

Data File : VN057743.D
Acq On : 7 Sep 2019 11:26
Operator : JC/SP
Sample : K4754-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-02-090619

Quant Time: Sep 08 06:30:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	192715	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	300164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	267487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	141959	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	226055	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.58	113	142078	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
50) Toluene-d8	10.09	98	534398	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.40	95	192755	45.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.78%	

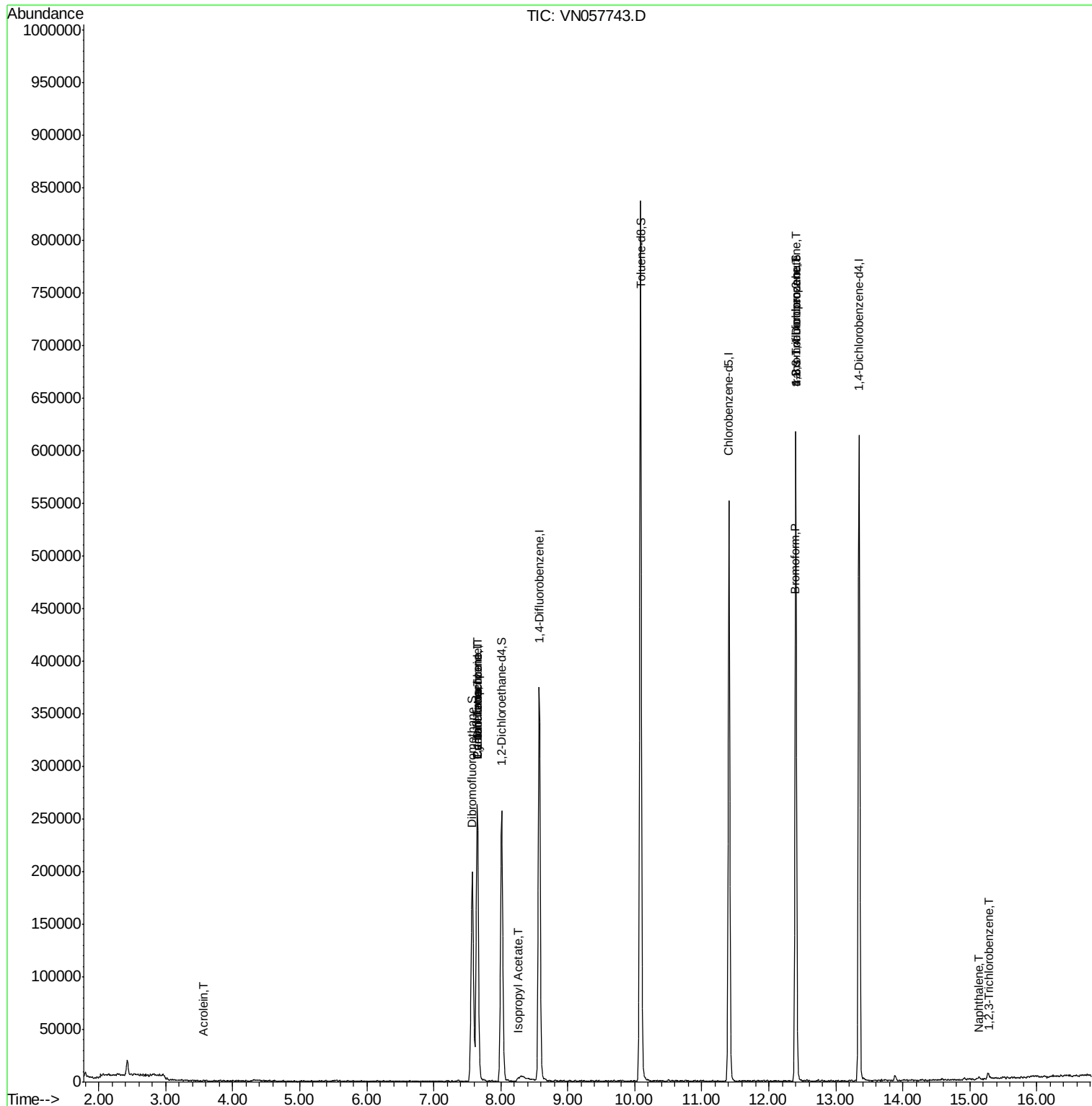
Target Compounds			Qvalue			
3) Chloromethane	2.03	50	525	Below Cal	#	24
13) Acrolein	3.56	56	132	0.521	ug/l #	15
31) Cyclohexane	7.65	56	6203	1.179	ug/l #	38
36) 1,1-Dichloropropene	7.65	75	17027	4.264	ug/l #	52
38) Carbon Tetrachloride	7.65	117	19458	5.089	ug/l #	16
43) Isopropyl Acetate	8.27	43	2670	0.351	ug/l #	67
71) Bromoform	12.38	173	98	3.292	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	117264	35.972	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	117264	111.872	ug/l #	1
95) Naphthalene	15.13	128	1920	0.220	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.29	180	685	0.238	ug/l #	81

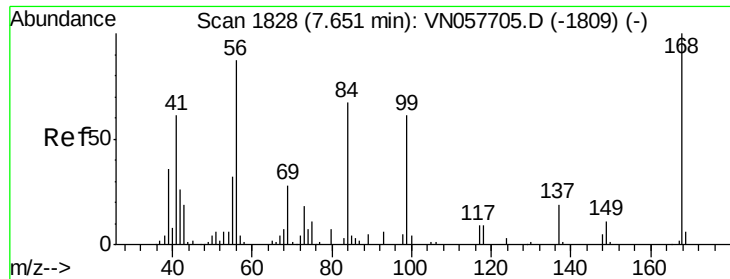
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN057743.D
Acq On : 7 Sep 2019 11:26
Operator : JC/SP
Sample : K4754-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-02-090619

Quant Time: Sep 08 06:30:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 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: VN057743.D

Acq: 7 Sep 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

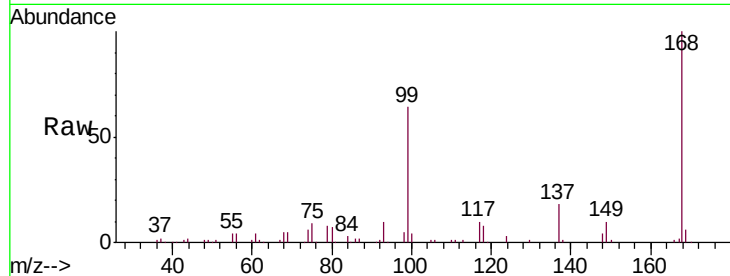
TB-02-090619

Tgt Ion:168 Resp: 192715

Ion Ratio Lower Upper

168 100

99 63.9 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): VN057705.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057705.D (-1809) (-)

7.65

80000

60000

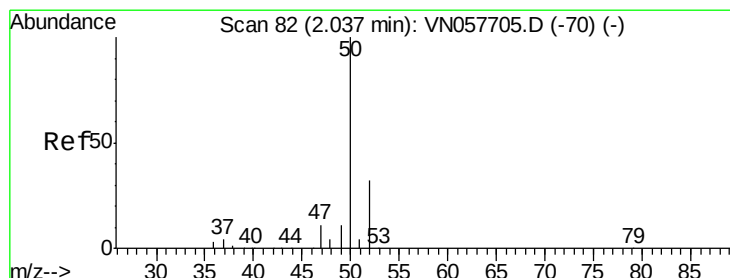
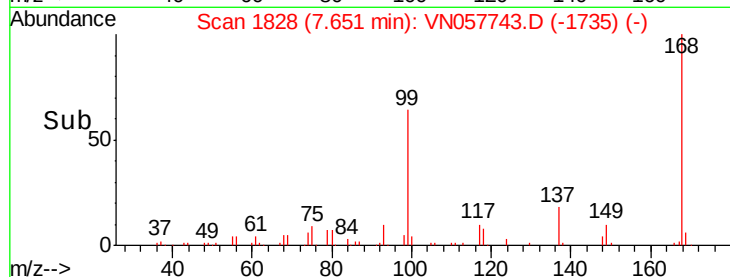
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057743.D

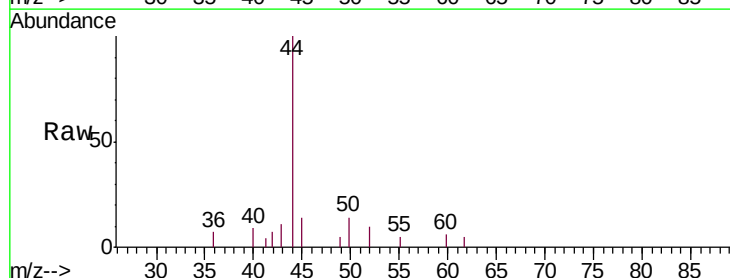
Acq: 7 Sep 2019 11:26

Tgt Ion: 50 Resp: 525

Ion Ratio Lower Upper

50 100

52 75.3 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN057705.D (-70) (-)

Ion 51.90 (51.60 to 52.60): VN057705.D (-70) (-)

2.03

600

500

400

300

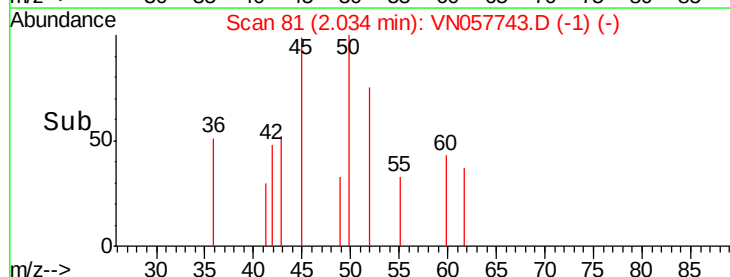
200

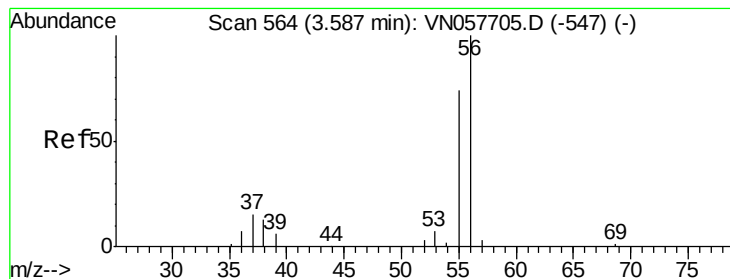
100

0

2.01 2.02 2.03 2.04 2.05

Time-->





#13

Acrolein

Concen: 0.521 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.03 min

Lab File: VN057743.D

Acq: 7 Sep 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

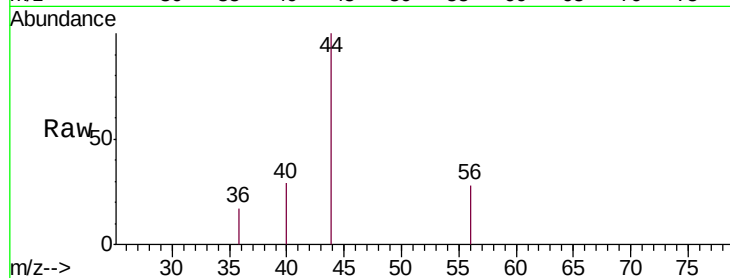
TB-02-090619

Tgt Ion: 56 Resp: 132

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.56

250

200

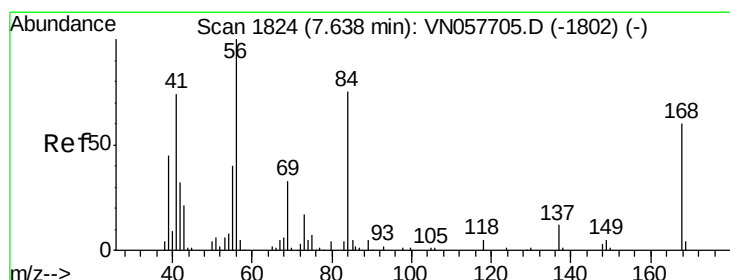
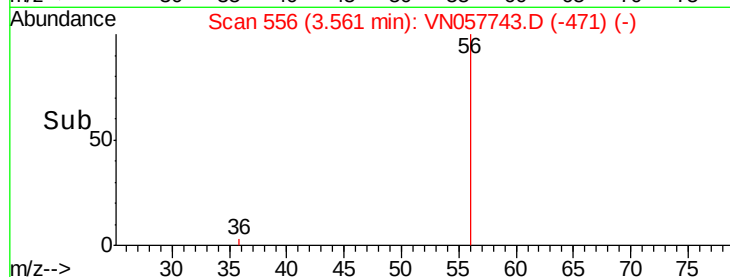
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 1.179 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN057743.D

Acq: 7 Sep 2019 11:26

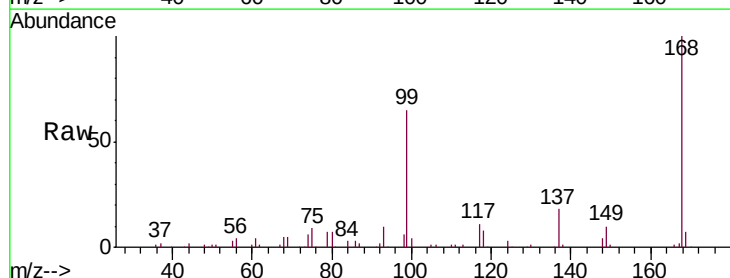
Tgt Ion: 56 Resp: 6203

Ion Ratio Lower Upper

56 100

69 132.4 26.2 39.2#

84 84.2 59.8 89.8



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

5000

4000

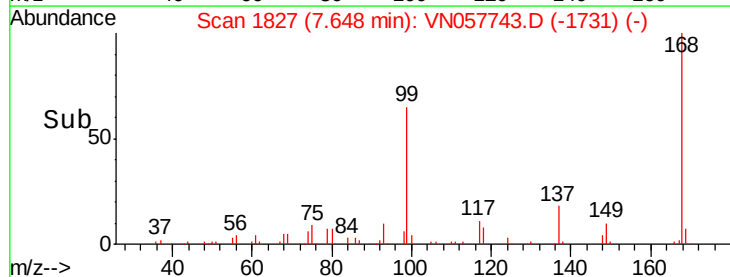
3000

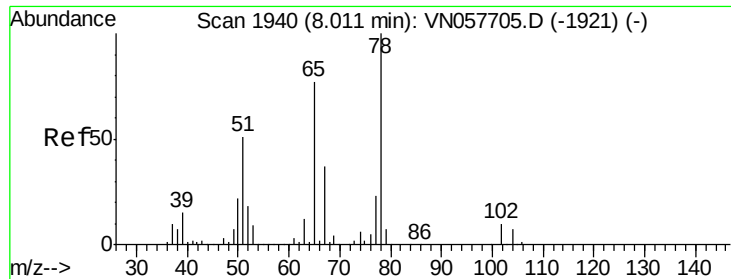
2000

1000

0

Time-->

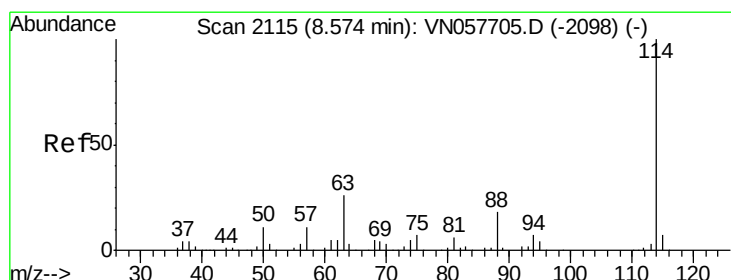
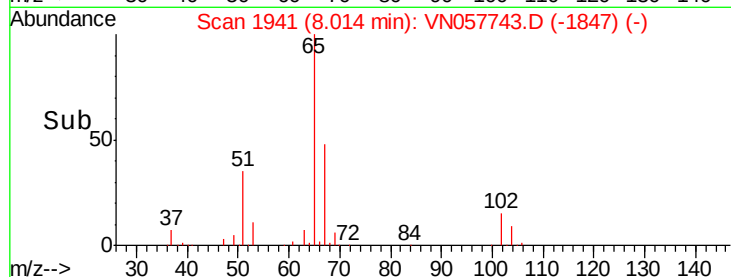
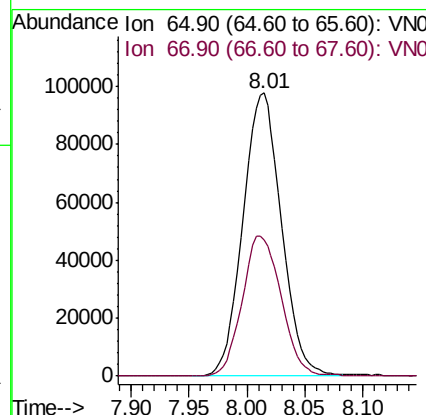
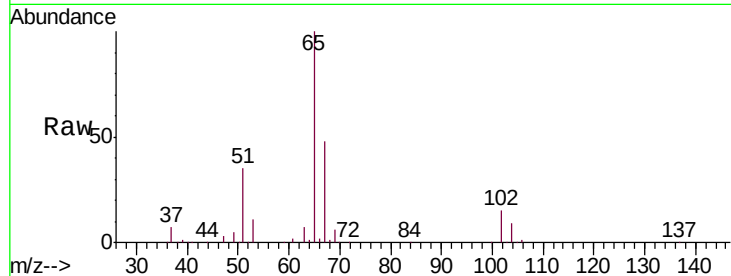




#33
 1,2-Dichloroethane-d4
 Concen: 48.218 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057743.D
 Acq: 7 Sep 2019 11:26

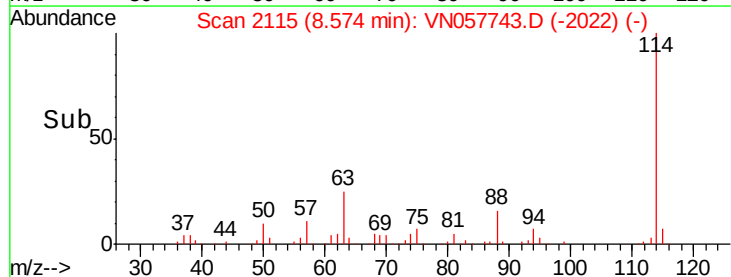
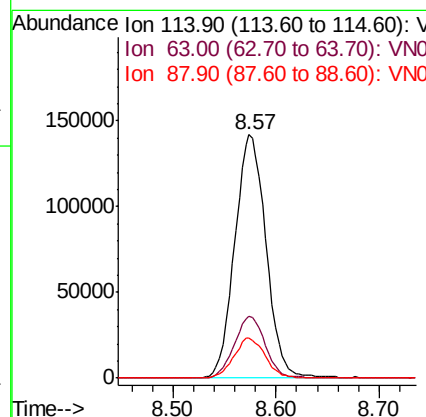
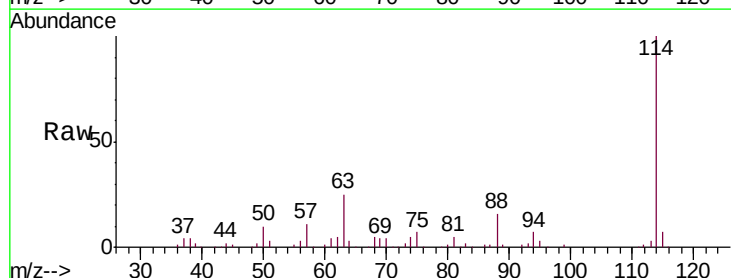
Instrument :
 MSVOA_N
 ClientSampled :
 TB-02-090619

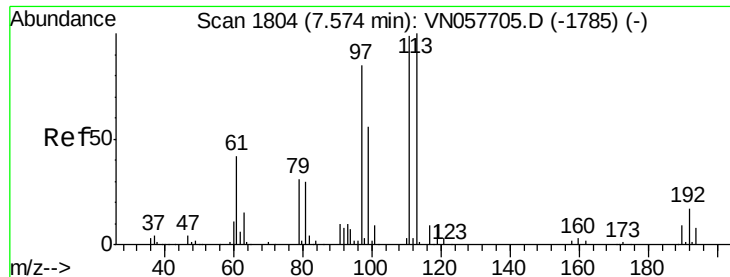
Tgt Ion: 65 Resp: 226055
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057743.D
 Acq: 7 Sep 2019 11:26

Tgt Ion: 114 Resp: 300164
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 52.4
 88 16.5 0.0 35.4

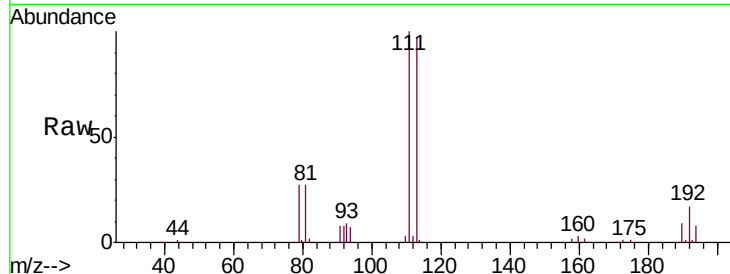




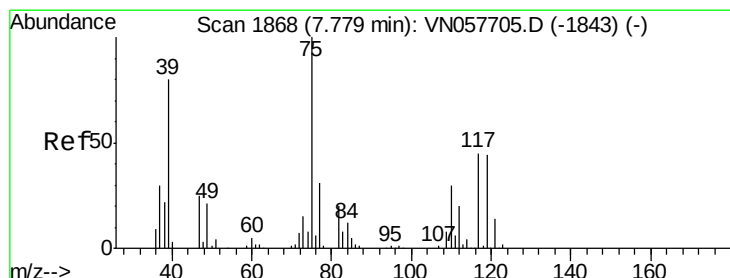
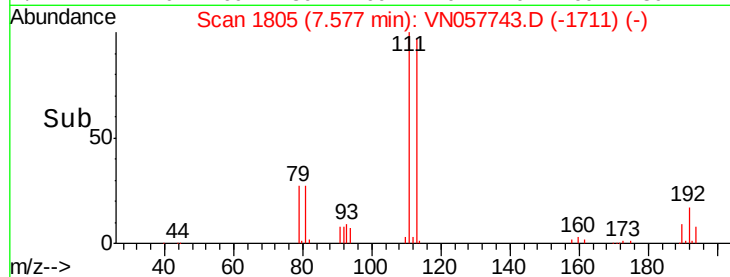
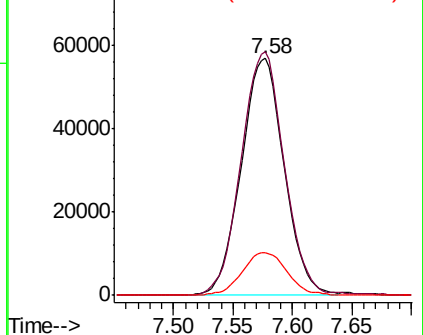
#35
 Dibromofluoromethane
 Concen: 51.966 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057743.D
 Acq: 7 Sep 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-02-090619

Tgt Ion: 113 Resp: 142078
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 18.7 13.8 20.6

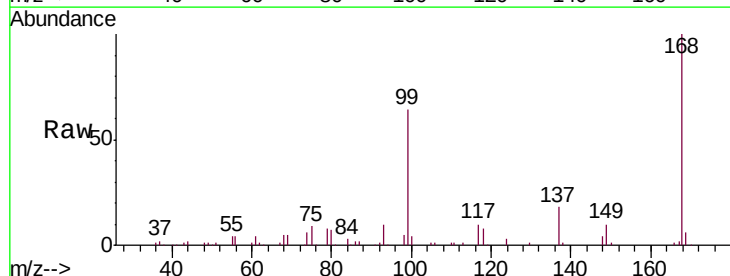


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

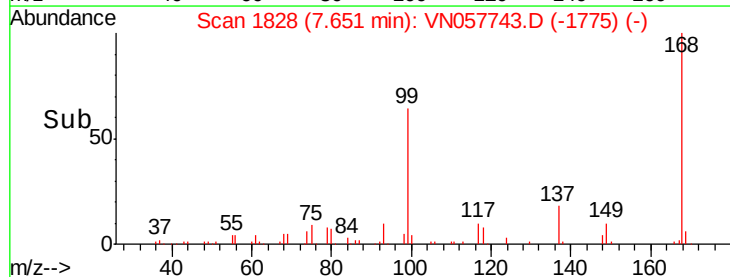
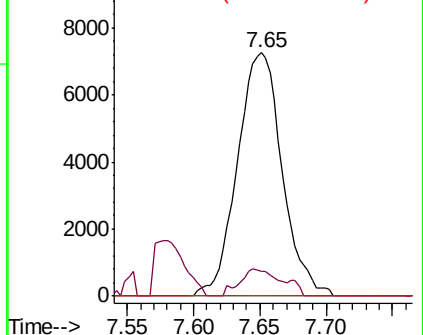


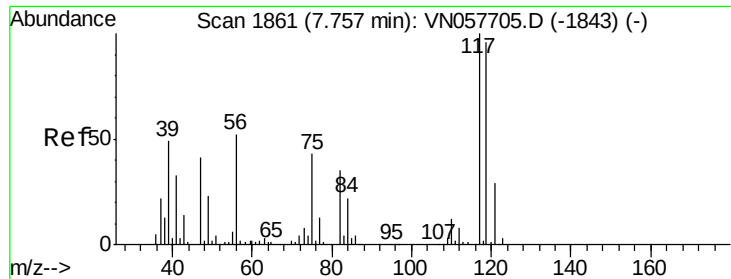
#36
 1,1-Dichloropropene
 Concen: 4.264 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057743.D
 Acq: 7 Sep 2019 11:26

Tgt Ion: 75 Resp: 17027
 Ion Ratio Lower Upper
 75 100
 110 9.1 15.0 45.0#
 77 0.0 24.6 37.0#



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: 5.089 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN057743.D

Acq: 7 Sep 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

TB-02-090619

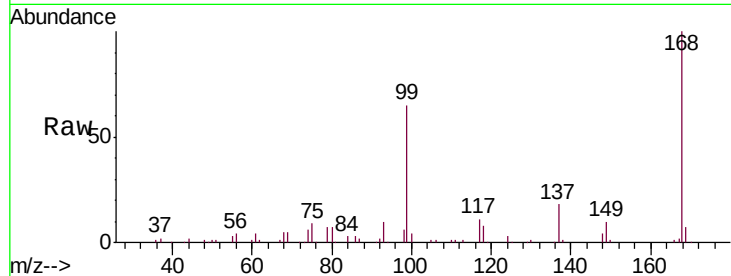
Tgt Ion:117 Resp: 19458

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

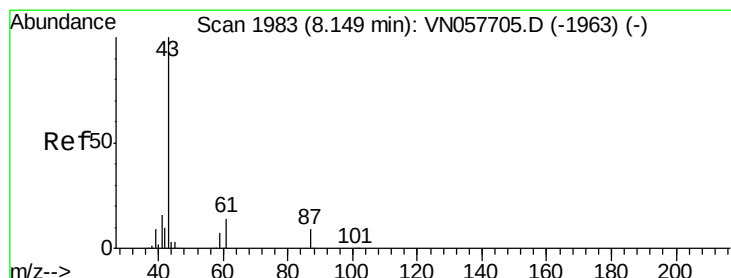
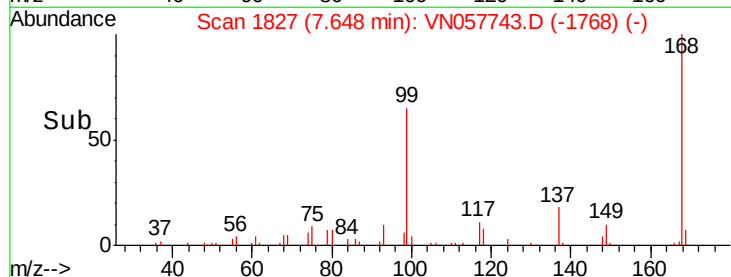
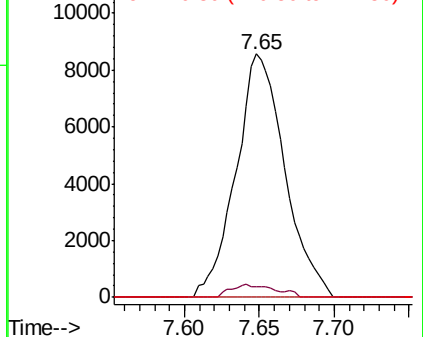
121 0.0 23.4 35.2#



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: 0.351 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.12 min

Lab File: VN057743.D

Acq: 7 Sep 2019 11:26

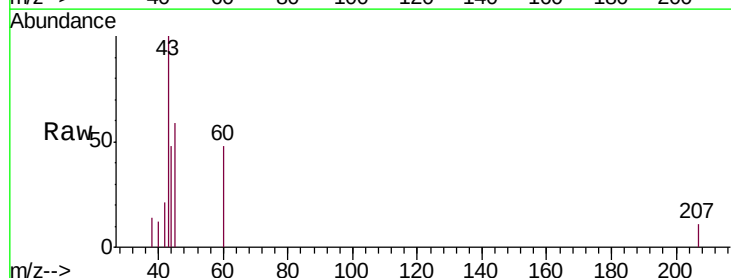
Tgt Ion: 43 Resp: 2670

Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

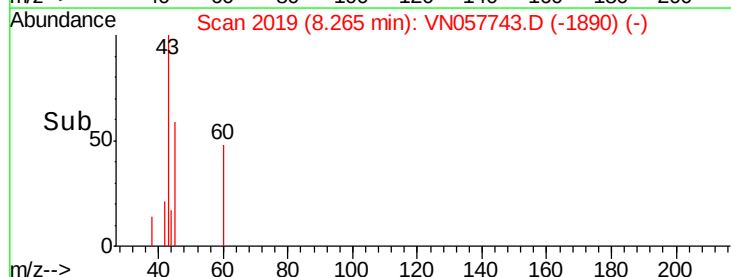
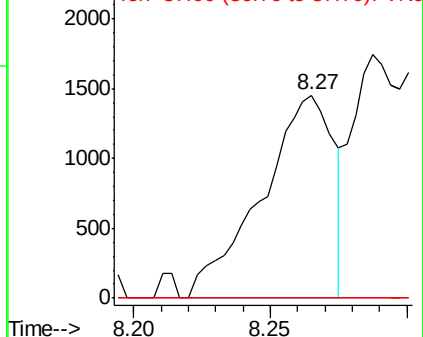
87 0.0 7.8 11.8#

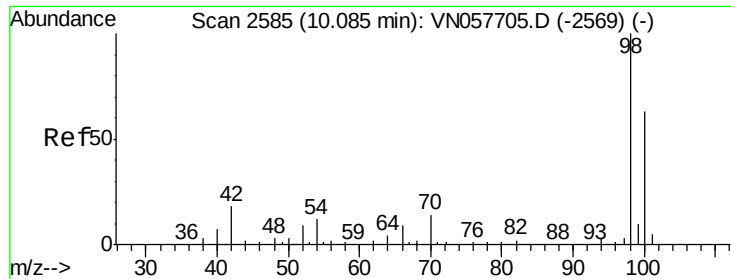


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.838 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057743.D

Acq: 7 Sep 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

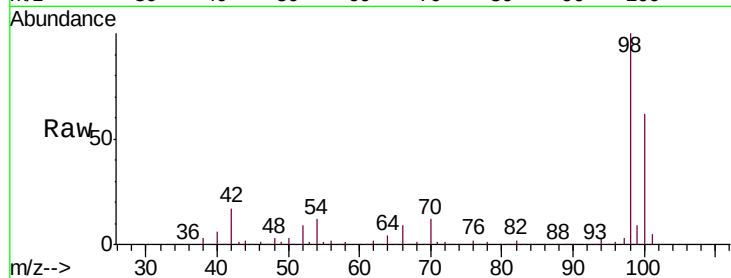
TB-02-090619

Tgt Ion: 98 Resp: 534398

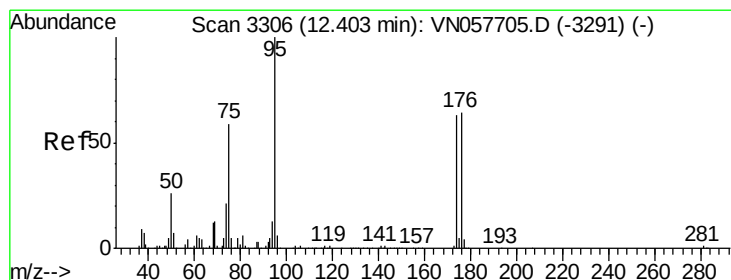
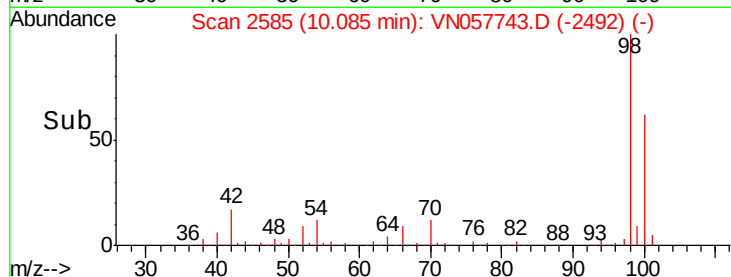
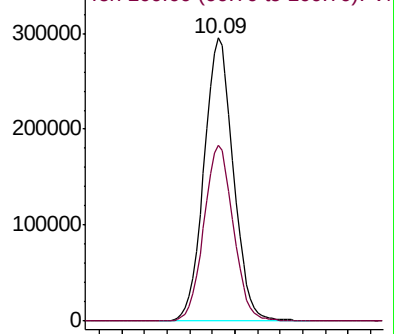
Ion Ratio Lower Upper

98 100

100 62.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057705.D (-2569) (-)



#62

4-Bromofluorobenzene

Concen: 45.885 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057743.D

Acq: 7 Sep 2019 11:26

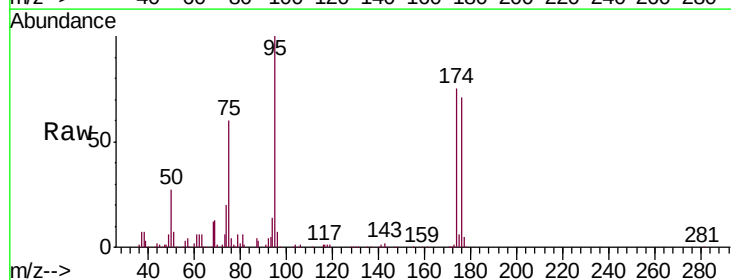
Tgt Ion: 95 Resp: 192755

Ion Ratio Lower Upper

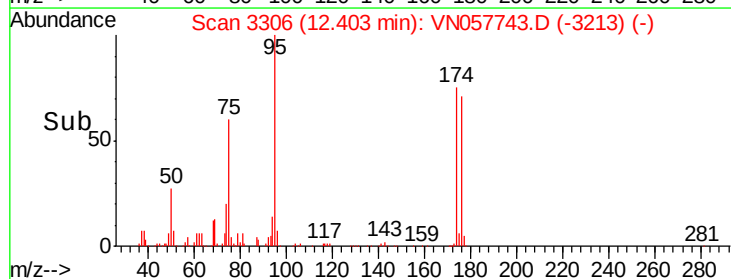
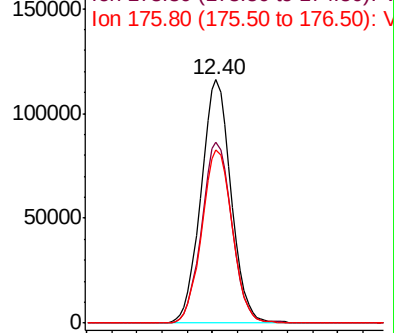
95 100

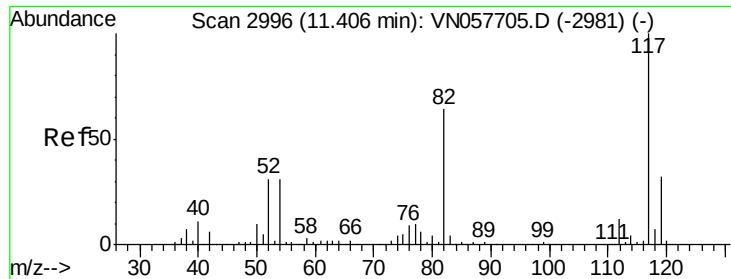
174 74.8 0.0 128.0

176 72.3 0.0 128.0



Abundance Ion 94.90 (94.60 to 95.60): VN057705.D (-3291) (-)

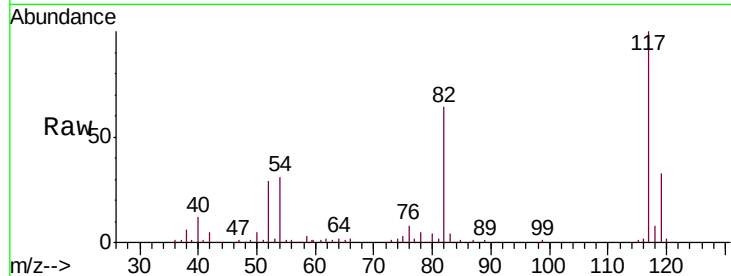




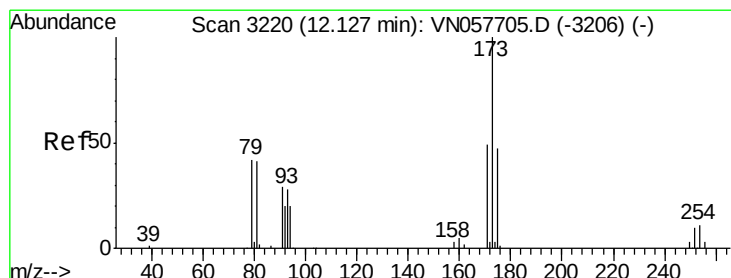
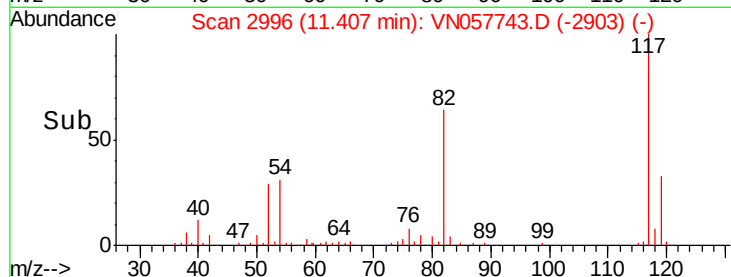
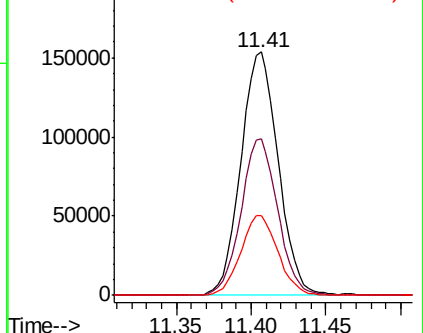
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057743.D
Acq: 7 Sep 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :
TB-02-090619

Tgt Ion:117 Resp: 267487
Ion Ratio Lower Upper
117 100
82 64.1 51.4 77.0
119 33.0 25.4 38.2

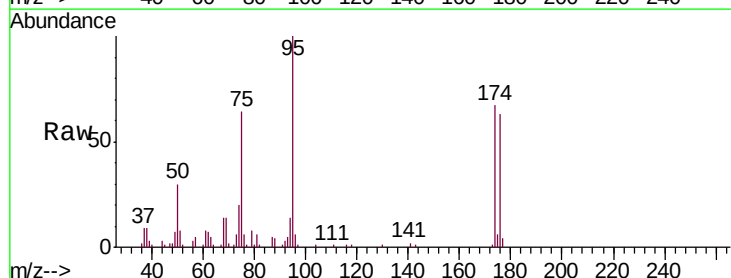


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

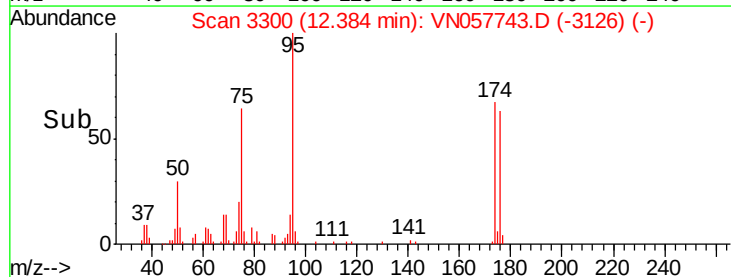
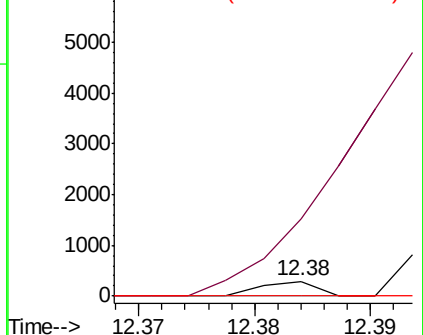


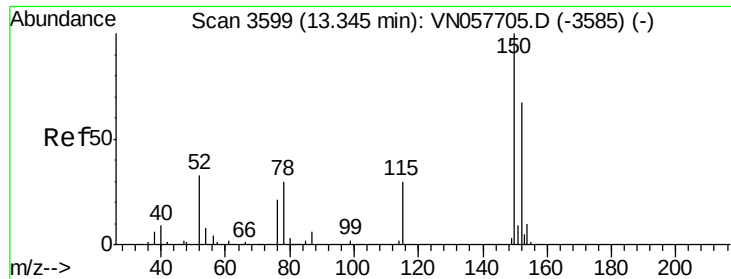
#71
Bromoform
Concen: 3.292 ug/l
RT: 12.38 min Scan# 3300
Delta R.T. 0.26 min
Lab File: VN057743.D
Acq: 7 Sep 2019 11:26

Tgt Ion:173 Resp: 98
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
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: VN057743.D

Acq: 7 Sep 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

TB-02-090619

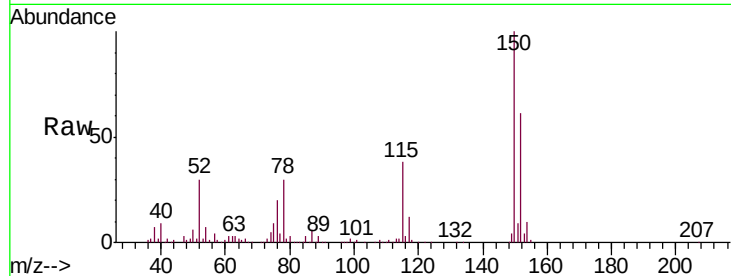
Tgt Ion:152 Resp: 141959

Ion Ratio Lower Upper

152 100

115 64.3 33.8 101.3

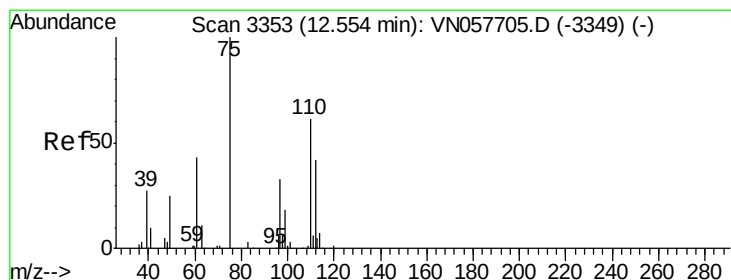
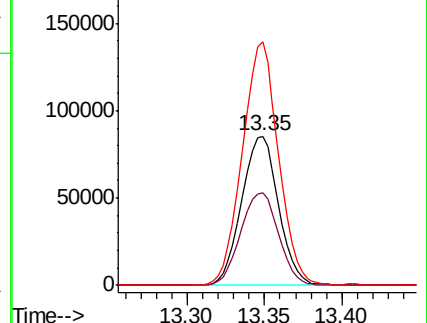
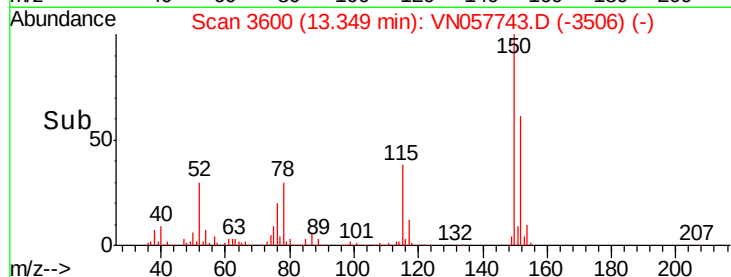
150 159.7 0.0 345.4



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: 35.972 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057743.D

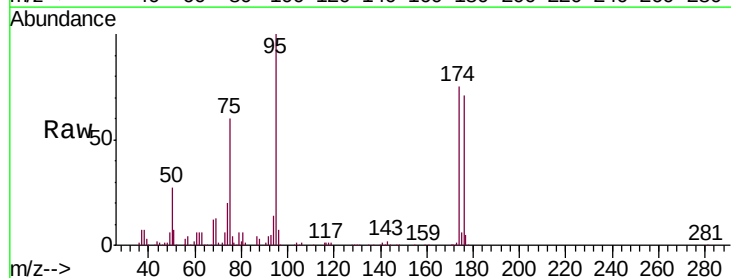
Acq: 7 Sep 2019 11:26

Tgt Ion: 75 Resp: 117264

Ion Ratio Lower Upper

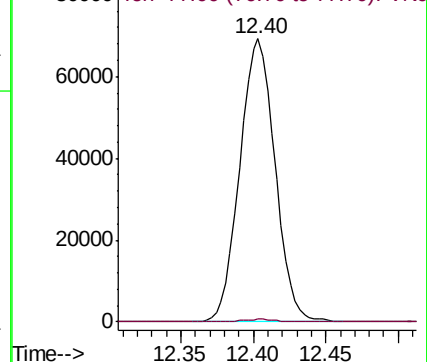
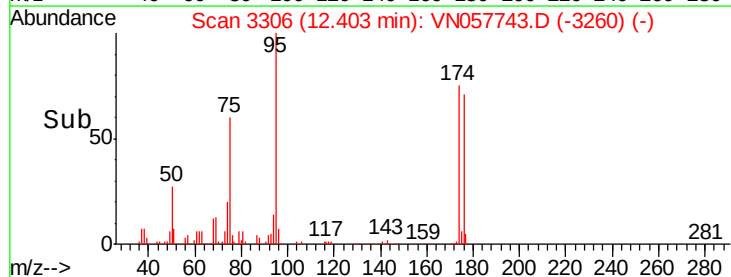
75 100

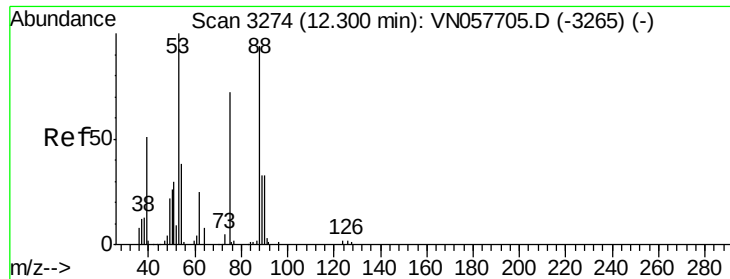
77 0.8 0.0 0.0#



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: 111.872 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057743.D

Acq: 7 Sep 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

TB-02-090619

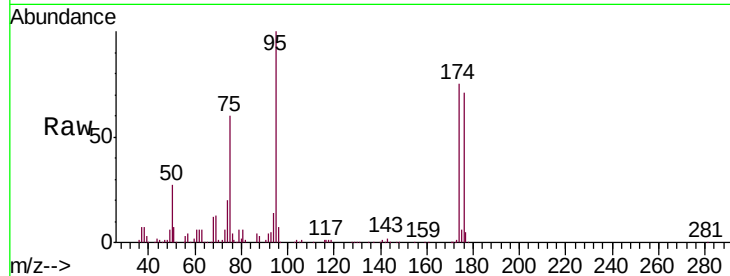
Tgt Ion: 75 Resp: 117264

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

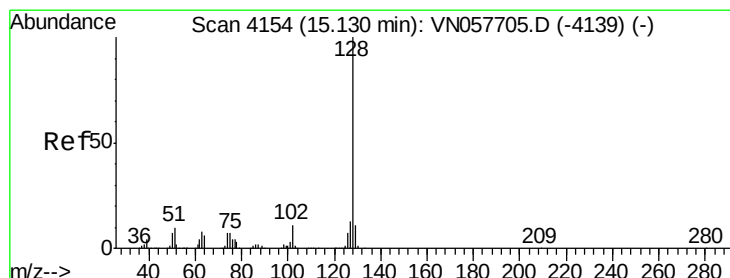
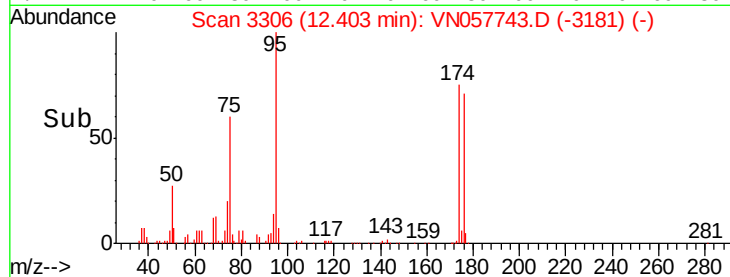
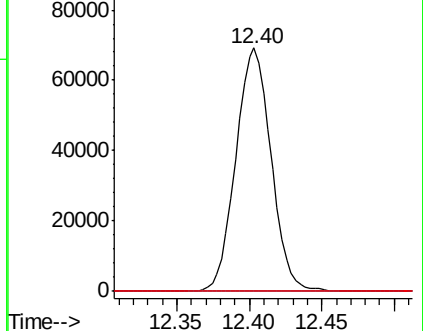
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN057743.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN057743.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN057743.D (-3181) (-)



#95

Naphthalene

Concen: 0.220 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057743.D

Acq: 7 Sep 2019 11:26

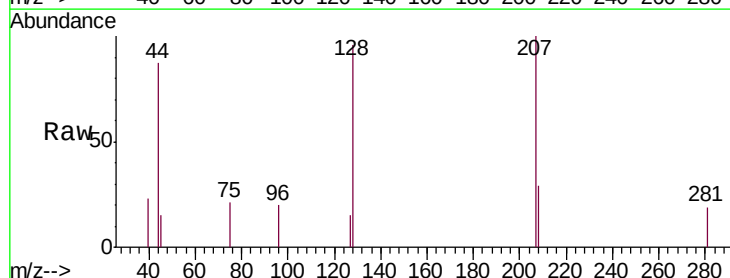
Tgt Ion: 128 Resp: 1920

Ion Ratio Lower Upper

128 100

127 8.4 10.6 15.8#

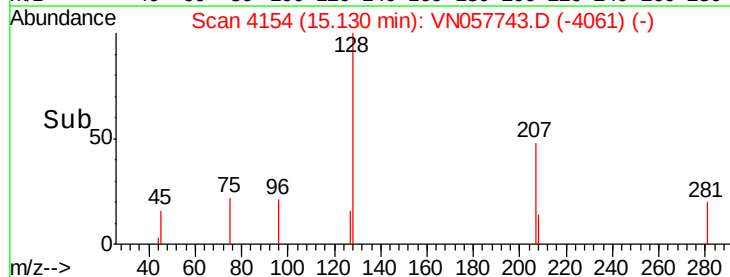
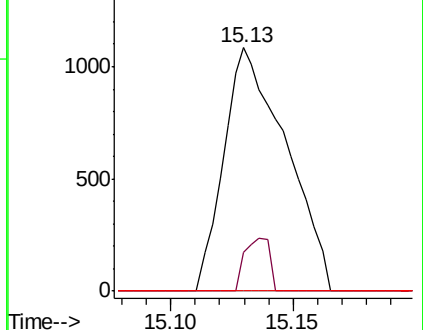
129 0.0 8.4 12.6#

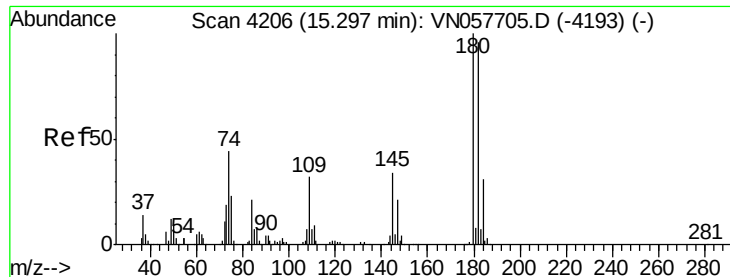


Abundance Ion 128.00 (127.70 to 128.70): VN057743.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN057743.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN057743.D (-4061) (-)





#96
 1,2,3-Trichlorobenzene
 Concen: 0.238 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. -0.00 min
 Lab File: VN057743.D
 Acq: 7 Sep 2019 11:26

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-02-090619

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	47.0	141.2
145	0.0	17.5	52.6

