

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056741.D
 Acq On : 16 Jul 2019 3:17
 Operator : JC/SP
 Sample : K3814-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY030LC066-SW-190712

Quant Time: Jul 16 04:29:46 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	268529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	475295	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	501727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198809	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	156219	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
35) Dibromofluoromethane	7.59	113	143800	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
50) Toluene-d8	10.09	98	596995	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.40	95	220817	57.32	ug/l	0.00
Spiked Amount			Recovery	=	114.64%	

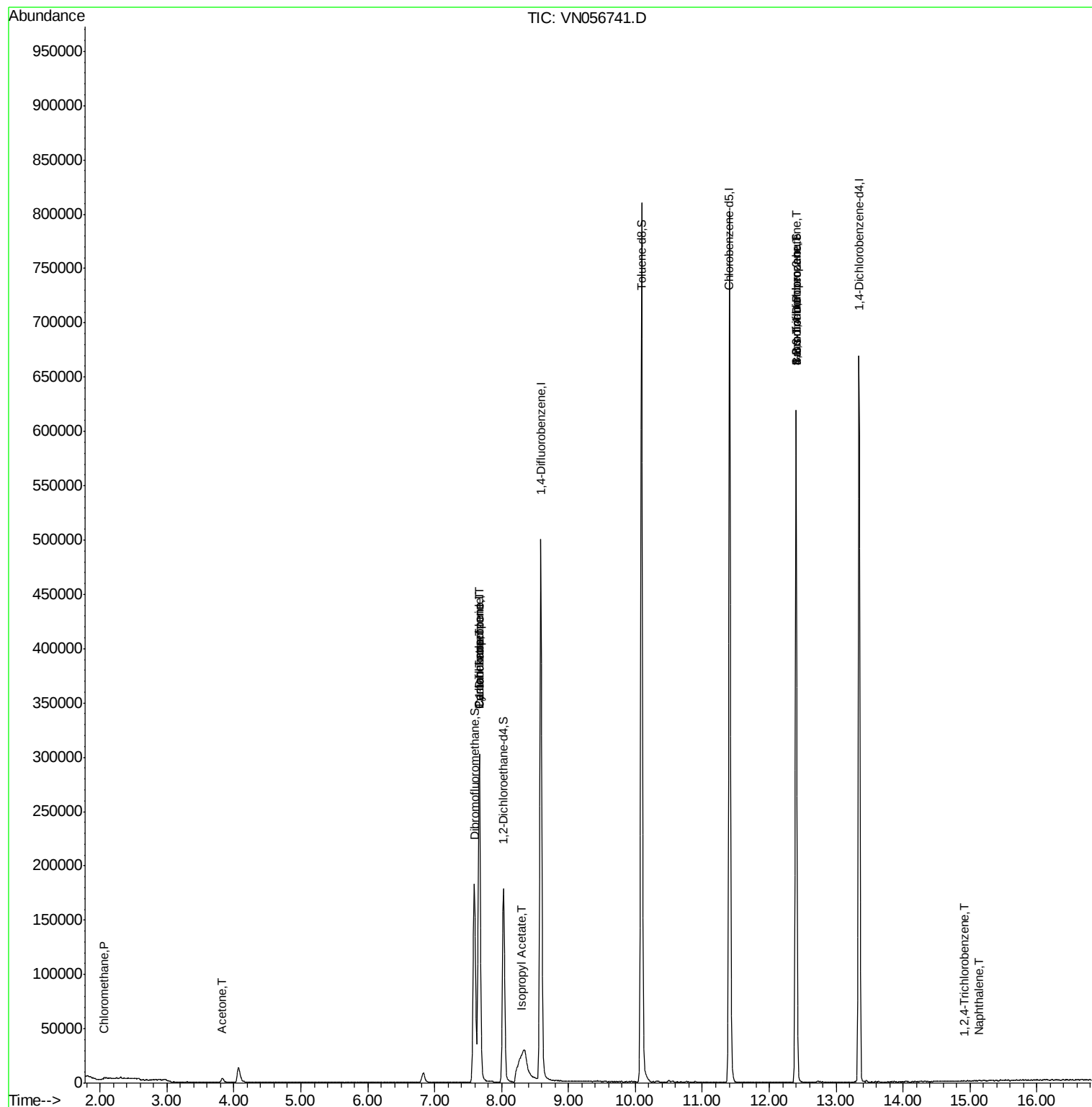
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	963	0.284	ug/l #	82
16) Acetone	3.83	43	7592	5.547	ug/l	99
18) Methyl Acetate	4.34	43	290	Below Cal	#	52
31) Cyclohexane	7.66	56	4560	0.960	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17544	3.989	ug/l #	48
38) Carbon Tetrachloride	7.67	117	23290	5.647	ug/l #	16
43) Isopropyl Acetate	8.29	43	33467	4.911	ug/l #	54
71) Bromoform	12.41	173	1531	0.533	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	104210	23.966	ug/l #	100
79) 2-Chlorotoluene	12.67	91	31	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	104210	74.015	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	68	3.708	ug/l #	13
95) Naphthalene	15.13	128	407	4.560	ug/l #	69

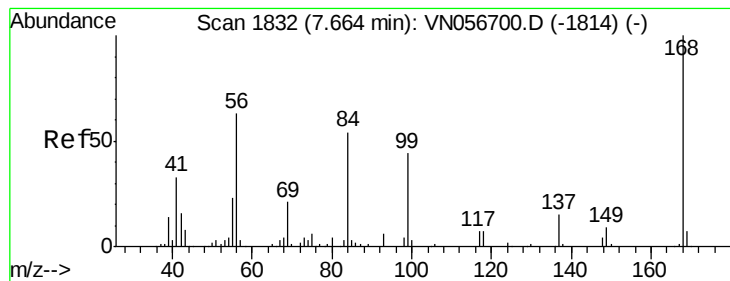
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.01 min

Lab File: VN056741.D

Acq: 16 Jul 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

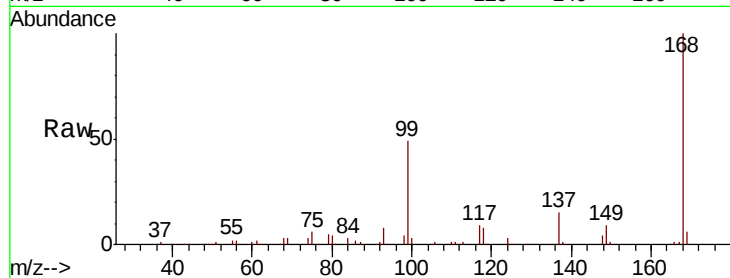
KY030LC066-SW-190712

Tot Ion:168 Resp: 268529

Ion Ratio Lower Upper

168 100

99 49.1 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056741.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056741.D (-1739) (-)

7.67

120000

100000

80000

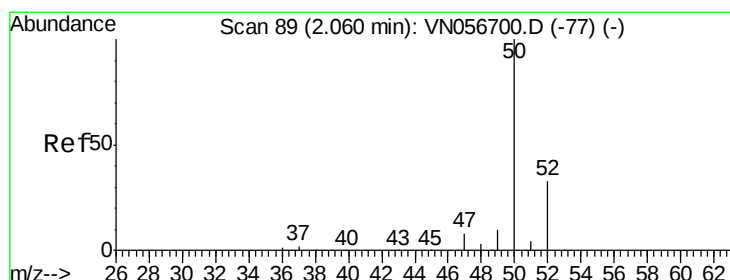
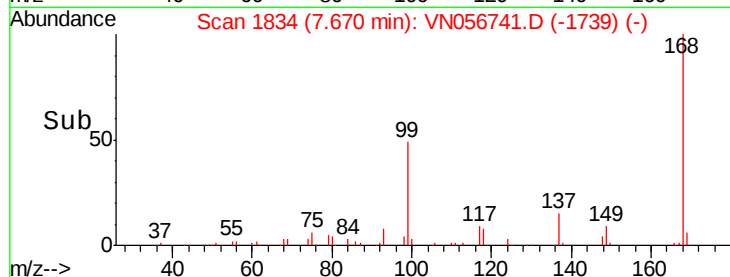
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.284 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056741.D

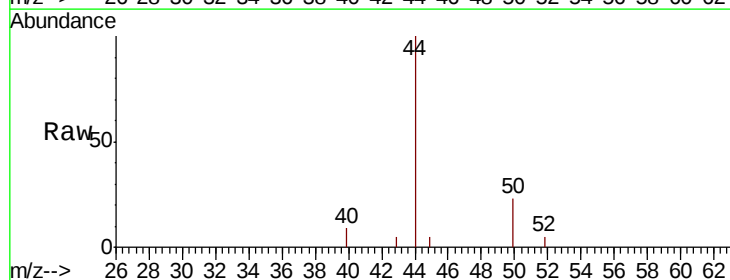
Acq: 16 Jul 2019 3:17

Tgt Ion: 50 Resp: 963

Ion Ratio Lower Upper

50 100

52 22.9 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VN056741.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN056741.D (-1) (-)

2.06

800

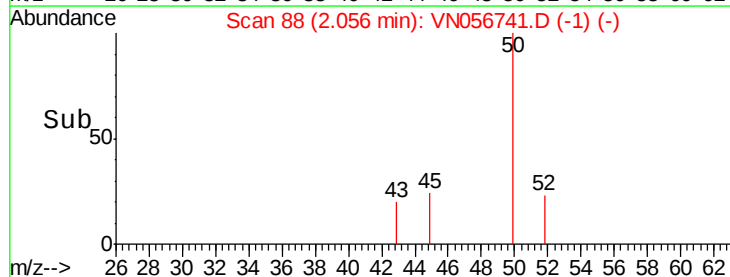
600

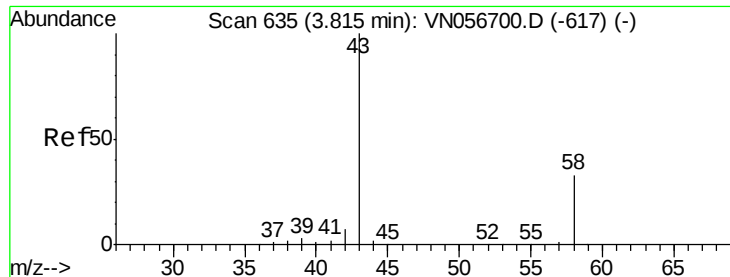
400

200

0

Time-->





#16

Acetone

Concen: 5.547 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN056741.D

Acq: 16 Jul 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

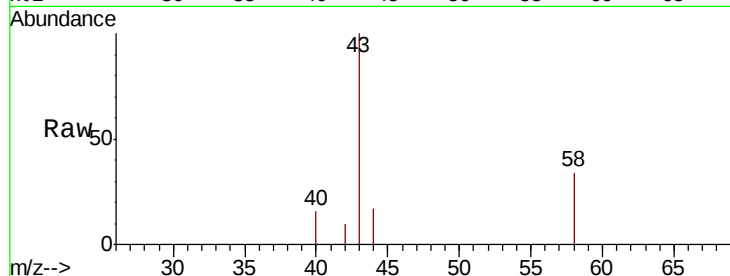
KY030LC066-SW-190712

Tot Ion: 43 Resp: 7592

Ion Ratio Lower Upper

43 100

58 33.7 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3000

2500

2000

1500

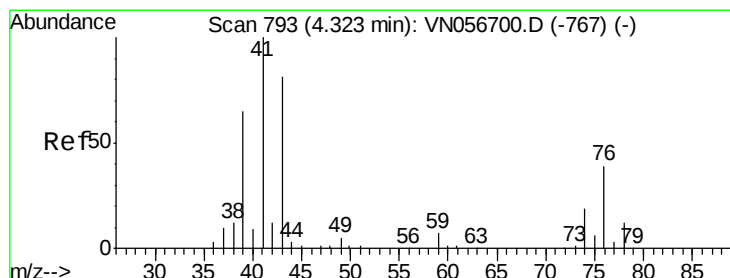
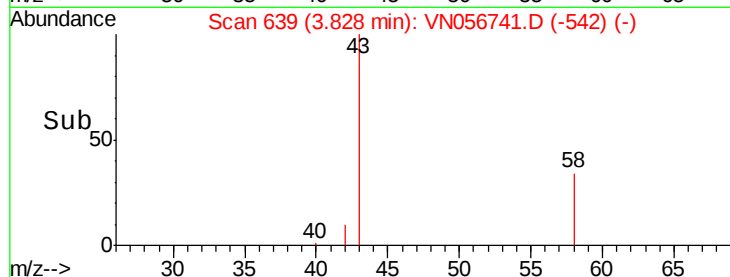
1000

500

0

3.75 3.80 3.85 3.90

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 798

Delta R.T. 0.02 min

Lab File: VN056741.D

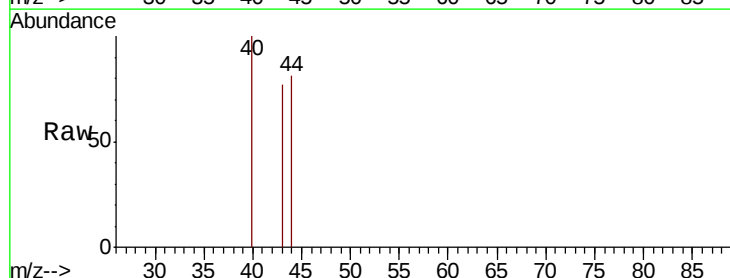
Acq: 16 Jul 2019 3:17

Tgt Ion: 43 Resp: 290

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

300

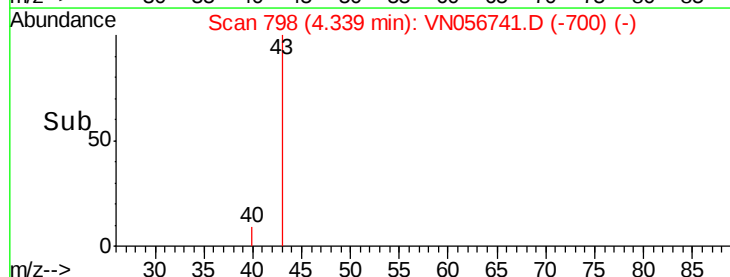
200

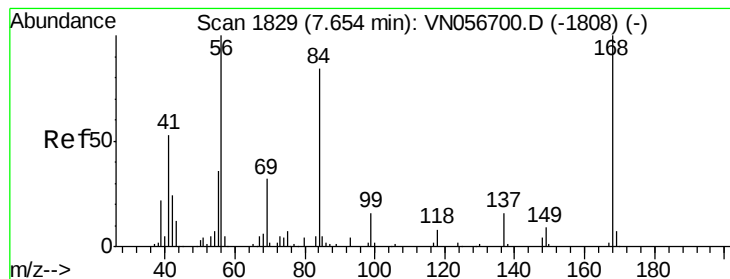
100

0

4.32 4.33 4.34 4.35

Time-->





#31

Cyclohexane

Concen: 0.960 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056741.D

Acq: 16 Jul 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

KY030LC066-SW-190712

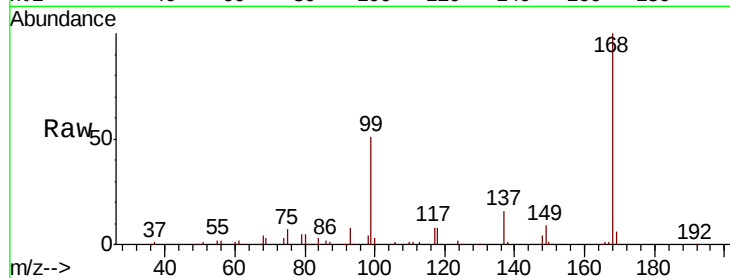
Tot Ion: 56 Resp: 4560

Ion Ratio Lower Upper

56 100

69 167.8 25.8 38.8#

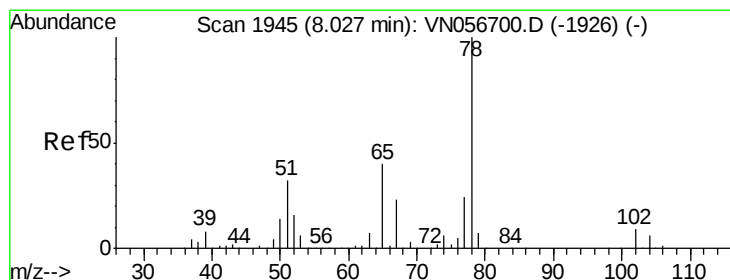
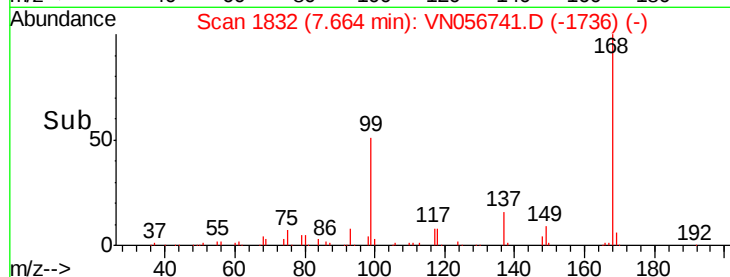
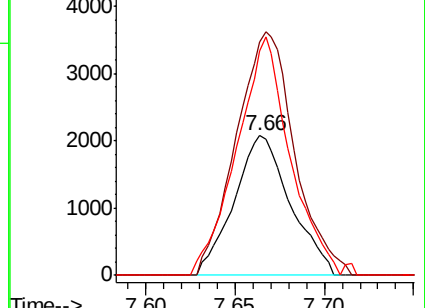
84 160.8 67.4 101.0#



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: 52.594 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN056741.D

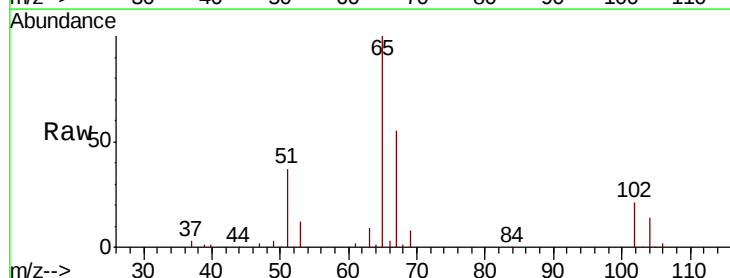
Acq: 16 Jul 2019 3:17

Tgt Ion: 65 Resp: 156219

Ion Ratio Lower Upper

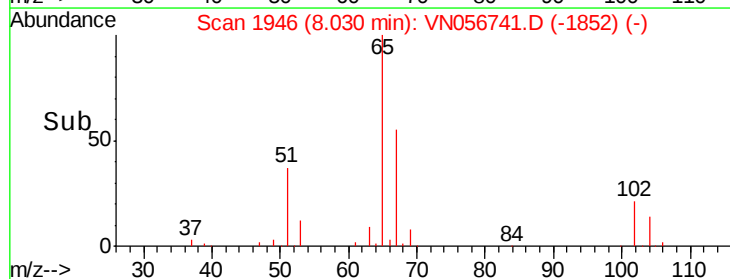
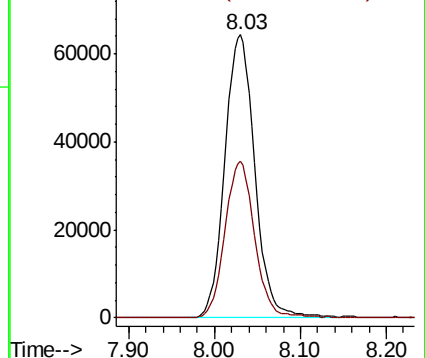
65 100

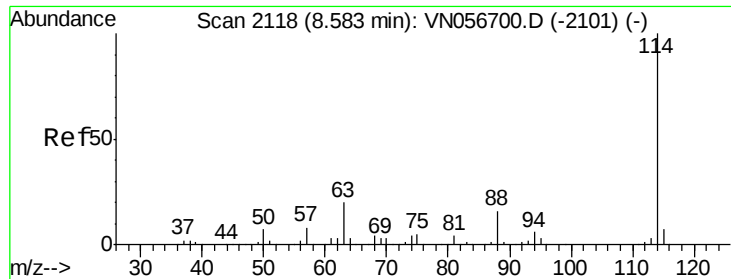
67 54.6 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

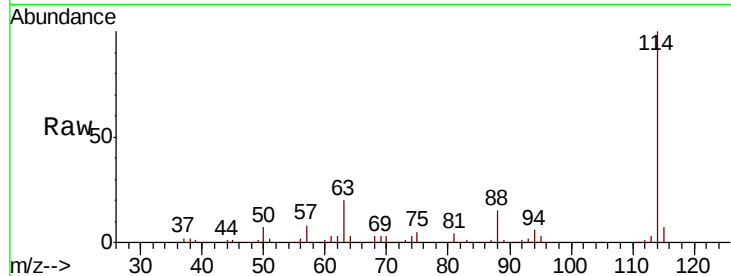




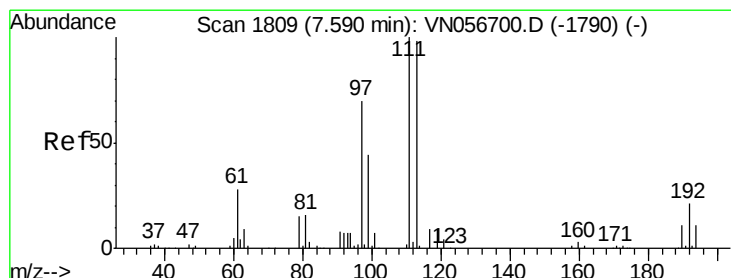
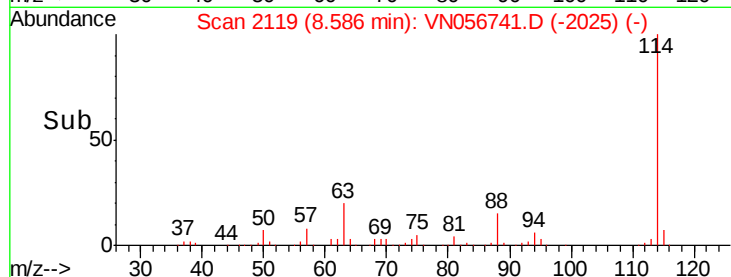
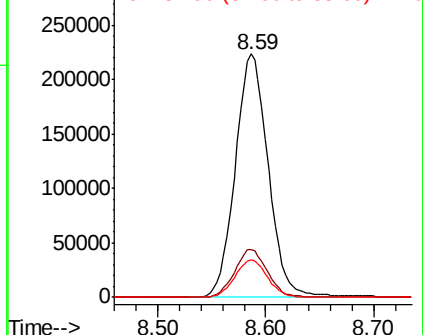
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056741.D
 Acq: 16 Jul 2019 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 KY030LC066-SW-190712

Tot Ion:114 Resp: 475295
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.4
 88 15.4 0.0 31.2

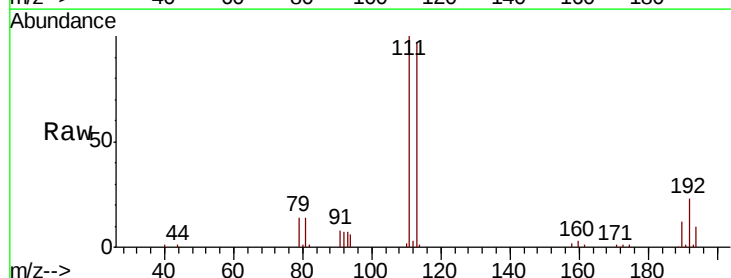


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

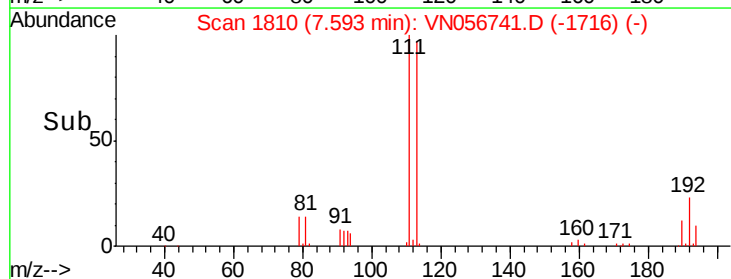
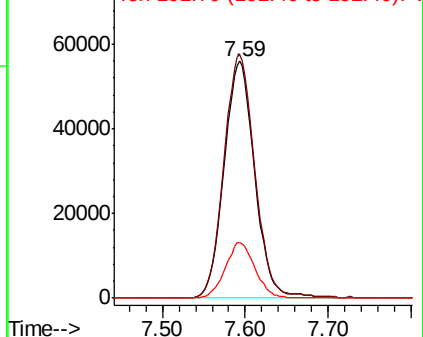


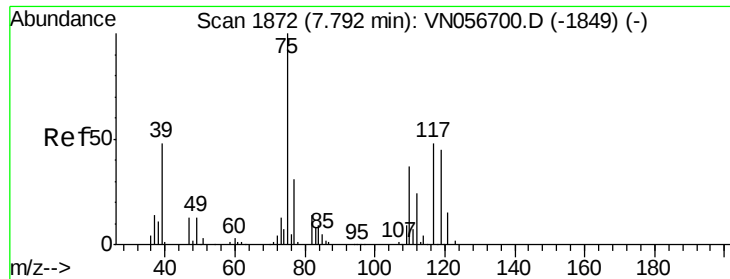
#35
 Dibromofluoromethane
 Concen: 48.616 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056741.D
 Acq: 16 Jul 2019 3:17

Tgt Ion:113 Resp: 143800
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.8 122.6
 192 22.7 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

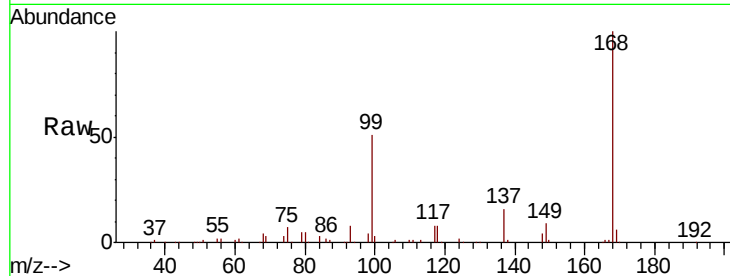




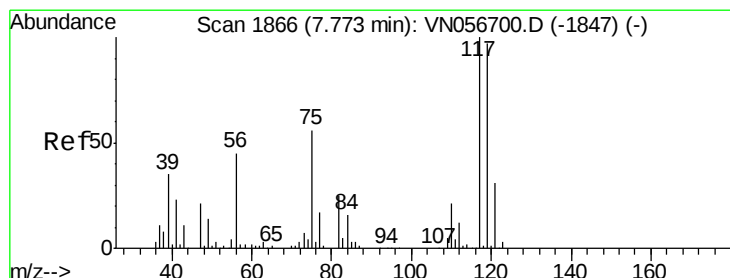
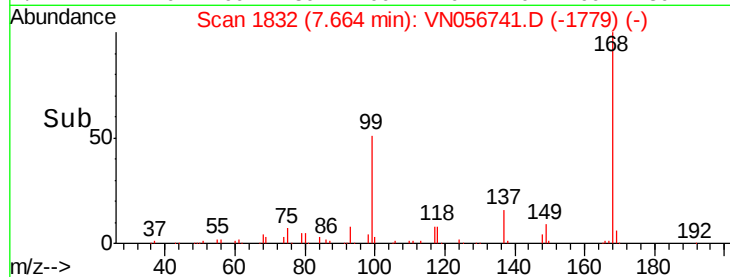
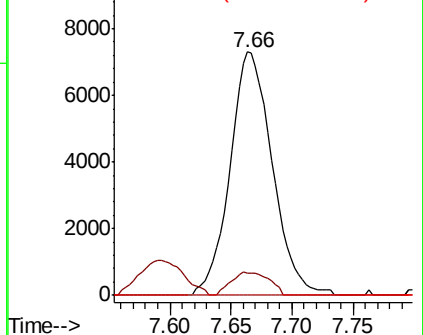
#36
 1,1-Dichloropropene
 Concen: 3.989 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056741.D
 Acq: 16 Jul 2019 3:17

Instrument :
 MSVOA_N
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 KY030LC066-SW-190712

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.4	55.4#
77	0.0	24.6	36.8#

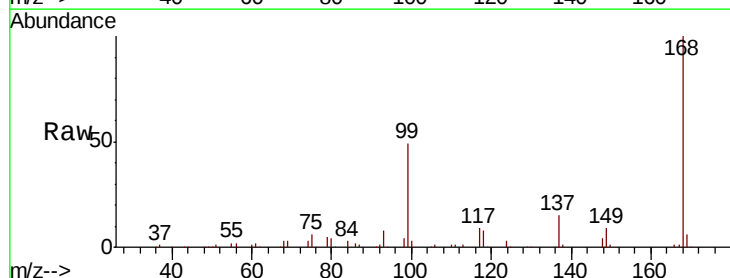


Abundance Ion 74.90 (74.60 to 75.60): VN056741.D (-1779) (-)

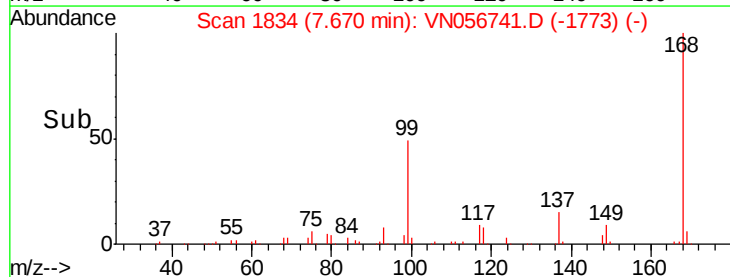
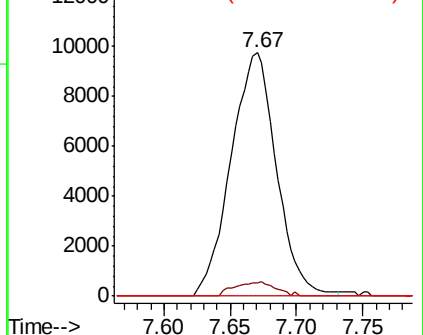


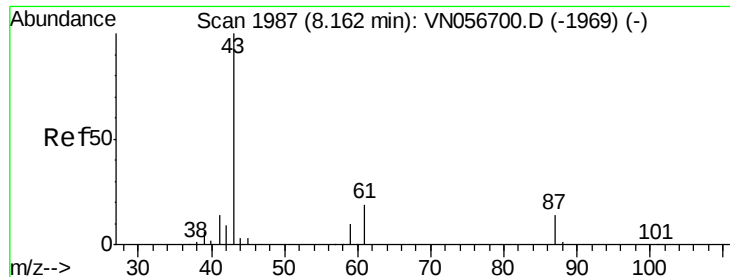
#38
 Carbon Tetrachloride
 Concen: 5.647 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.10 min
 Lab File: VN056741.D
 Acq: 16 Jul 2019 3:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	77.5	116.3#
121	0.0	24.7	37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN056741.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 4.911 ug/l

RT: 8.29 min Scan# 2027

Delta R.T. 0.13 min

Lab File: VN056741.D

Acq: 16 Jul 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

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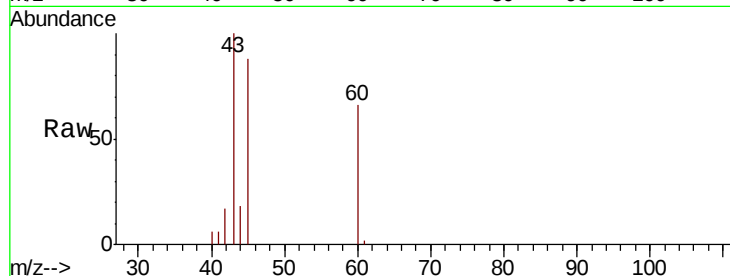
Tot Ion: 43 Resp: 33467

Ion Ratio Lower Upper

43 100

61 0.6 22.3 33.5#

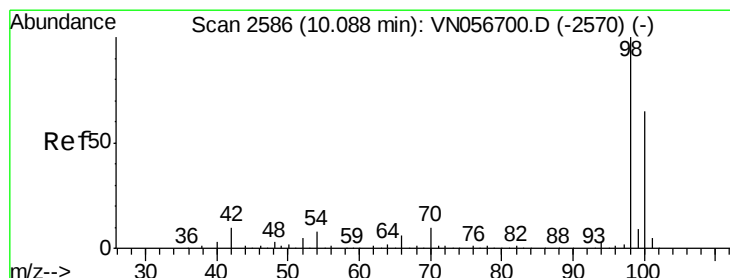
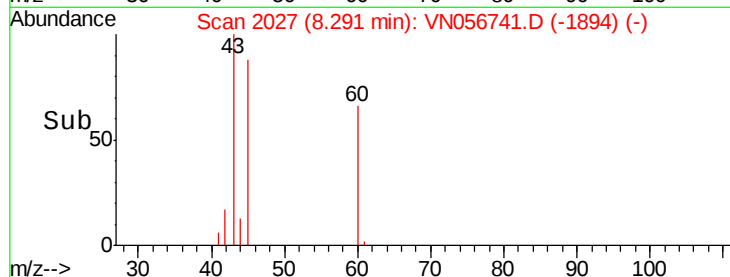
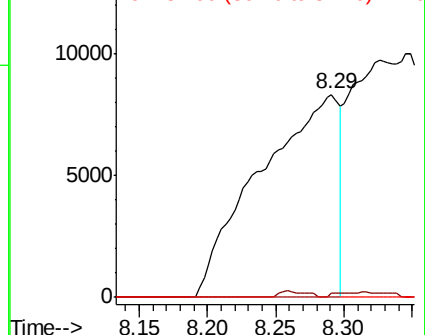
87 0.0 11.1 16.7#



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: 52.258 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056741.D

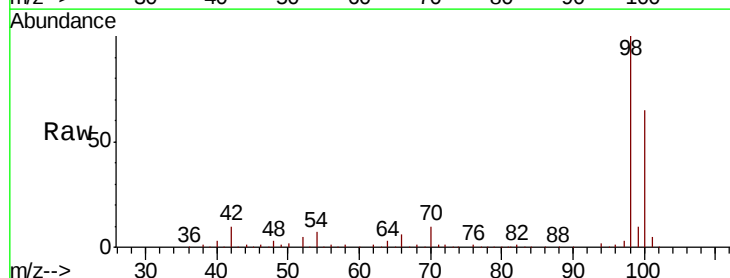
Acq: 16 Jul 2019 3:17

Tgt Ion: 98 Resp: 596995

Ion Ratio Lower Upper

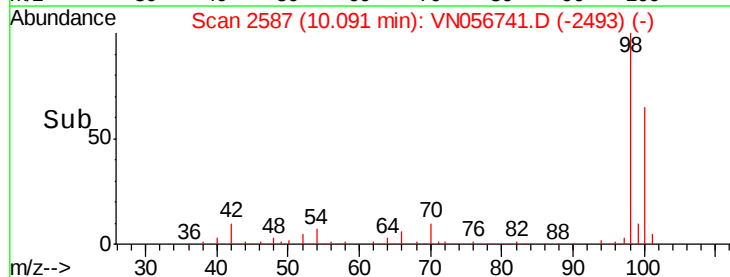
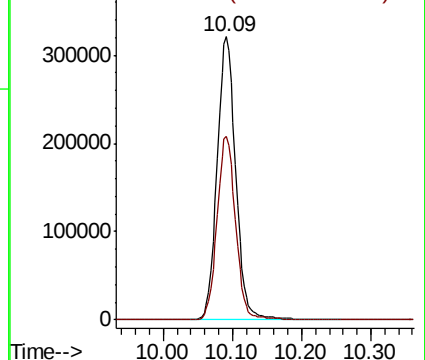
98 100

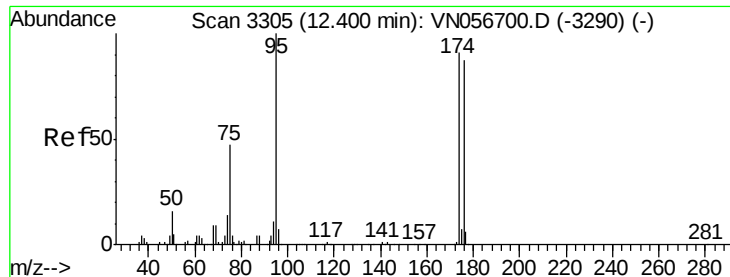
100 64.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 57.317 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056741.D

Acq: 16 Jul 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

KY030LC066-SW-190712

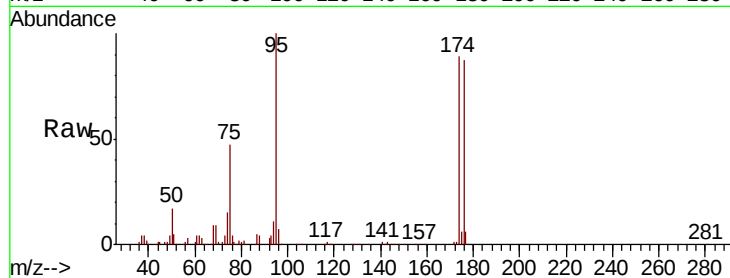
Tot Ion: 95 Resp: 220817

Ion Ratio Lower Upper

95 100

174 91.1 0.0 180.0

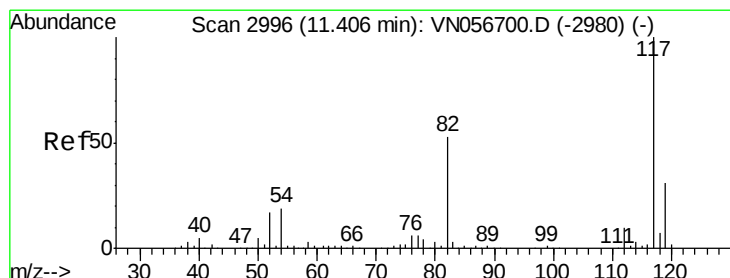
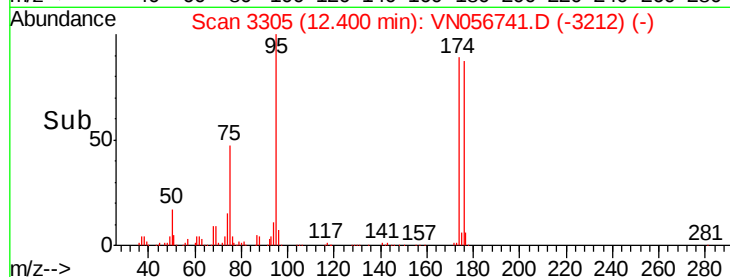
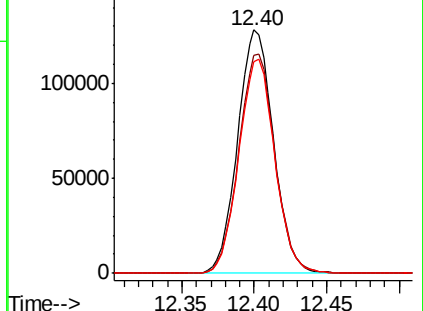
176 88.3 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056741.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN056741.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN056741.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN056741.D

Acq: 16 Jul 2019 3:17

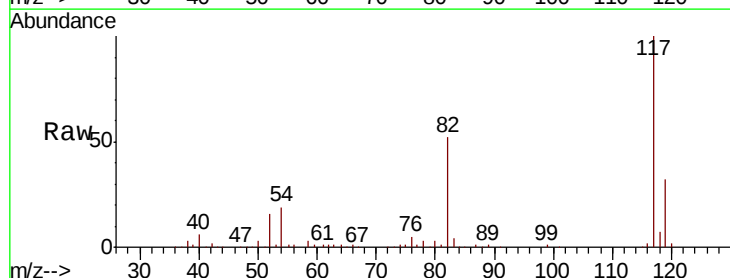
Tgt Ion: 117 Resp: 501727

Ion Ratio Lower Upper

117 100

82 52.5 42.2 63.2

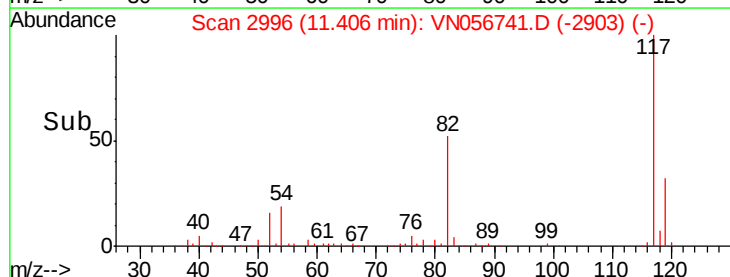
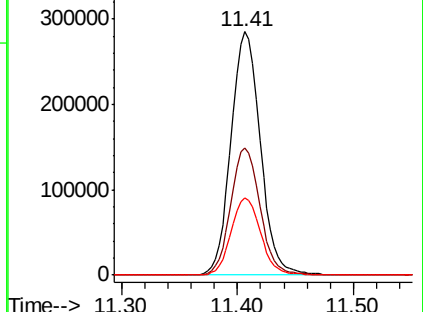
119 31.8 25.2 37.8

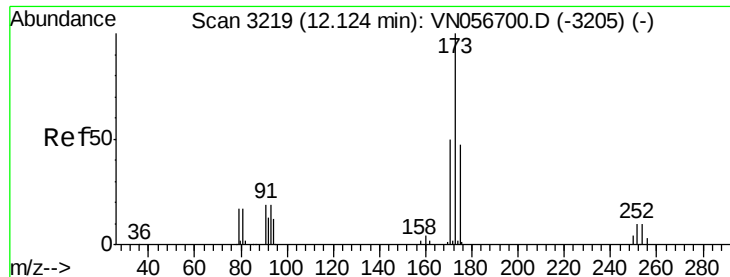


Abundance Ion 116.90 (116.60 to 117.60): VN056741.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056741.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056741.D (-2903) (-)

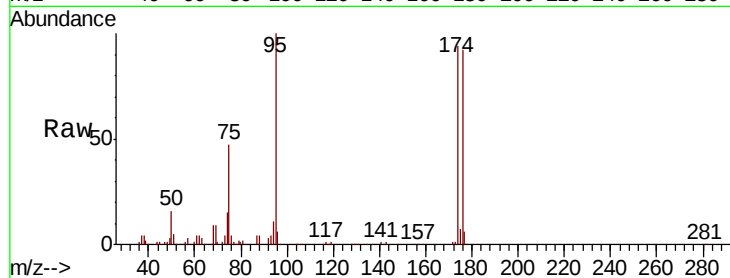




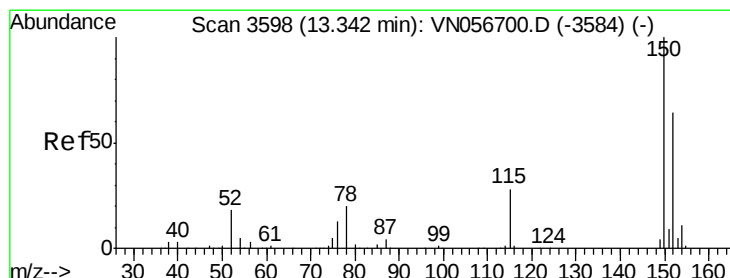
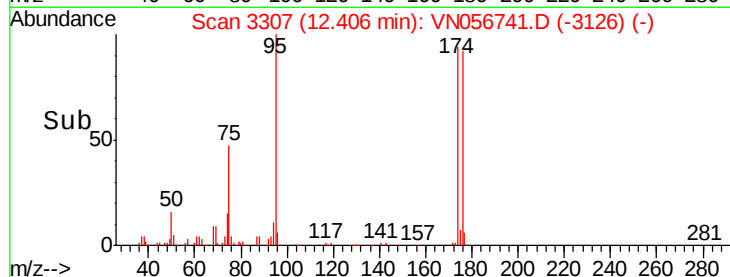
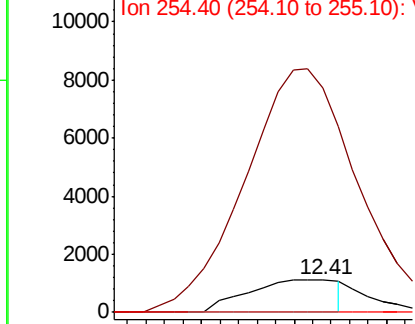
#71
Bromoform
Concen: 0.533 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN056741.D
Acq: 16 Jul 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
KY030LC066-SW-190712

Tot Ion:173 Resp: 1531
Ion Ratio Lower Upper
173 100
175 739.8 23.8 71.4#
254 0.0 0.0 0.0

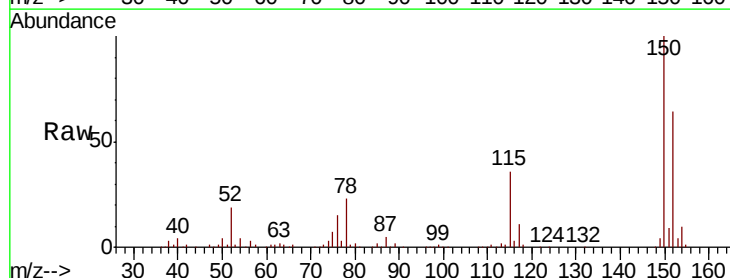


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

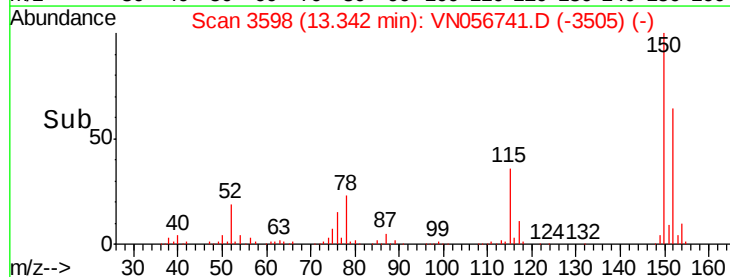
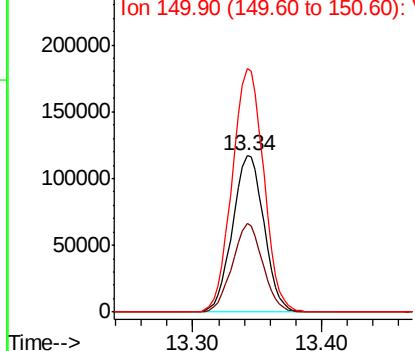


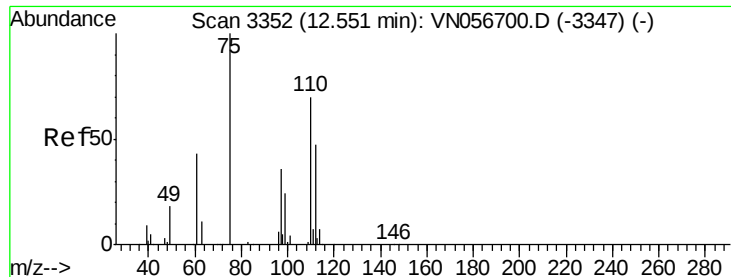
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056741.D
Acq: 16 Jul 2019 3:17

Tgt Ion:152 Resp: 198809
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 156.1 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: 23.966 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056741.D

Acq: 16 Jul 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

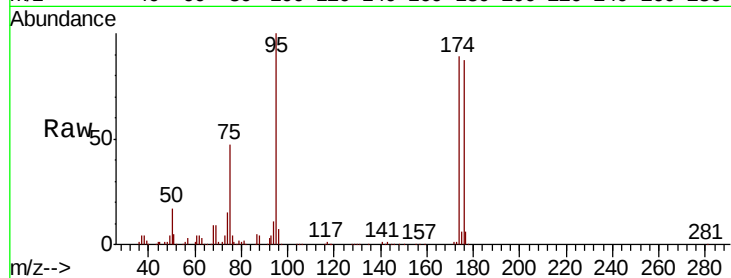
KY030LC066-SW-190712

Tot Ion: 75 Resp: 104210

Ion Ratio Lower Upper

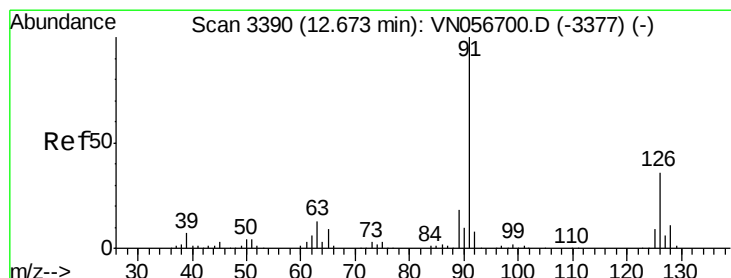
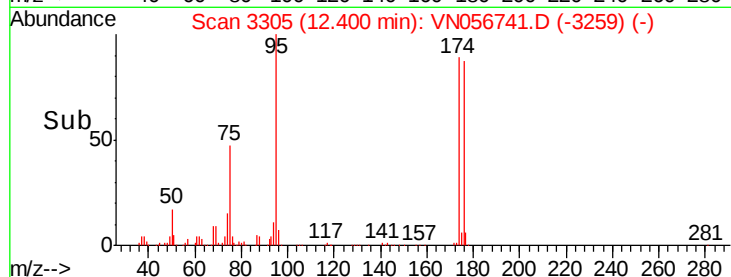
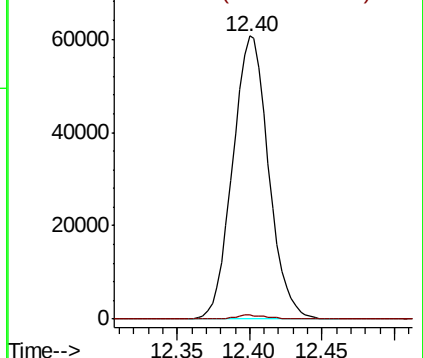
75 100

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: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056741.D

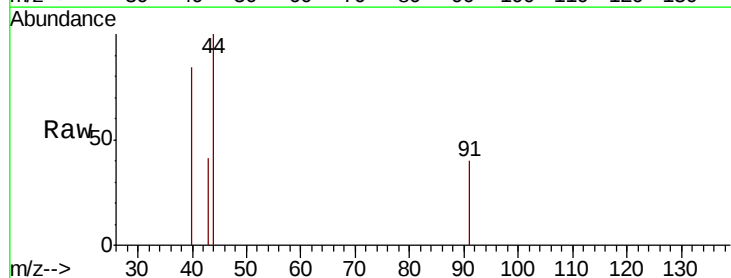
Acq: 16 Jul 2019 3:17

Tgt Ion: 91 Resp: 31

Ion Ratio Lower Upper

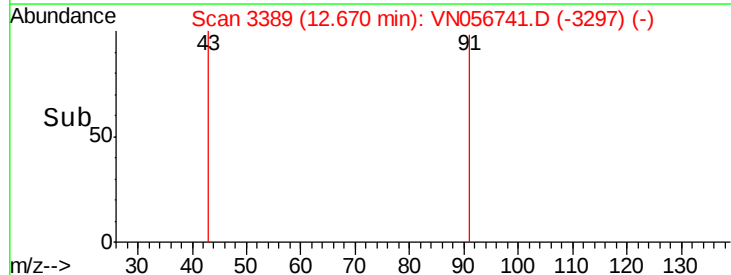
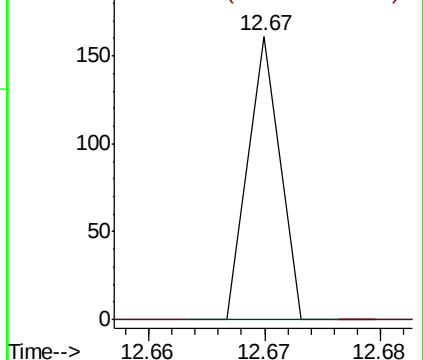
91 100

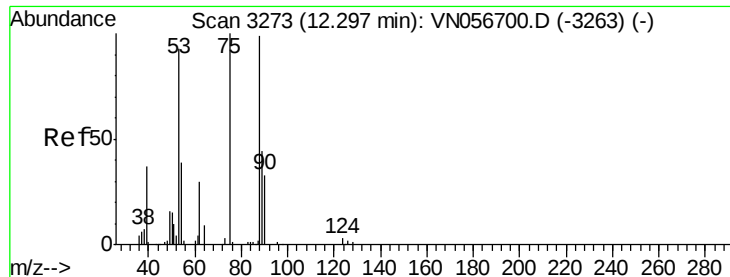
126 0.0 17.9 53.7#



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: 74.015 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056741.D

Acq: 16 Jul 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

KY030LC066-SW-190712

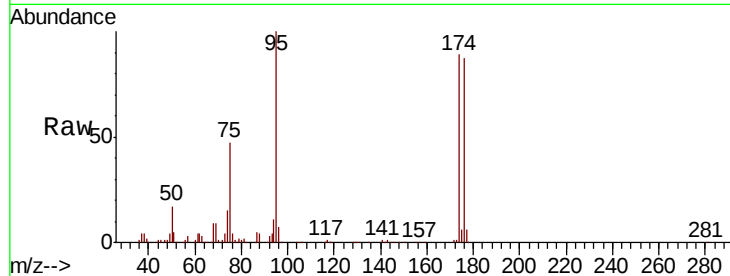
Tot Ion: 75 Resp: 104210

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

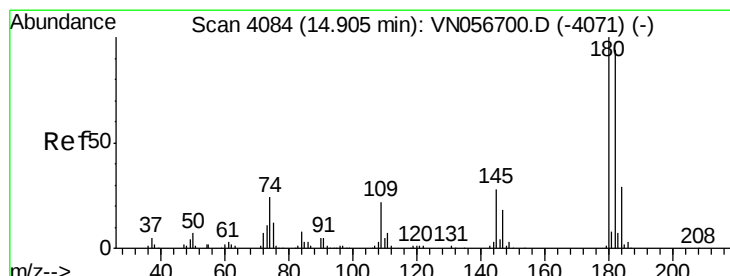
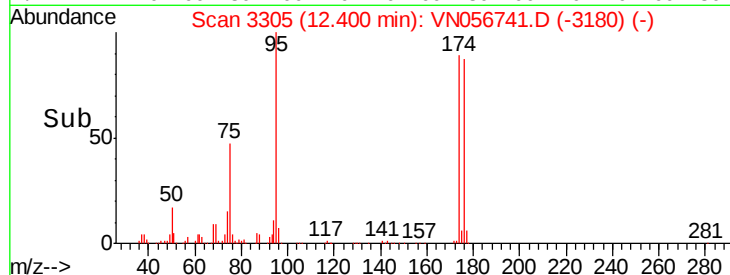
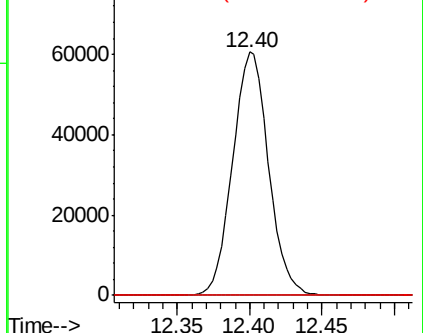
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN056741.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN056741.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN056741.D (-3305) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.708 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056741.D

Acq: 16 Jul 2019 3:17

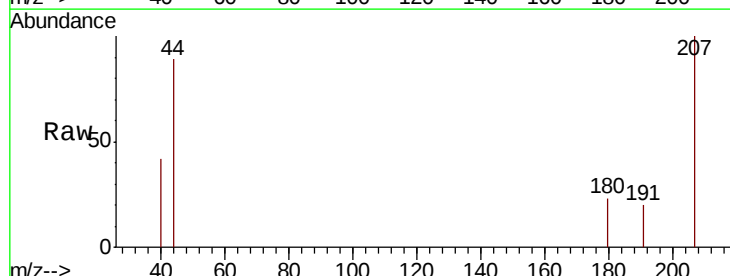
Tgt Ion: 180 Resp: 68

Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

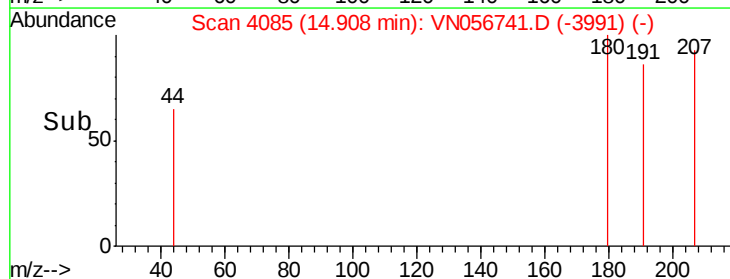
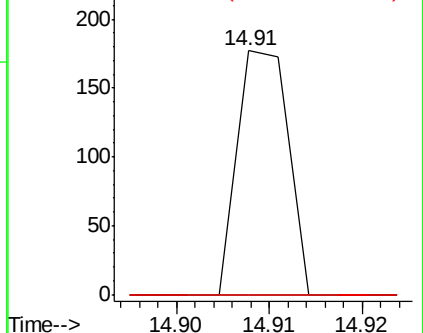
145 0.0 14.2 42.8#

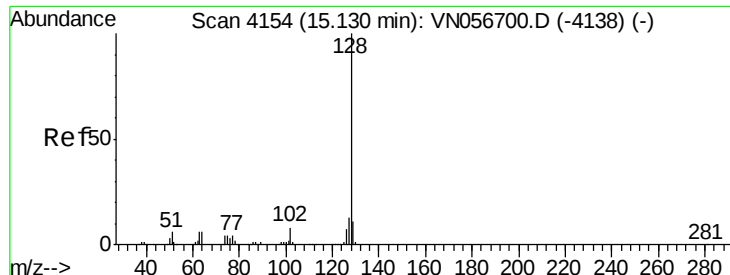


Abundance Ion 179.80 (179.50 to 180.50): VN056741.D (-4085) (-)

Ion 181.80 (181.50 to 182.50): VN056741.D (-4085) (-)

Ion 144.80 (144.50 to 145.50): VN056741.D (-4085) (-)





#95

Naphthalene

Concen: 4.560 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN056741.D

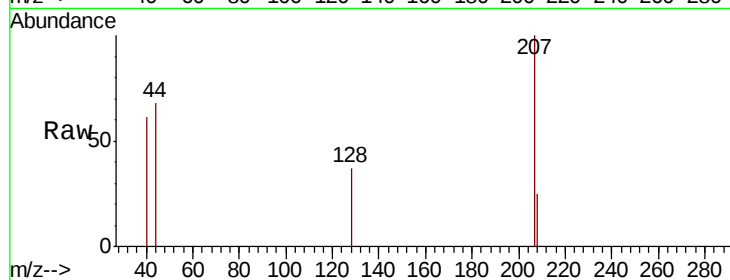
Acq: 16 Jul 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

KY030LC066-SW-190712



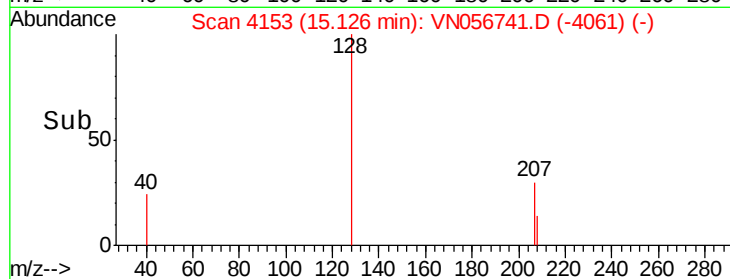
Tot Ion:128 Resp: 407

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): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

