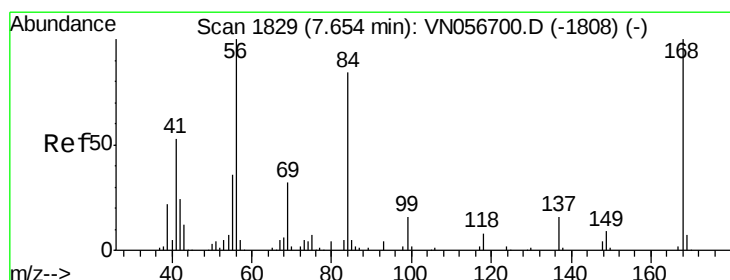
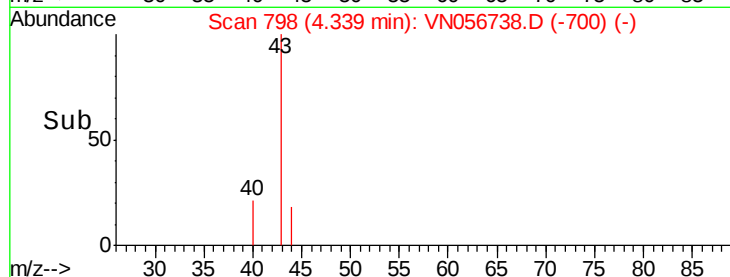
100

50

0

4.32 4.34 4.36

Time-->



#31

Cyclohexane

Concen: 0.886 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN056738.D

Acq: 16 Jul 2019 2:07

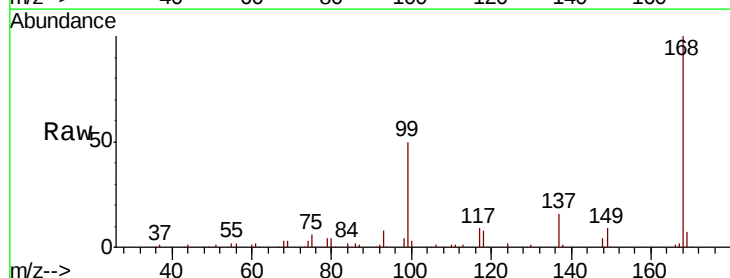
Tgt Ion: 56 Resp: 4188

Ion Ratio Lower Upper

56 100

69 180.0 25.8 38.8#

84 155.7 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

4000

3000

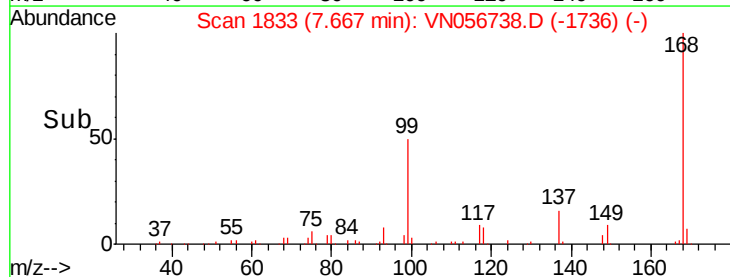
2000

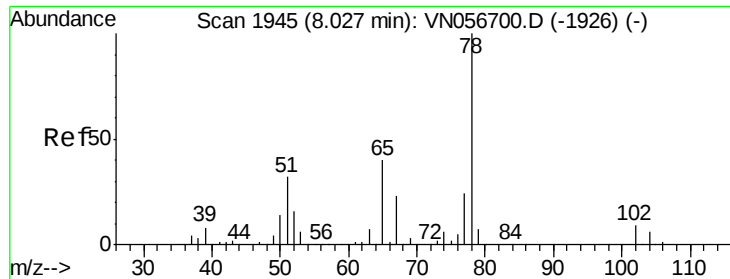
1000

0

7.60 7.65 7.70

Time-->

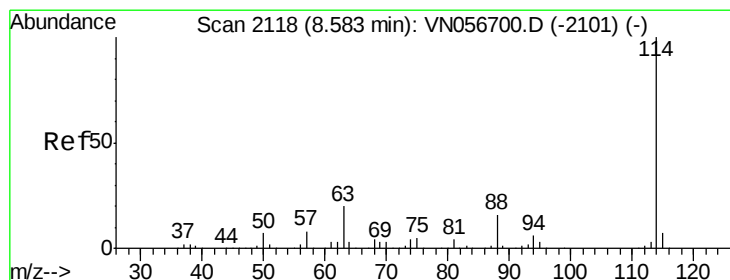
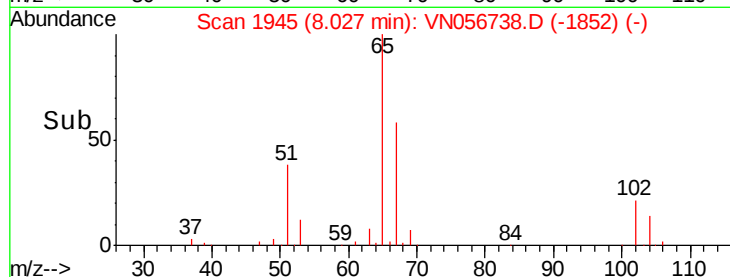
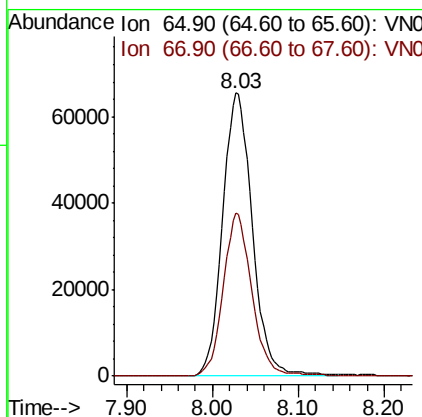
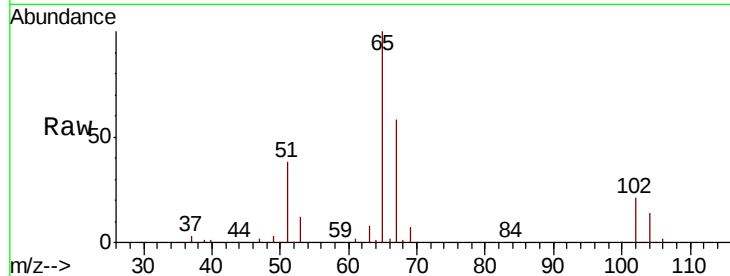




#33
 1,2-Dichloroethane-d4
 Concen: 53.236 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056738.D
 Acq: 16 Jul 2019 2:07

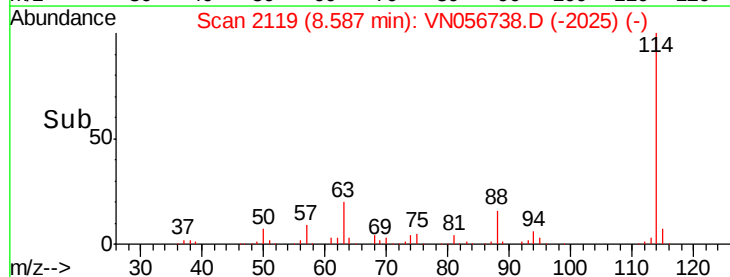
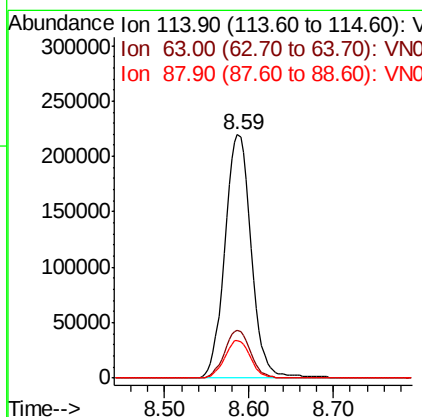
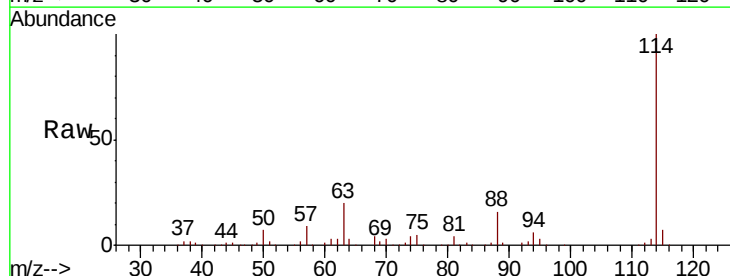
Instrument :
 MSVOA_N
 ClientSampleId :
 KY030LC026-SW-190712

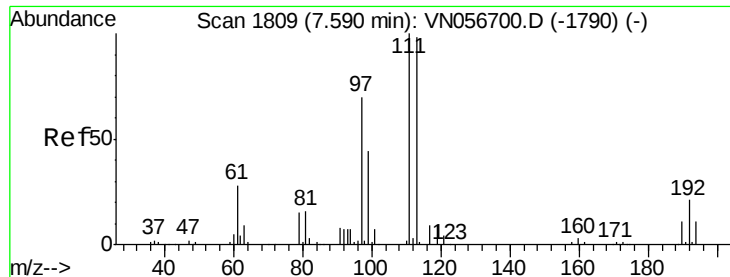
Tot Ion: 65 Resp: 157383
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056738.D
 Acq: 16 Jul 2019 2:07

Tgt Ion: 114 Resp: 477528
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.4
 88 15.6 0.0 31.2

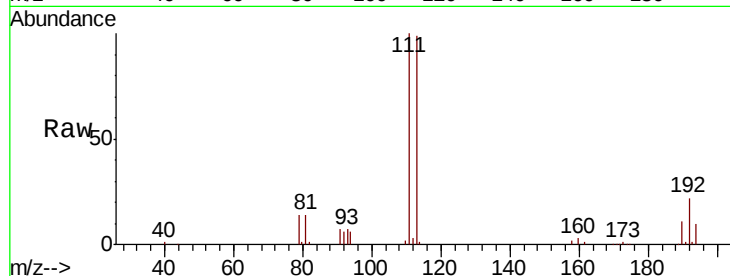




#35
Dibromofluoromethane
Concen: 48.992 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN056738.D
Acq: 16 Jul 2019 2:07

Instrument :
MSVOA_N
ClientSampleId :
KY030LC026-SW-190712

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.8	122.6
192	22.0	17.5	26.3

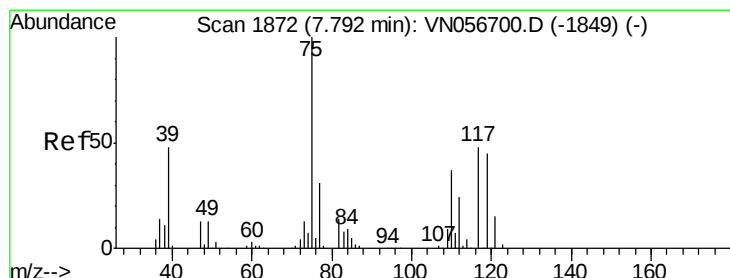
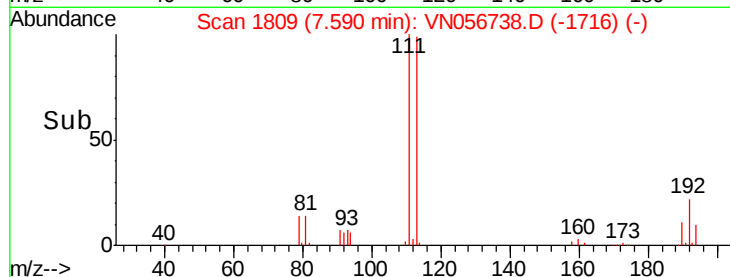
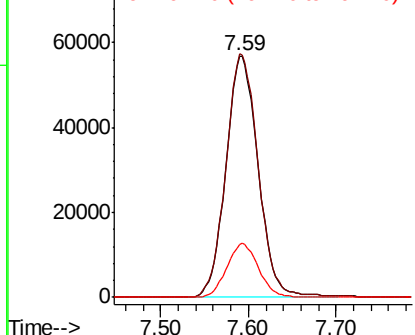


Abundance

Ion 112.80 (112.50 to 113.50): V

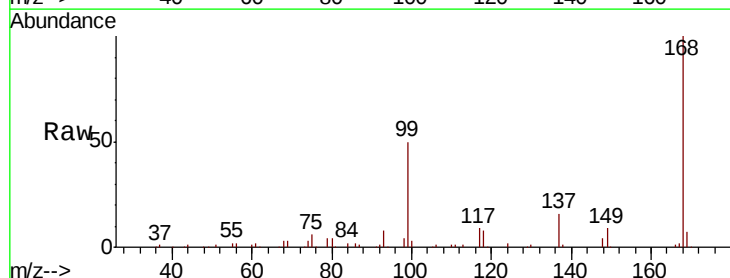
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 3.952 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN056738.D
Acq: 16 Jul 2019 2:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.4	55.4#
77	0.0	24.6	36.8#

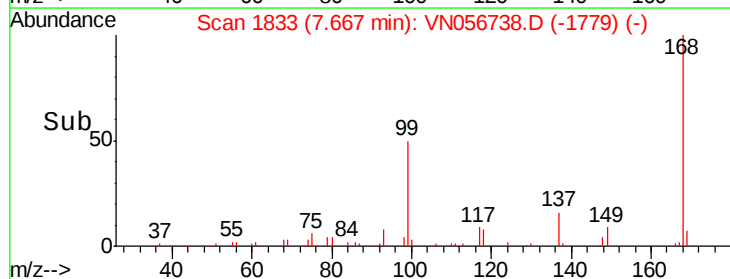
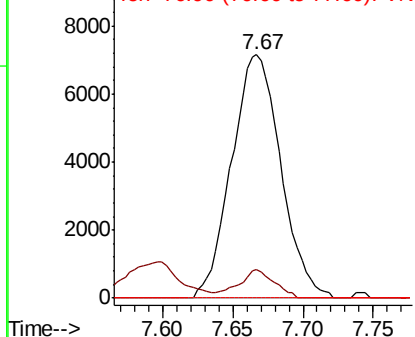


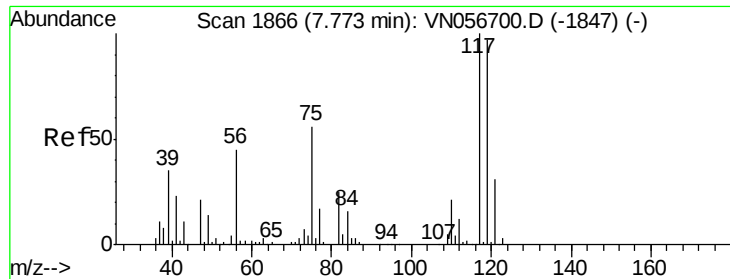
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

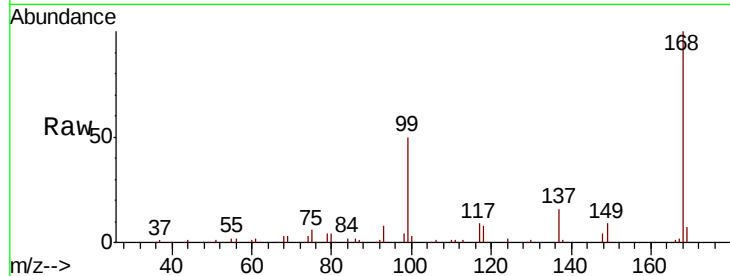




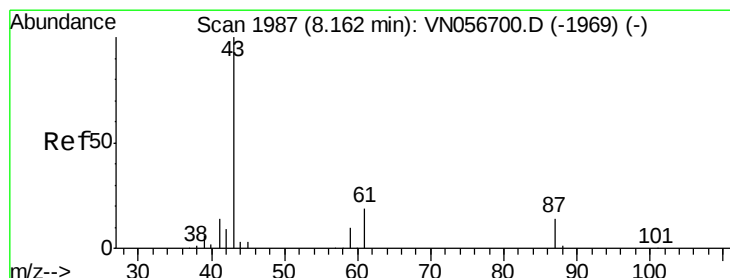
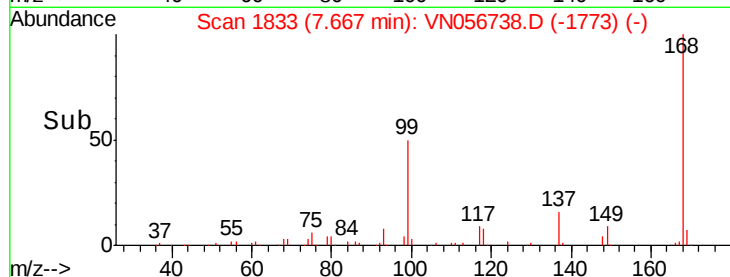
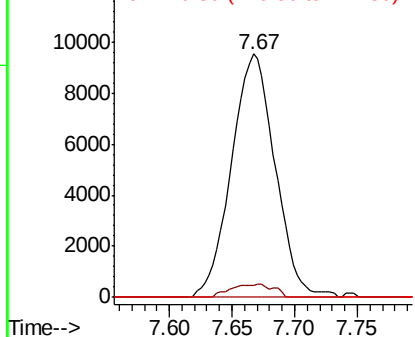
#38
Carbon Tetrachloride
Concen: 5.573 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN056738.D
Acq: 16 Jul 2019 2:07

Instrument :
MSVOA_N
ClientSampleId :
KY030LC026-SW-190712

Tot Ion:117 Resp: 23094
Ion Ratio Lower Upper
117 100
119 4.7 77.5 116.3#
121 0.0 24.7 37.1#

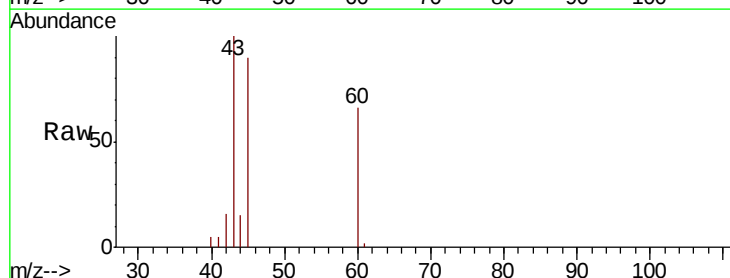


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

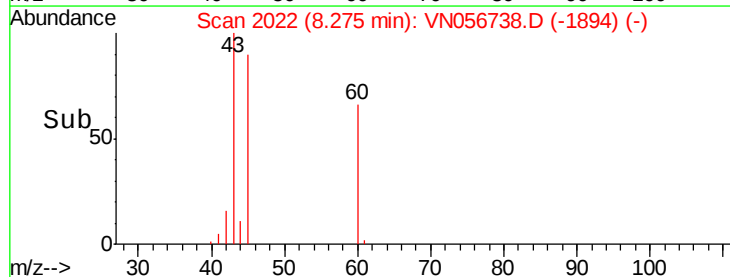
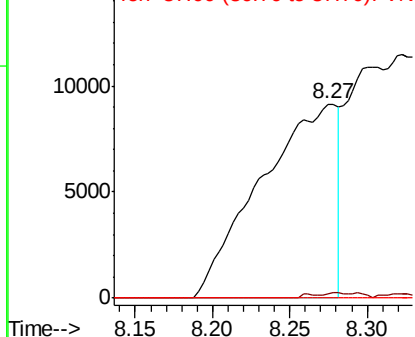


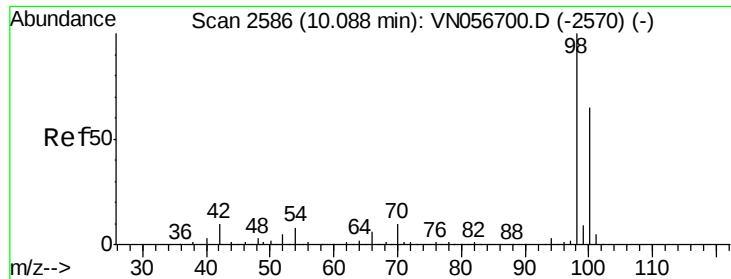
#43
Isopropyl Acetate
Concen: 4.600 ug/l
RT: 8.27 min Scan# 2022
Delta R.T. 0.11 min
Lab File: VN056738.D
Acq: 16 Jul 2019 2:07

Tgt Ion: 43 Resp: 31498
Ion Ratio Lower Upper
43 100
61 0.4 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: 51.887 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056738.D

Acq: 16 Jul 2019 2:07

Instrument :

MSVOA_N

ClientSampleId :

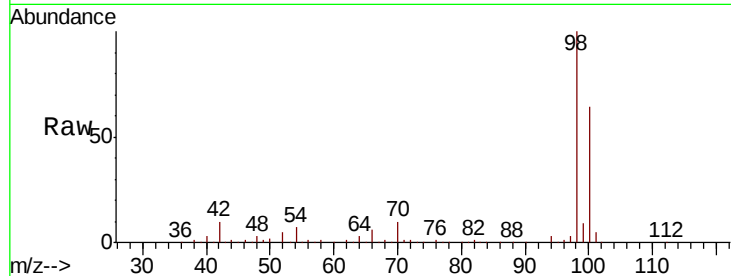
KY030LC026-SW-190712

Tot Ion: 98 Resp: 595538

Ion Ratio Lower Upper

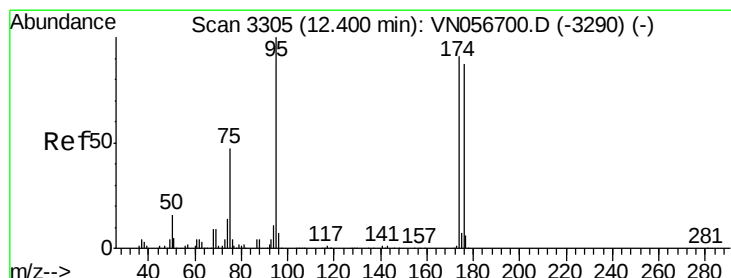
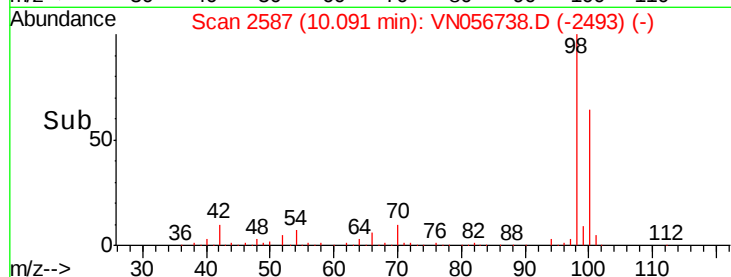
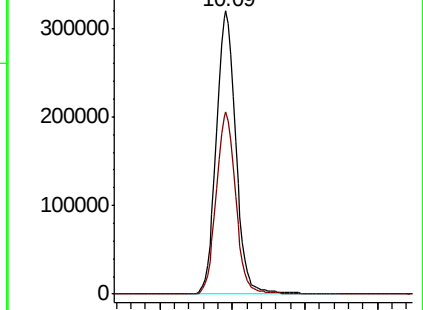
98 100

100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056738.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN056738.D (-2493) (-)



#62

4-Bromofluorobenzene

Concen: 57.076 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056738.D

Acq: 16 Jul 2019 2:07

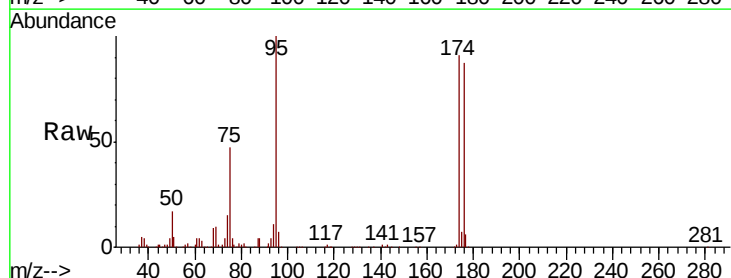
Tgt Ion: 95 Resp: 220919

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.0

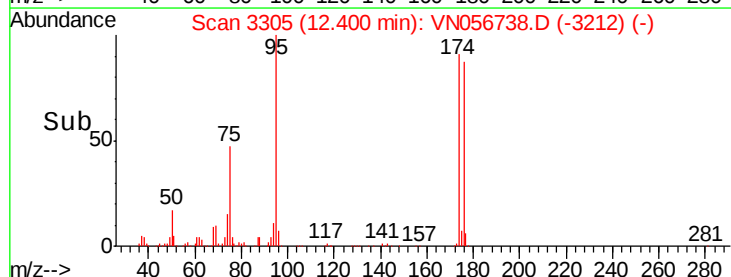
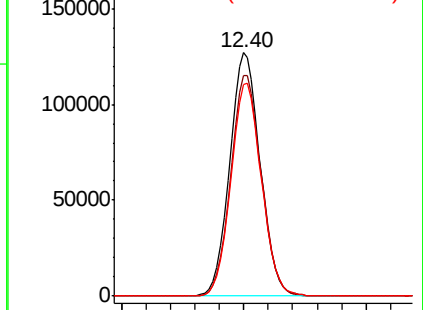
176 87.3 0.0 173.2

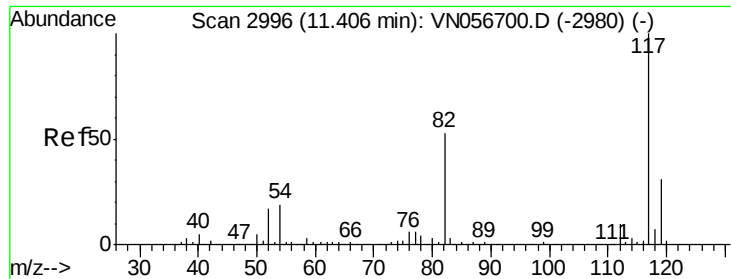


Abundance Ion 94.90 (94.60 to 95.60): VN056738.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN056738.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN056738.D (-3212) (-)

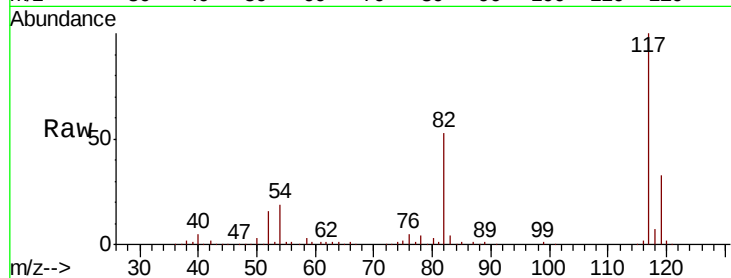




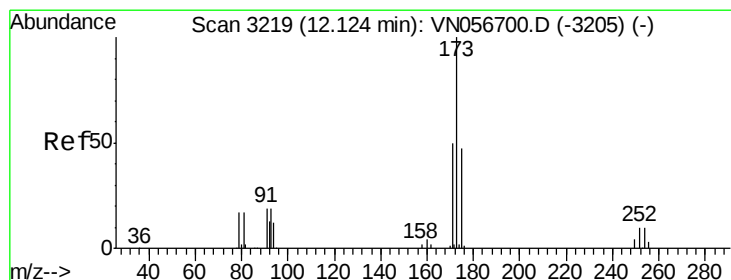
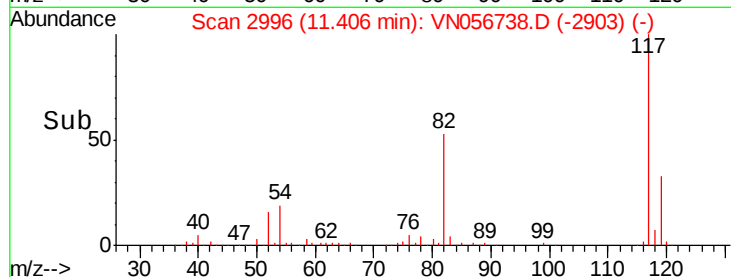
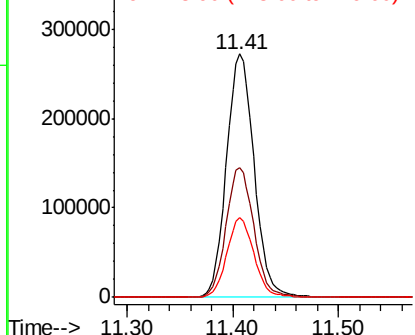
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056738.D
Acq: 16 Jul 2019 2:07

Instrument :
MSVOA_N
ClientSampleId :
KY030LC026-SW-190712

Tot Ion:117 Resp: 494684
Ion Ratio Lower Upper
117 100
82 53.4 42.2 63.2
119 32.6 25.2 37.8

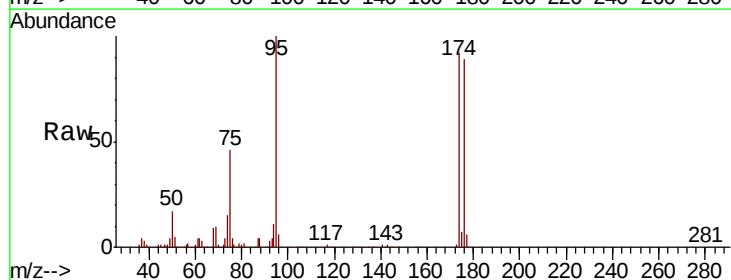


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

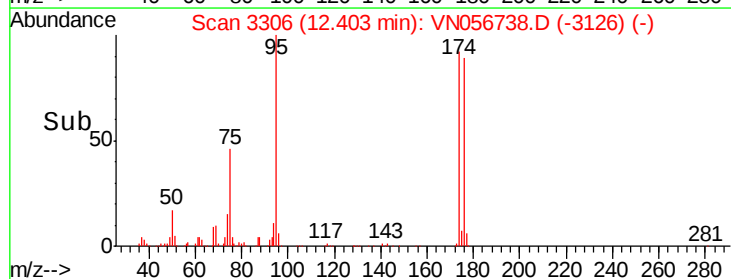
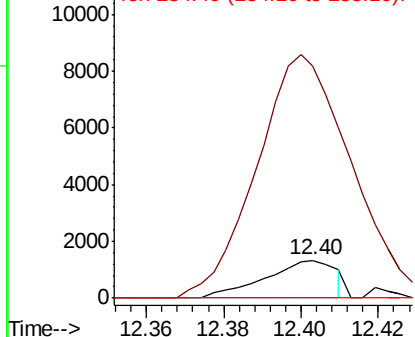


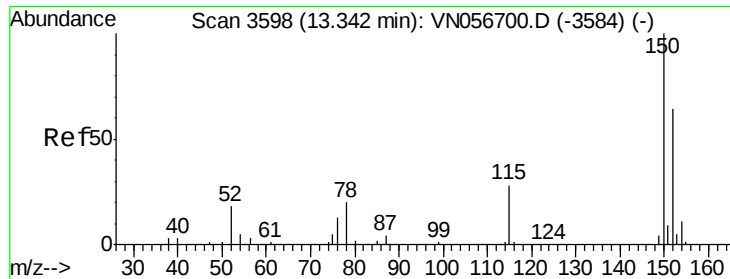
#71
Bromoform
Concen: 0.600 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056738.D
Acq: 16 Jul 2019 2:07

Tgt Ion:173 Resp: 1700
Ion Ratio Lower Upper
173 100
175 688.5 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: VN056738.D

Acq: 16 Jul 2019 2:07

Instrument :

MSVOA_N

ClientSampleId :

KY030LC026-SW-190712

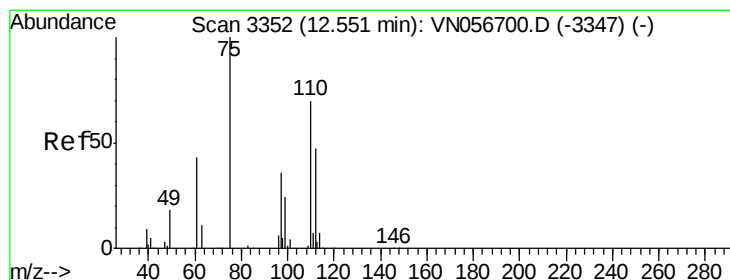
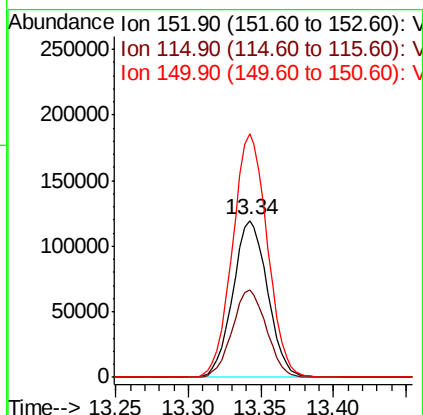
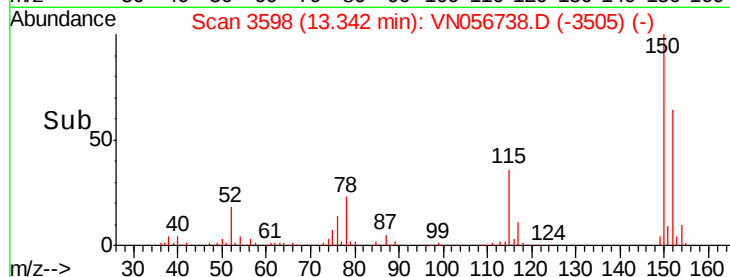
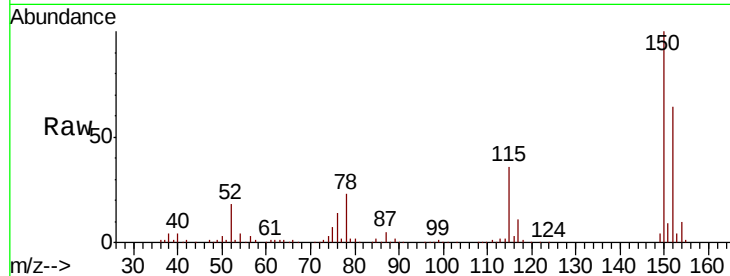
Tot Ion:152 Resp: 197955

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

150 156.1 0.0 345.8



#76

1,2,3-Trichloropropane

Concen: 23.676 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056738.D

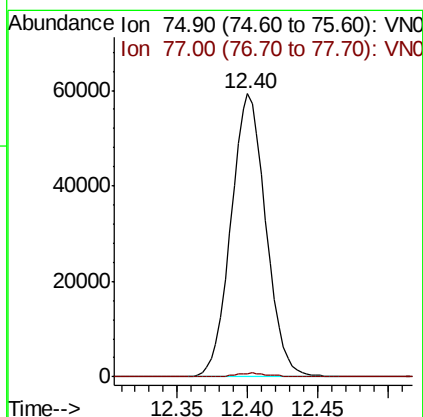
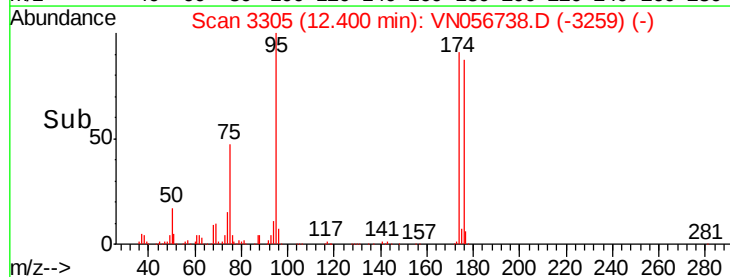
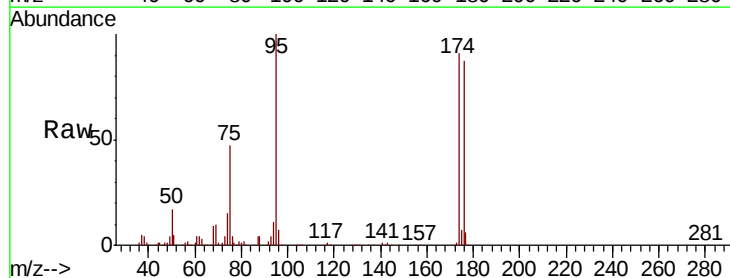
Acq: 16 Jul 2019 2:07

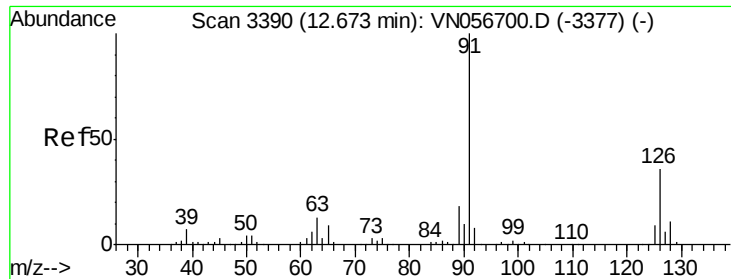
Tgt Ion: 75 Resp: 102507

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN056738.D

Acq: 16 Jul 2019 2:07

Instrument :

MSVOA_N

ClientSampleId :

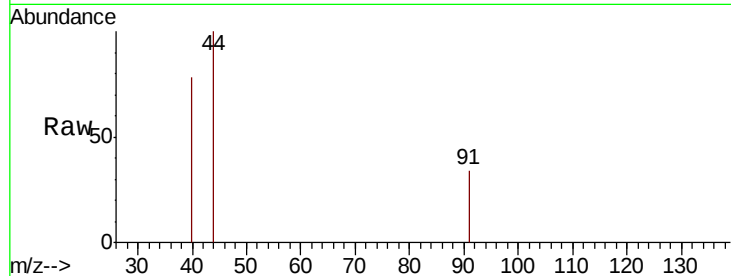
KY030LC026-SW-190712

Tot Ion: 91 Resp: 63

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

12.68

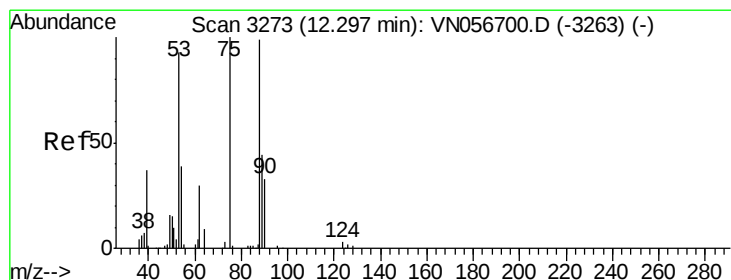
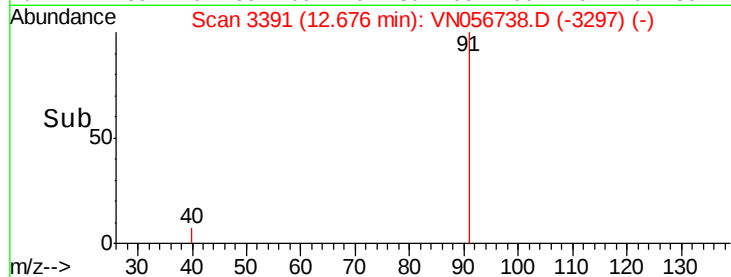
150

100

50

0

Time--> 12.66 12.67 12.68



#81

trans-1,4-Dichloro-2-butene

Concen: 73.119 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056738.D

Acq: 16 Jul 2019 2:07

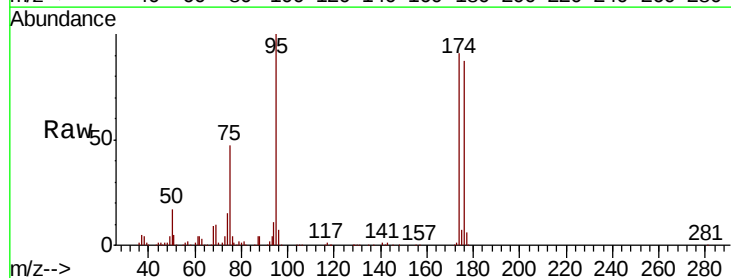
Tgt Ion: 75 Resp: 102507

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

80000

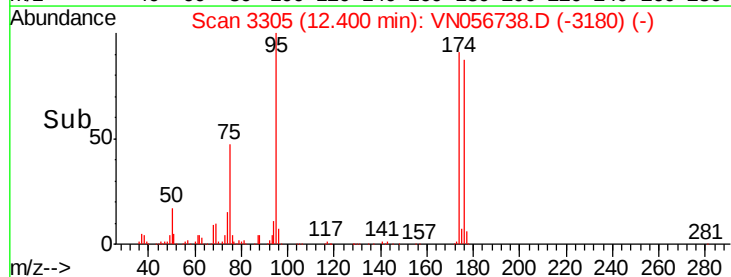
60000

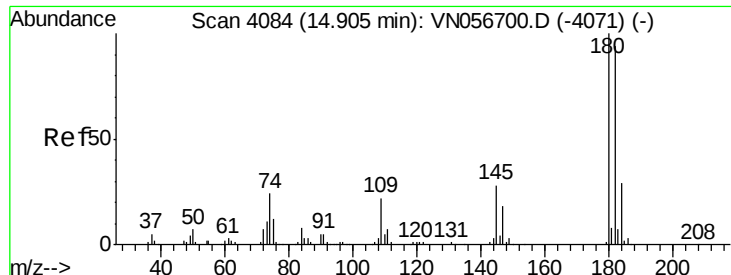
40000

20000

0

Time--> 12.35 12.40 12.45

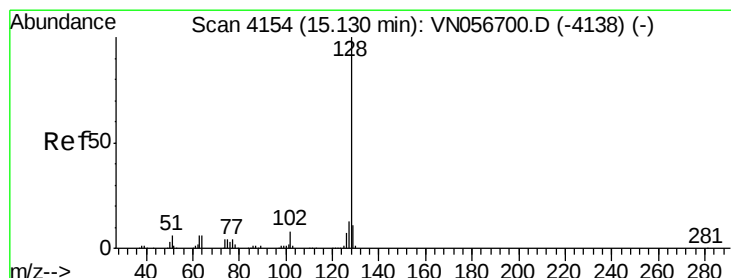
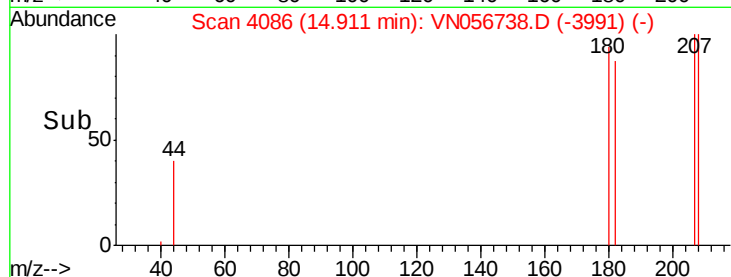
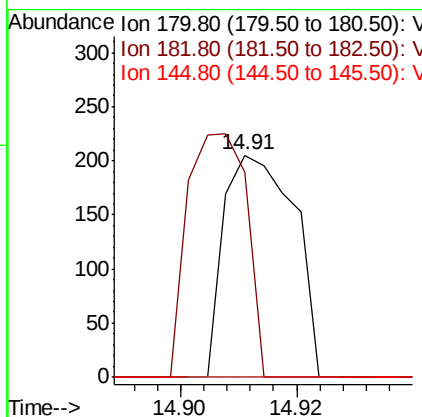
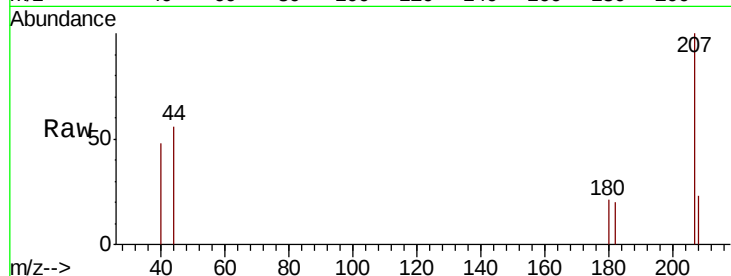




#93
 1,2,4-Trichlorobenzene
 Concen: 3.733 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN056738.D
 Acq: 16 Jul 2019 2:07

Instrument :
 MSVOA_N
 ClientSampleId :
 KY030LC026-SW-190712

Tot Ion:180 Resp: 173
 Ion Ratio Lower Upper
 180 100
 182 91.3 47.2 141.6
 145 0.0 14.2 42.8#



#95
 Naphthalene
 Concen: 4.578 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN056738.D
 Acq: 16 Jul 2019 2:07

Tgt Ion:128 Resp: 613
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.7 13.1#

