

Data File : VN057753.D
Acq On : 7 Sep 2019 15:07
Operator : JC/SP
Sample : K4581-24
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-C3-(0)

Quant Time: Sep 08 06:35:10 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	203965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	332474	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	303065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	157562	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	233624	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	7.58	113	143789	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.09	98	540017	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.40	95	200641	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	

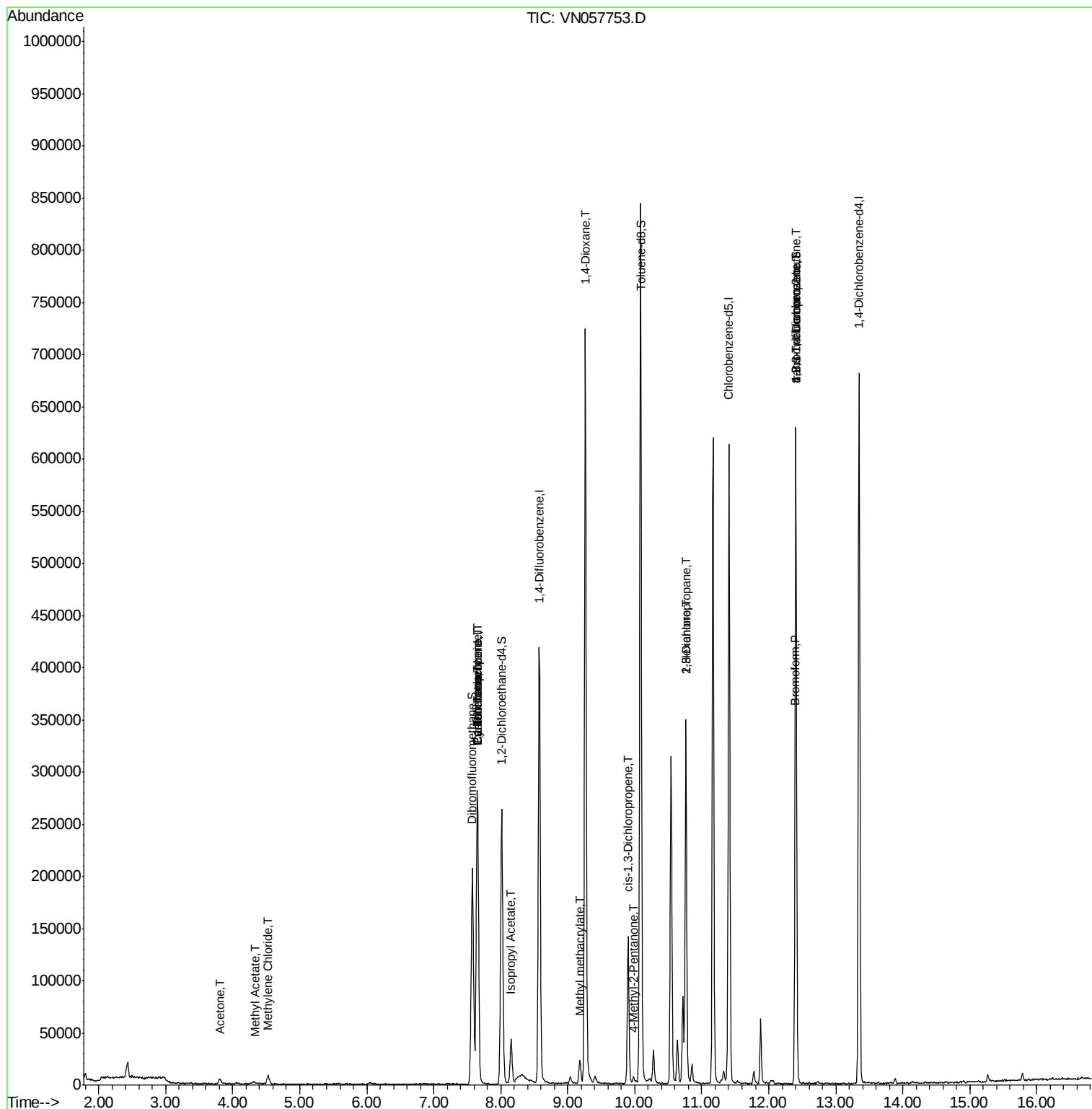
Target Compounds			Qvalue			
3) Chloromethane	2.03	50	863	Below Cal	#	85
16) Acetone	3.80	43	8155	5.341	ug/l	95
18) Methyl Acetate	4.33	43	4566	1.100	ug/l #	58
20) Methylene Chloride	4.53	84	4444	1.346	ug/l	93
31) Cyclohexane	7.65	56	6174	1.109	ug/l #	41
36) 1,1-Dichloropropene	7.65	75	19425	4.392	ug/l #	52
38) Carbon Tetrachloride	7.65	117	22484	5.309	ug/l #	17
43) Isopropyl Acetate	8.15	43	51950	6.164	ug/l	100
48) Methyl methacrylate	9.18	41	3571	0.824	ug/l #	16
49) 1,4-Dioxane	9.26	88	62	1.229	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	3326	0.711	ug/l #	81
54) cis-1,3-Dichloropropene	9.90	75	22329	4.319	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	3345	0.610	ug/l #	43
59) 2-Hexanone	10.76	43	56826	17.216	ug/l #	59
71) Bromoform	12.38	173	71	3.274	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	121396	33.551	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	121396	104.345	ug/l #	1

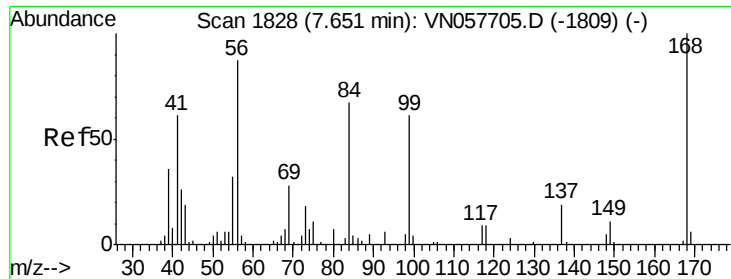
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

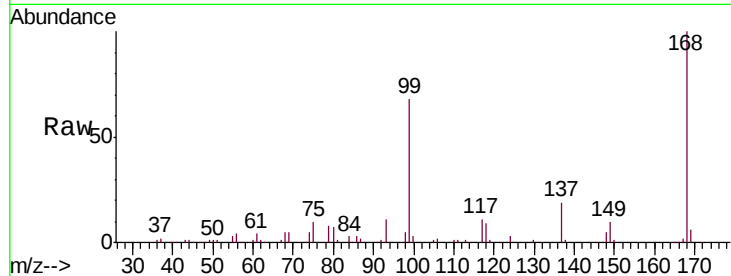
T12-C3-(0)

Tgt Ion:168 Resp: 203965

Ion Ratio Lower Upper

168 100

99 67.8 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

80000

60000

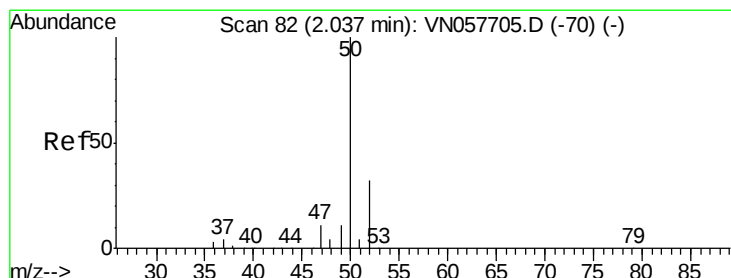
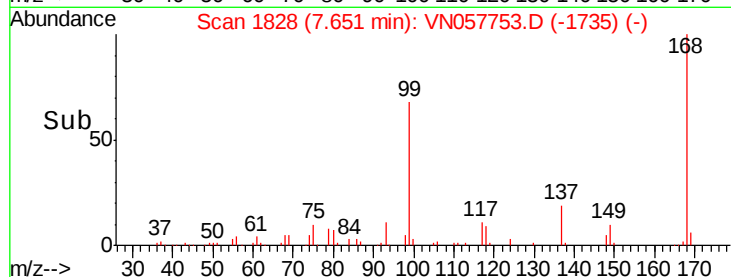
40000

20000

0

Time-->

7.60 7.70



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.01 min

Lab File: VN057753.D

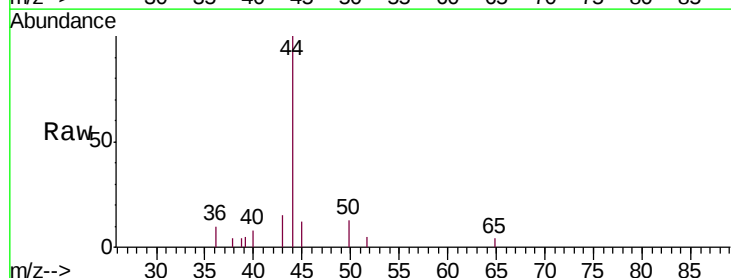
Acq: 7 Sep 2019 15:07

Tgt Ion: 50 Resp: 863

Ion Ratio Lower Upper

50 100

52 41.1 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

500

400

300

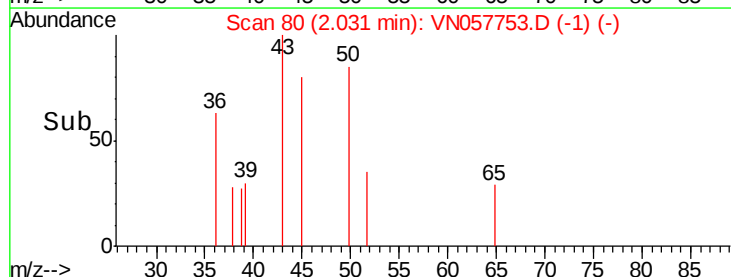
200

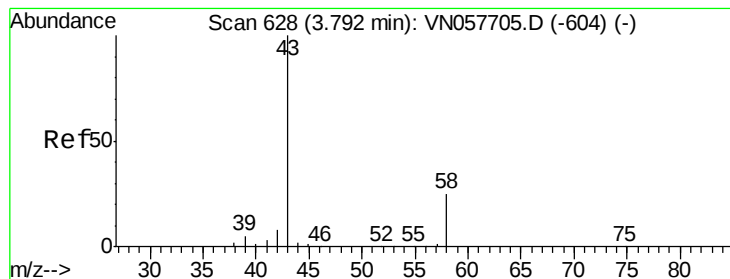
100

0

Time-->

2.00 2.05





#16

Acetone

Concen: 5.341 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

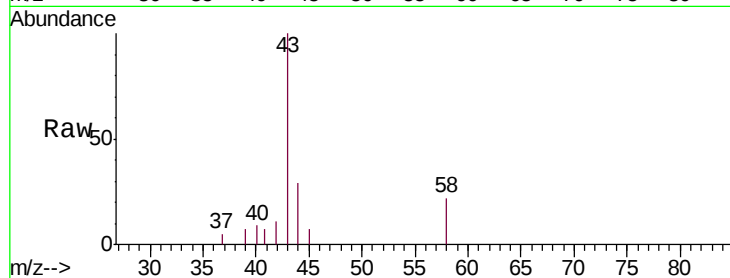
T12-C3-(0)

Tgt Ion: 43 Resp: 8155

Ion Ratio Lower Upper

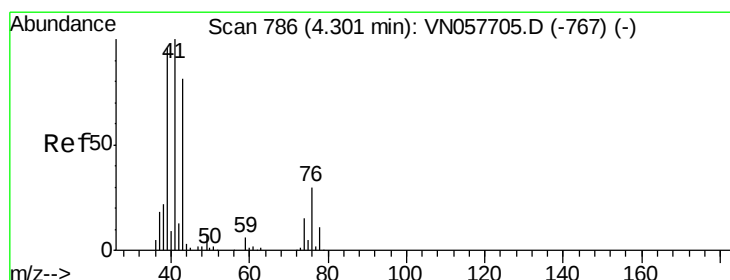
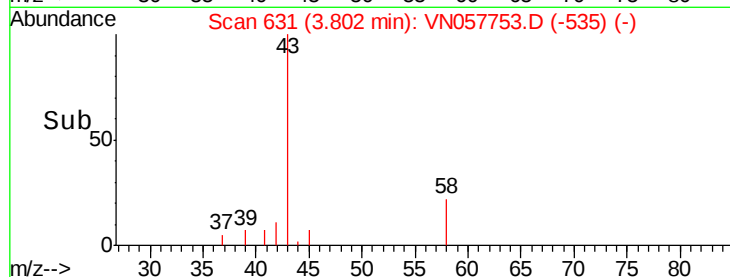
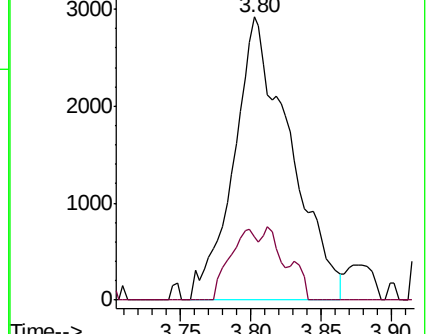
43 100

58 22.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-604) (-)

Ion 58.00 (57.70 to 58.70): VN057705.D (-604) (-)



#18

Methyl Acetate

Concen: 1.100 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.03 min

Lab File: VN057753.D

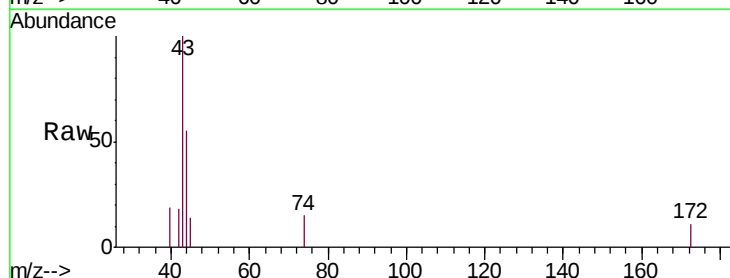
Acq: 7 Sep 2019 15:07

Tgt Ion: 43 Resp: 4566

Ion Ratio Lower Upper

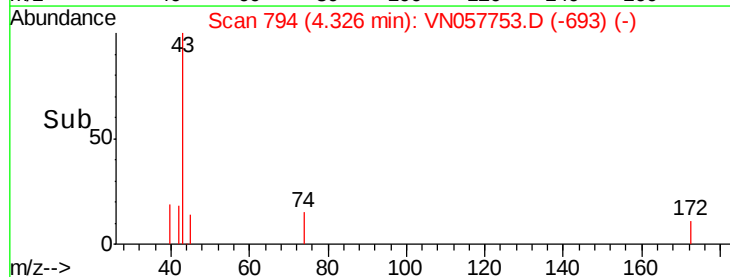
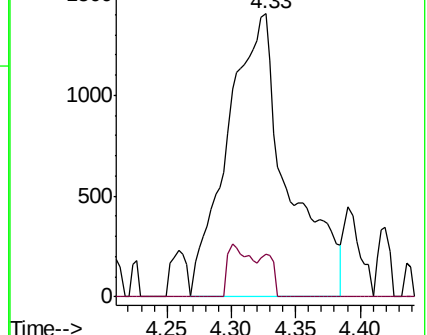
43 100

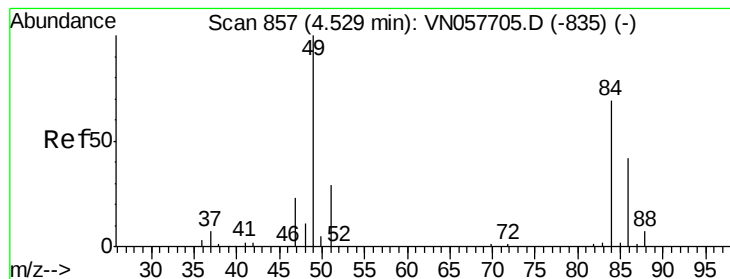
74 0.0 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-767) (-)

Ion 74.00 (73.70 to 74.70): VN057705.D (-767) (-)





#20

Methylene Chloride

Concen: 1.346 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.00 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

T12-C3-(0)

Tgt Ion: 84 Resp: 4444

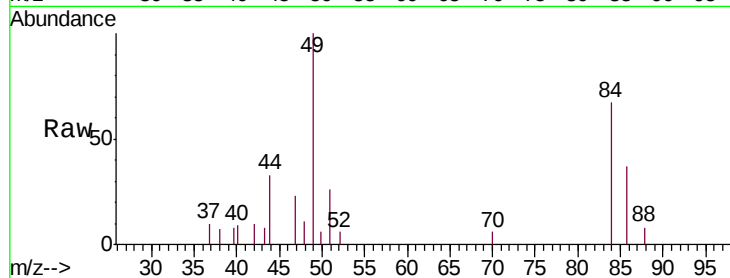
Ion Ratio Lower Upper

84 100

49 135.2 115.0 172.6

51 38.2 33.8 50.8

86 55.6 48.2 72.2

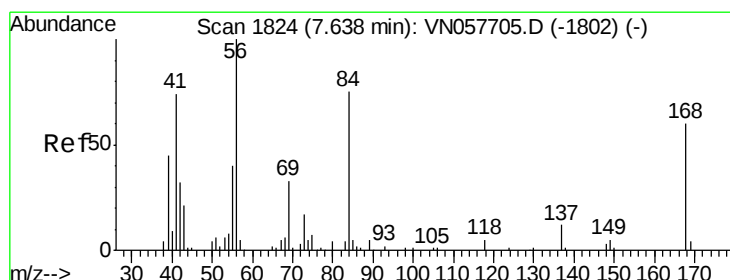
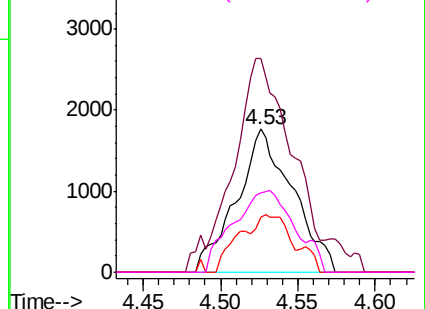
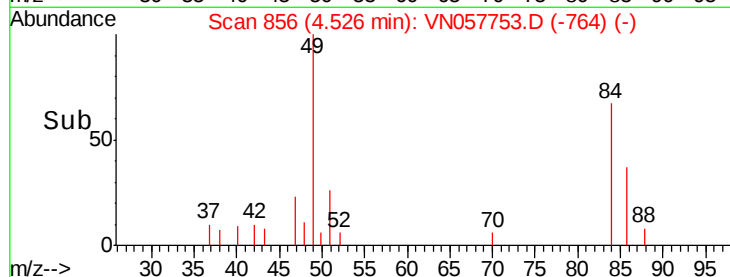


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

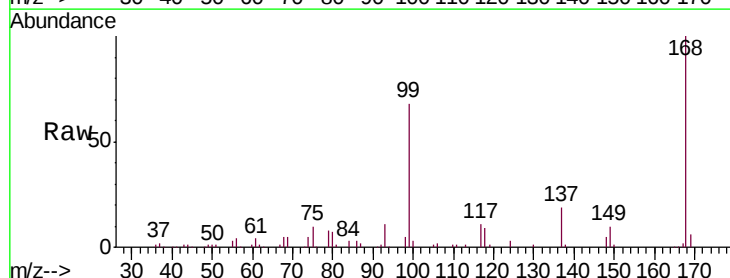
Tgt Ion: 56 Resp: 6174

Ion Ratio Lower Upper

56 100

69 136.3 26.2 39.2#

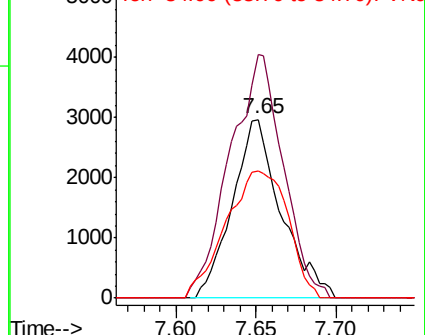
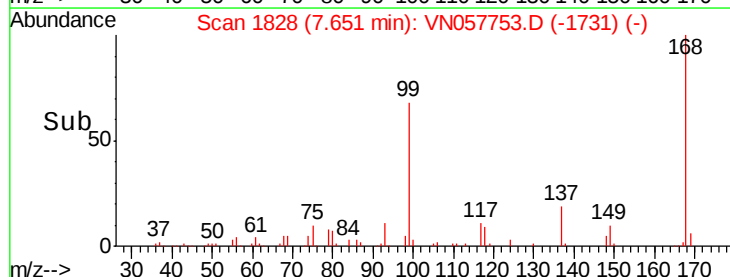
84 71.1 59.8 89.8

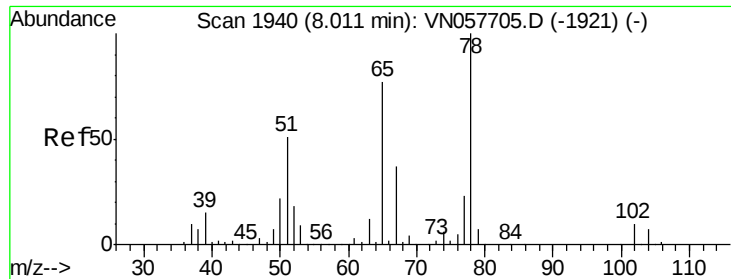


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

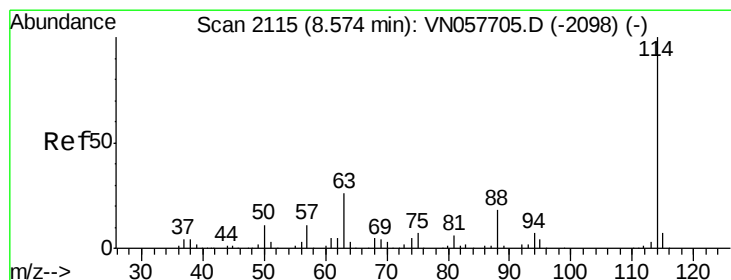
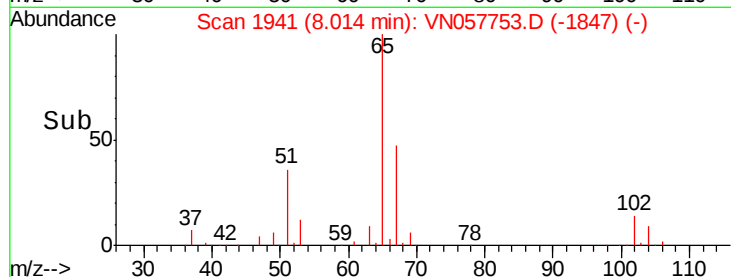
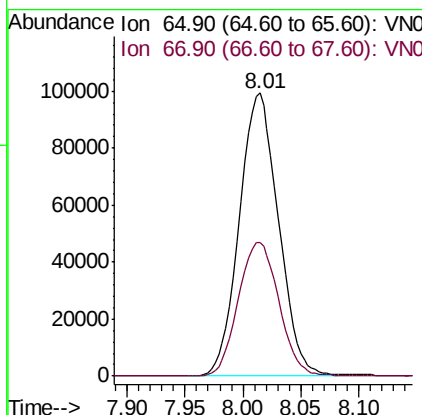
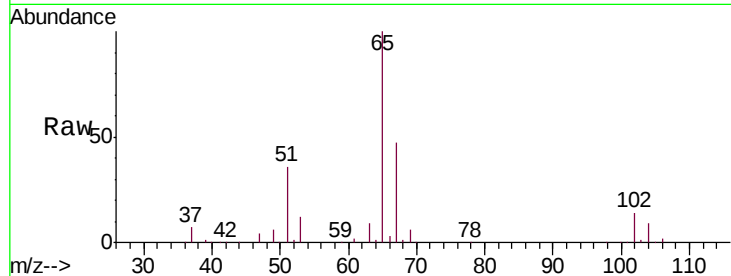




#33
 1,2-Dichloroethane-d4
 Concen: 47.084 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057753.D
 Acq: 7 Sep 2019 15:07

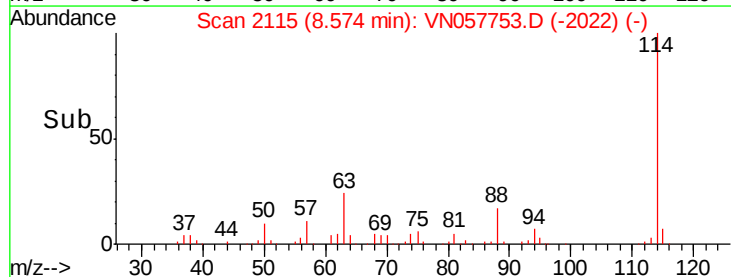
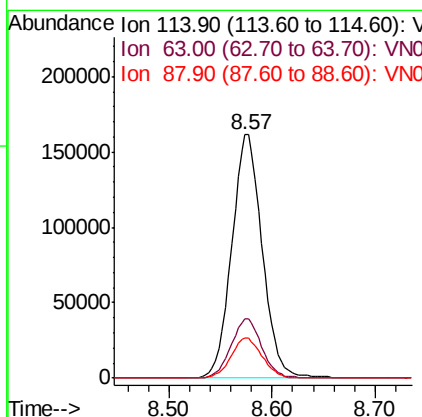
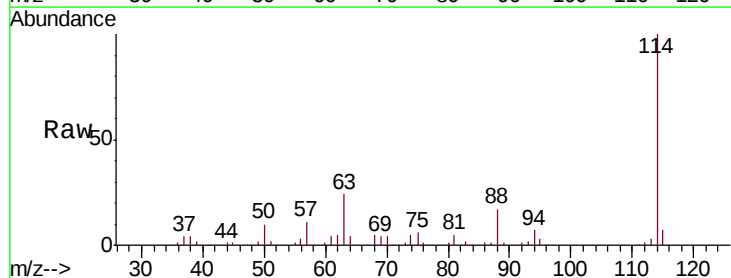
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C3-(0)

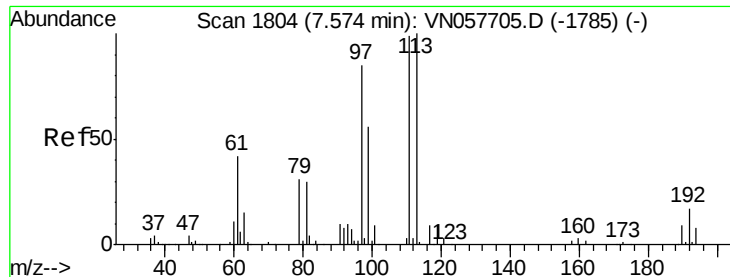
Tgt Ion: 65 Resp: 233624
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057753.D
 Acq: 7 Sep 2019 15:07

Tgt Ion: 114 Resp: 332474
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 52.4
 88 16.5 0.0 35.4





#35

Dibromofluoromethane

Concen: 47.481 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

T12-C3-(0)

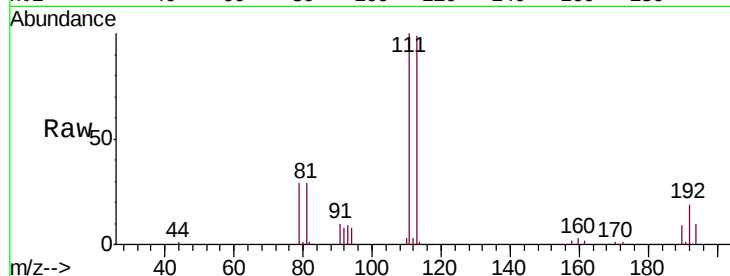
Tgt Ion:113 Resp: 143789

Ion Ratio Lower Upper

113 100

111 102.9 82.7 124.1

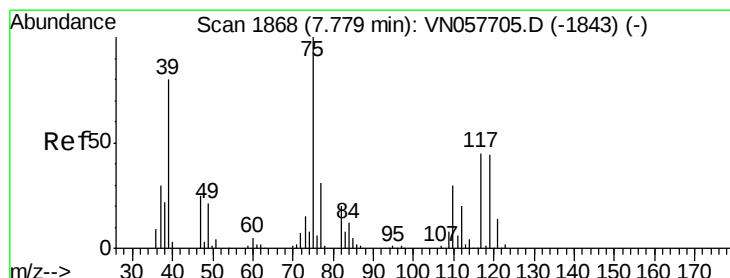
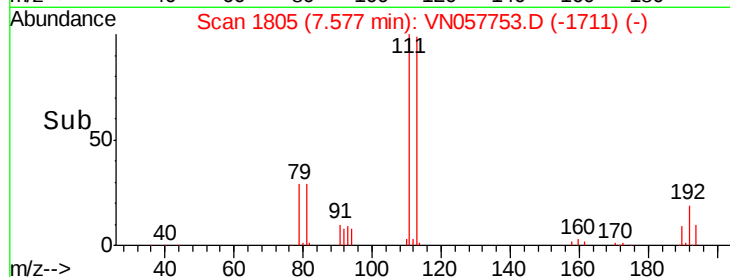
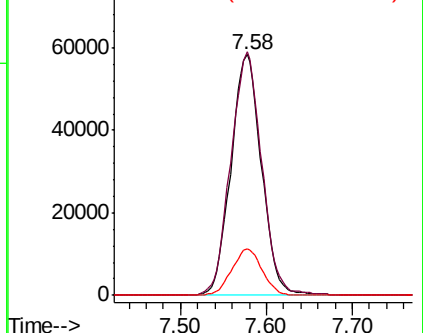
192 19.2 13.8 20.6



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: 4.392 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

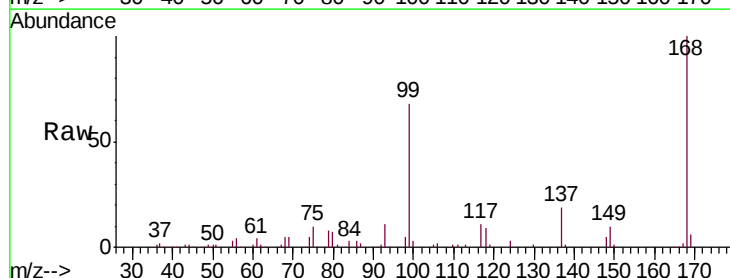
Tgt Ion: 75 Resp: 19425

Ion Ratio Lower Upper

75 100

110 9.1 15.0 45.0#

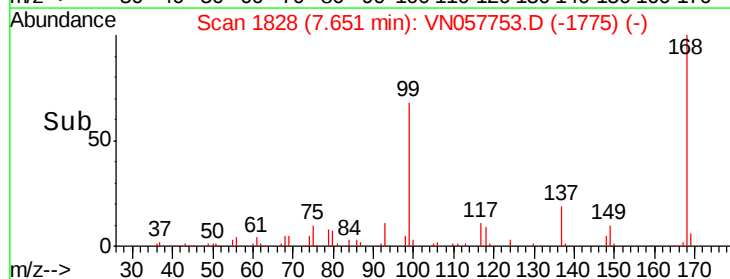
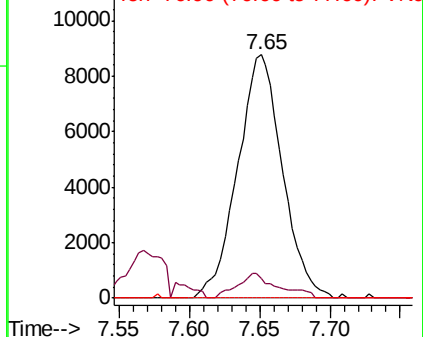
77 0.0 24.6 37.0#

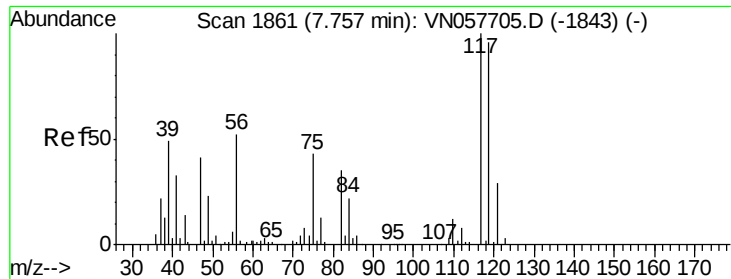


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.309 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

T12-C3-(0)

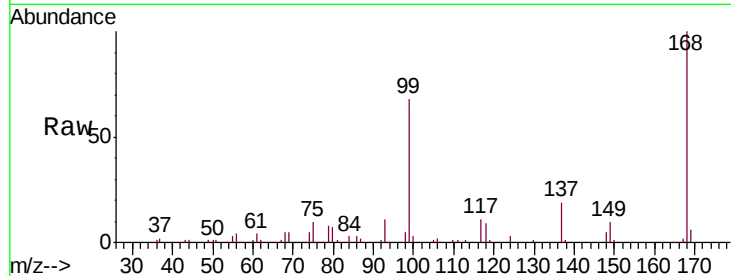
Tgt Ion:117 Resp: 22484

Ion Ratio Lower Upper

117 100

119 6.4 76.1 114.1#

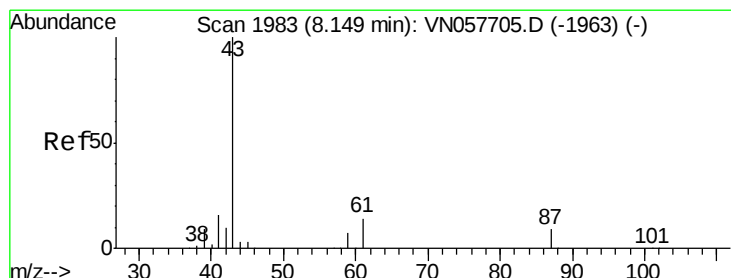
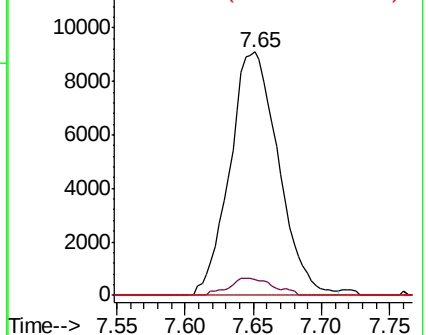
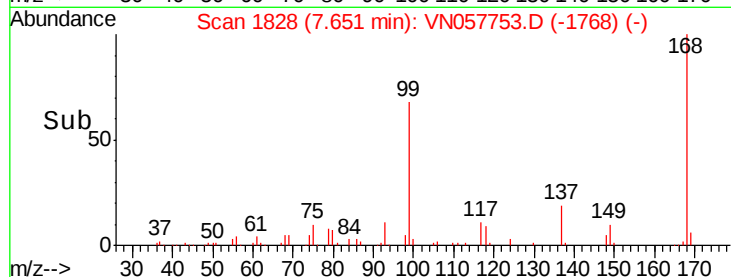
121 0.0 23.4 35.2#



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: 6.164 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

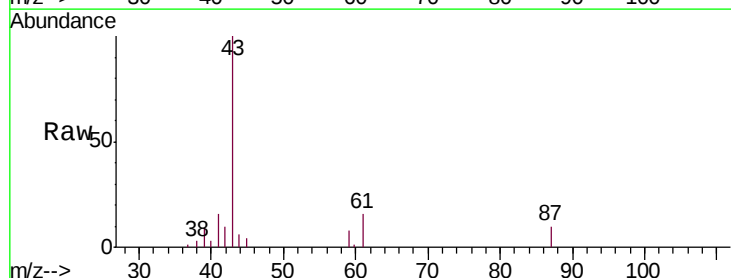
Tgt Ion: 43 Resp: 51950

Ion Ratio Lower Upper

43 100

61 16.0 12.8 19.2

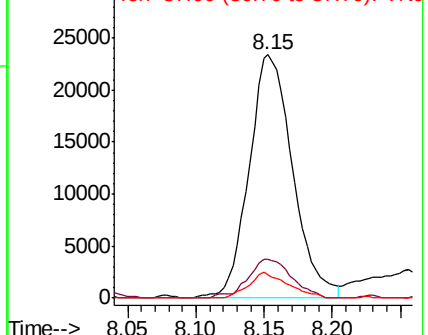
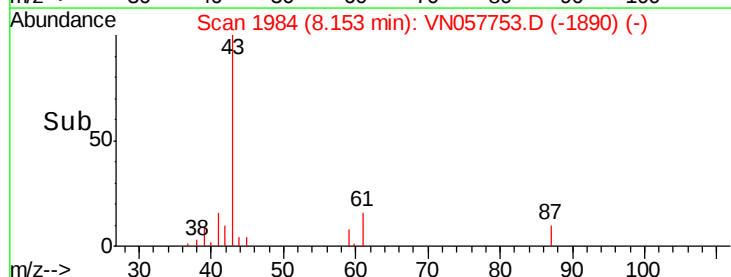
87 9.6 7.8 11.8

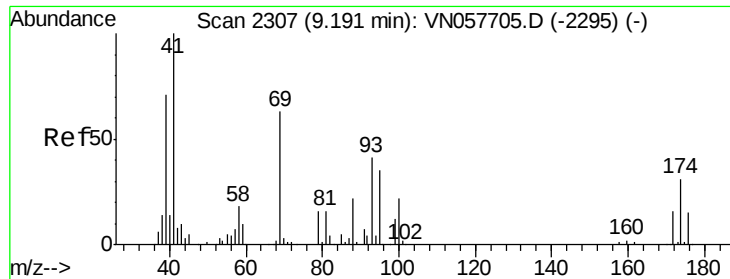


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

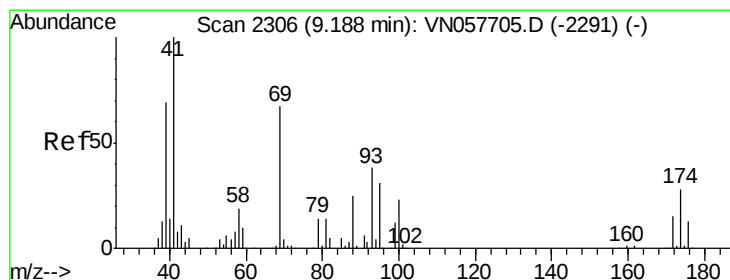
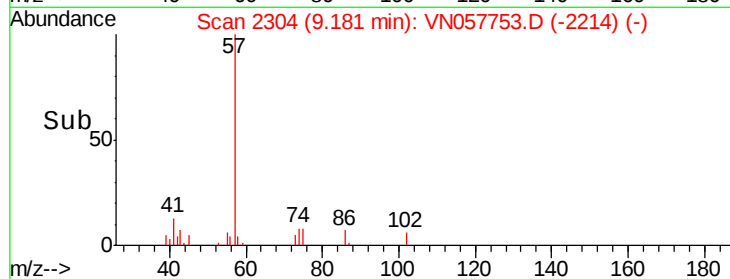
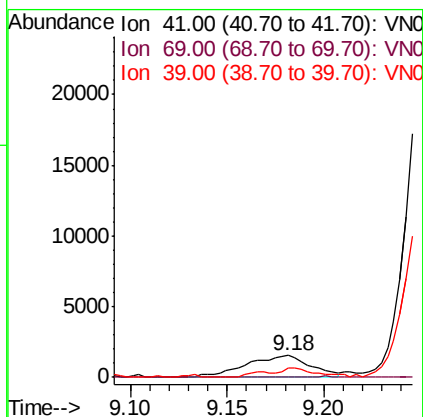
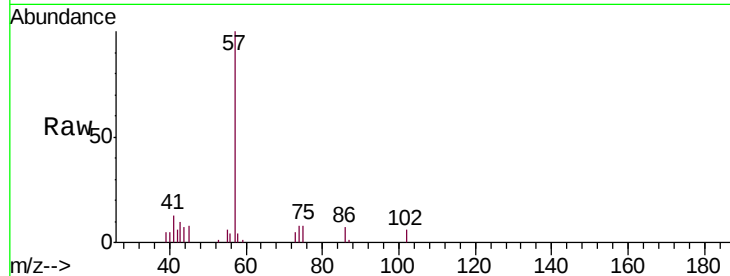




#48
Methyl methacrylate
Concen: 0.824 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VN057753.D
Acq: 7 Sep 2019 15:07

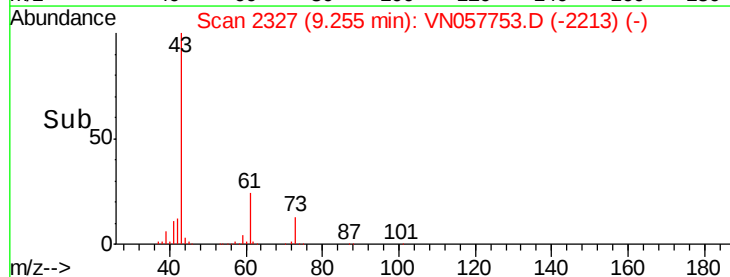
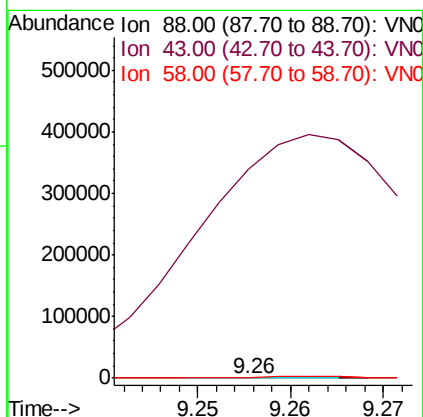
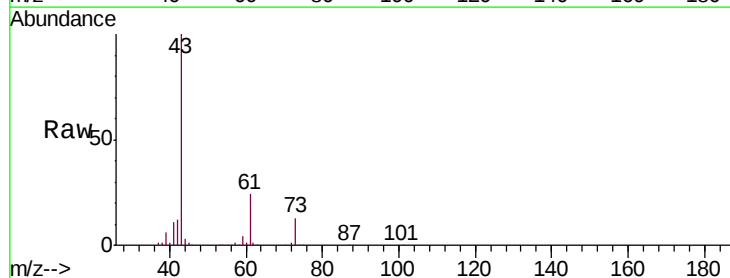
Instrument :
MSVOA_N
ClientSampleId :
T12-C3-(0)

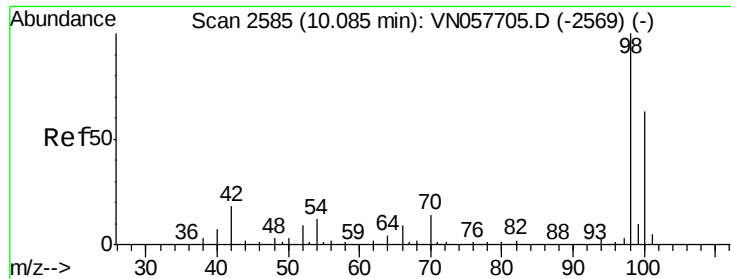
Tgt Ion: 41 Resp: 3571
Ion Ratio Lower Upper
41 100
69 0.9 51.2 76.8#
39 0.0 57.3 85.9#



#49
1,4-Dioxane
Concen: 1.229 ug/l
RT: 9.26 min Scan# 2327
Delta R.T. 0.07 min
Lab File: VN057753.D
Acq: 7 Sep 2019 15:07

Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 1190001.6 35.4 53.2#
58 5646.8 61.5 92.3#





#50

Toluene-d8

Concen: 48.205 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

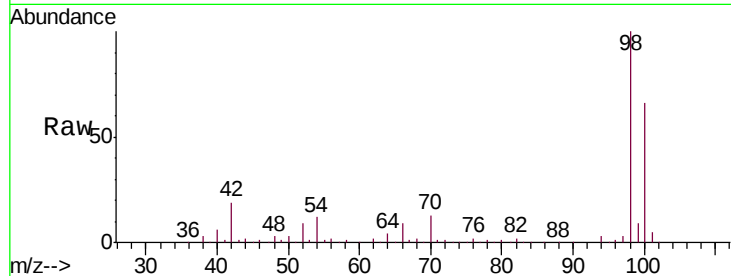
T12-C3-(0)

Tgt Ion: 98 Resp: 540017

Ion Ratio Lower Upper

98 100

100 64.0 50.7 76.1



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

Ion 100.00 (99.70 to 100.70): VN057705.D (-2569) (-)

10.09

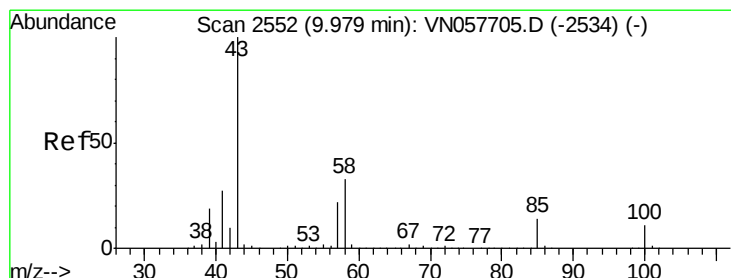
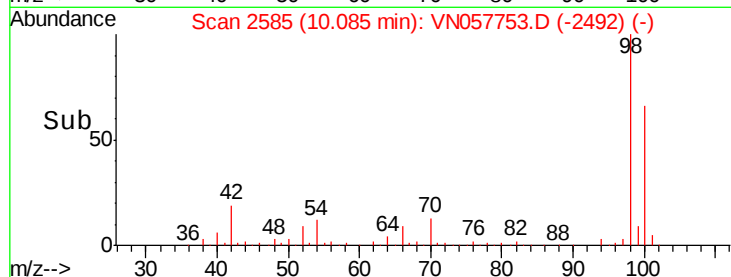
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.711 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057753.D

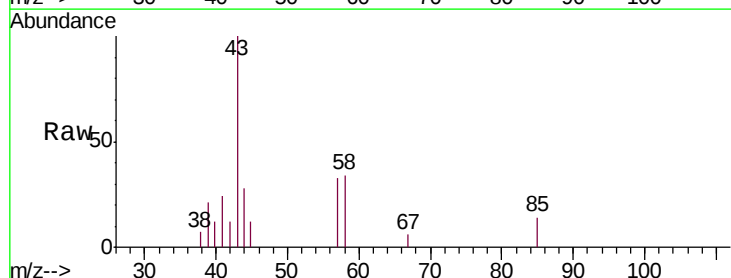
Acq: 7 Sep 2019 15:07

Tgt Ion: 43 Resp: 3326

Ion Ratio Lower Upper

43 100

58 42.8 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057705.D (-2534) (-)

9.98

5000

4000

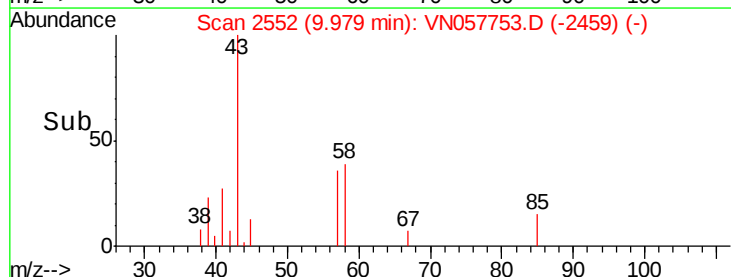
3000

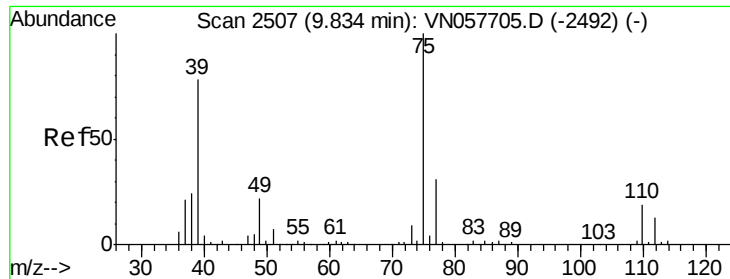
2000

1000

0

Time-->



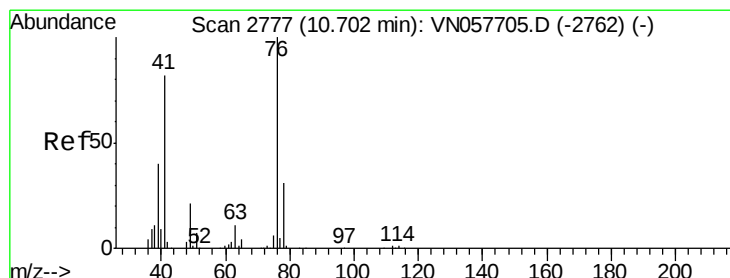
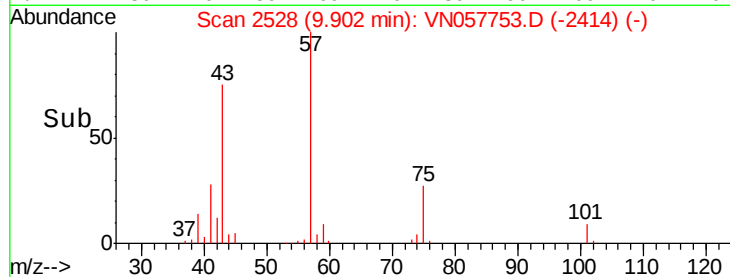
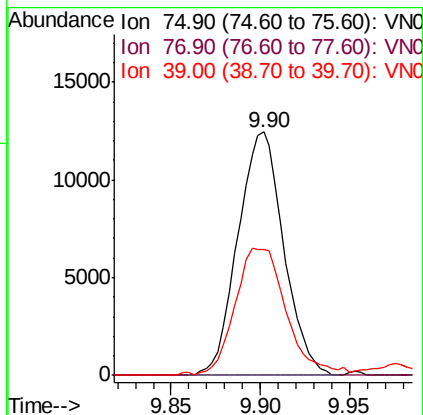
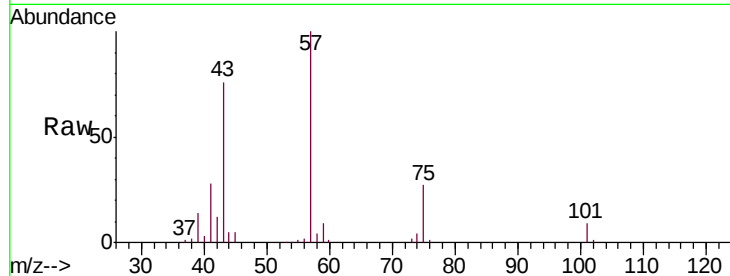


#54

cis-1,3-Dichloropropene
 Concen: 4.319 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057753.D
 Acq: 7 Sep 2019 15:07

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C3-(0)

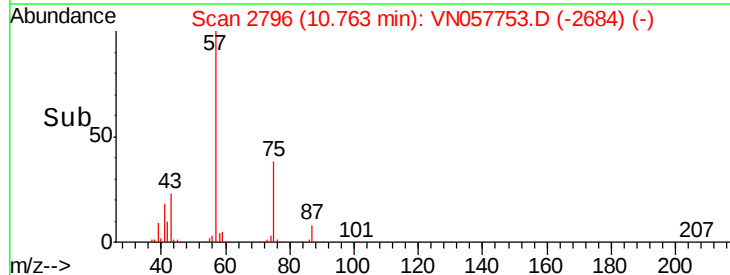
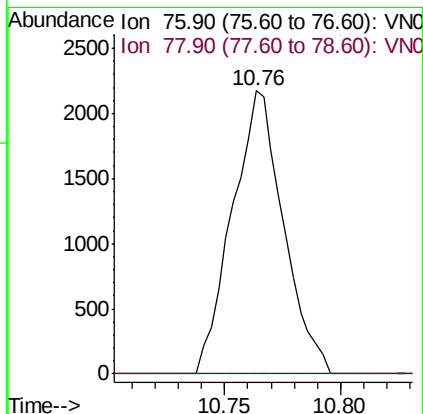
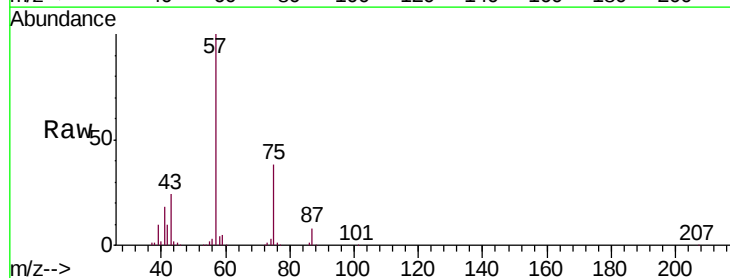
Tgt Ion: 75 Resp: 22329
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 50.4 62.4 93.6#

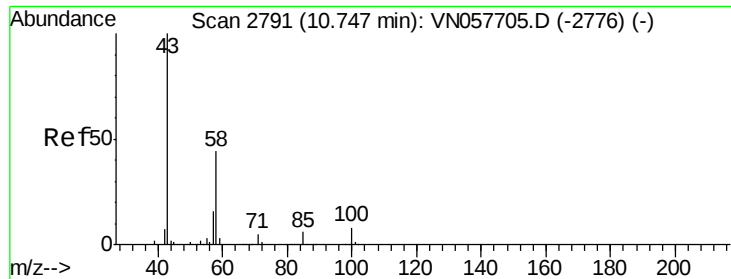


#57

1,3-Dichloropropane
 Concen: 0.610 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN057753.D
 Acq: 7 Sep 2019 15:07

Tgt Ion: 76 Resp: 3345
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

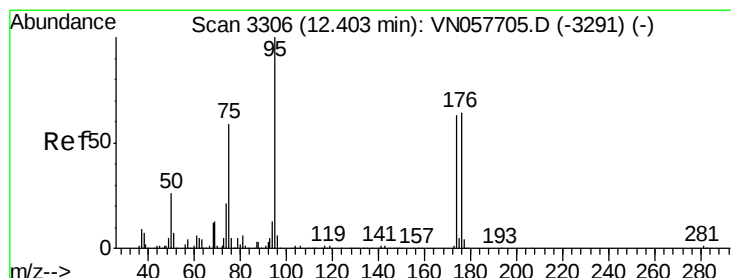
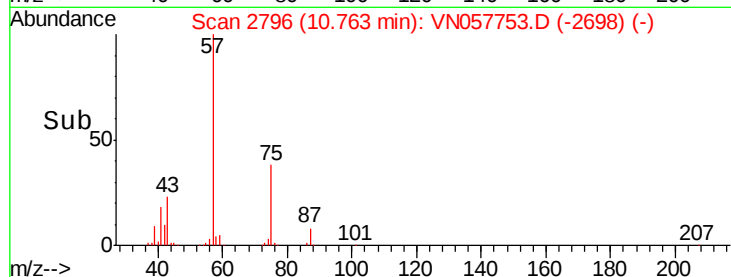
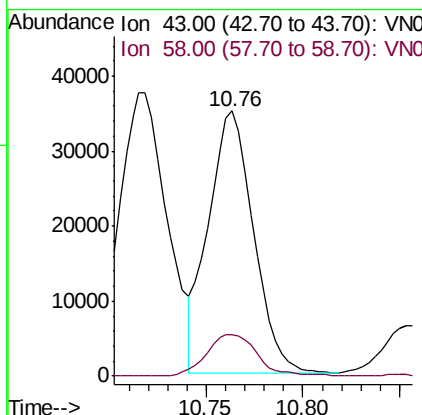
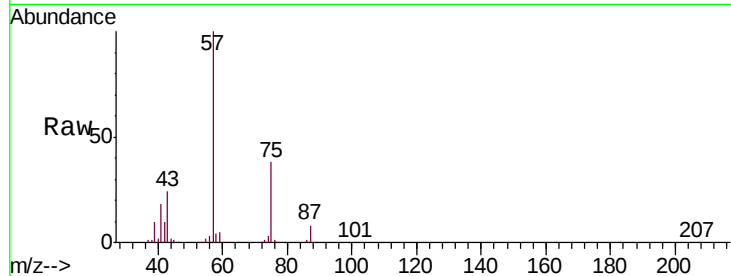




#59
2-Hexanone
Concen: 17.216 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057753.D
Acq: 7 Sep 2019 15:07

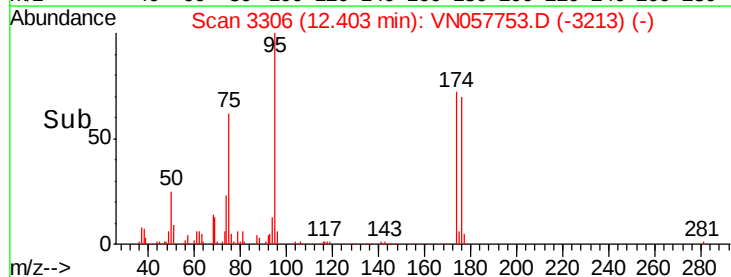
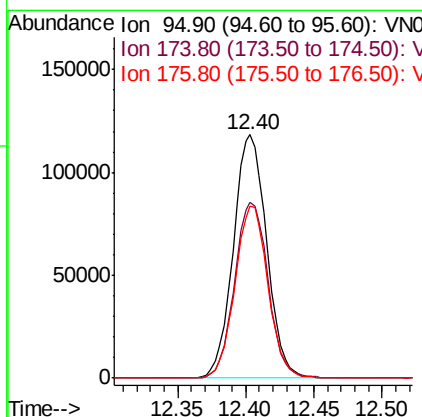
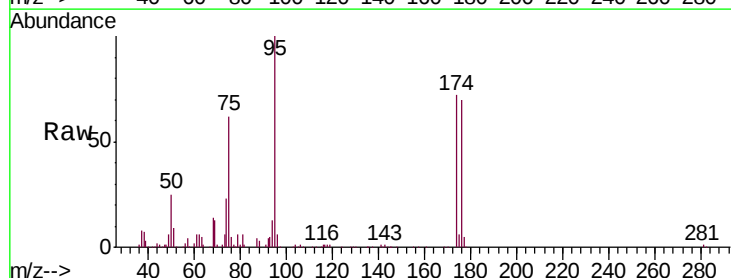
Instrument :
MSVOA_N
ClientSampleId :
T12-C3-(0)

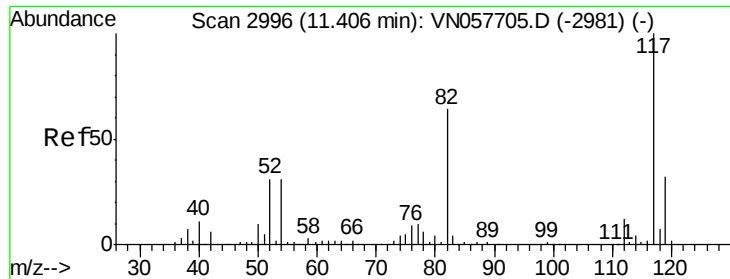
Tgt Ion: 43 Resp: 56826
Ion Ratio Lower Upper
43 100
58 17.9 22.1 66.5#



#62
4-Bromofluorobenzene
Concen: 43.121 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057753.D
Acq: 7 Sep 2019 15:07

Tgt Ion: 95 Resp: 200641
Ion Ratio Lower Upper
95 100
174 72.7 0.0 128.0
176 69.9 0.0 128.0

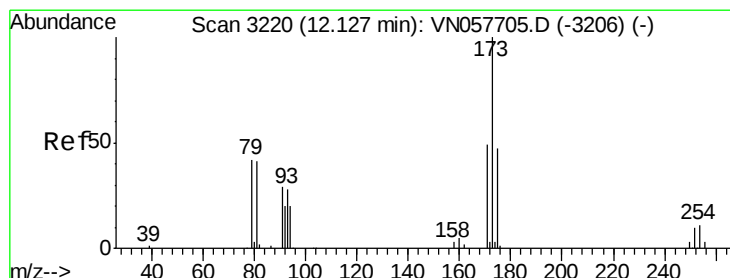
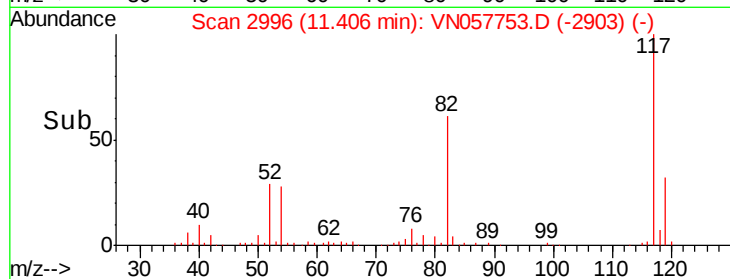
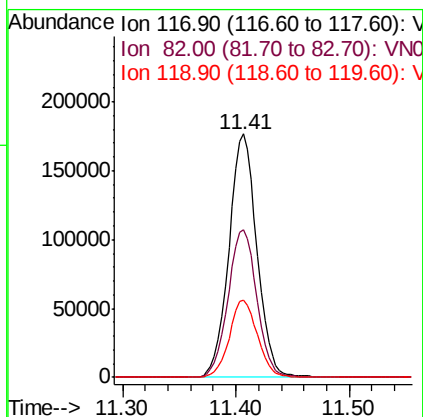
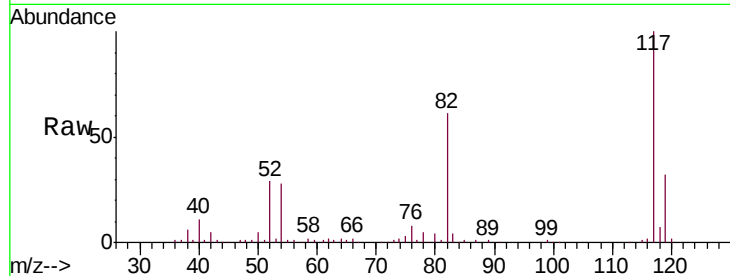




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057753.D
Acq: 7 Sep 2019 15:07

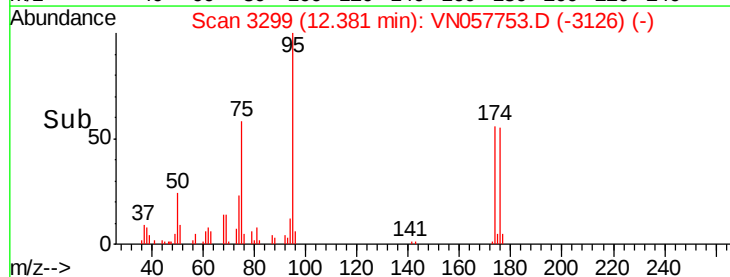
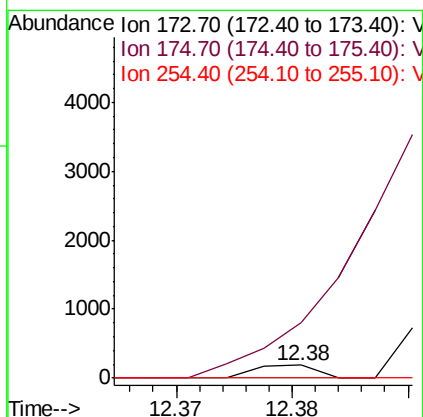
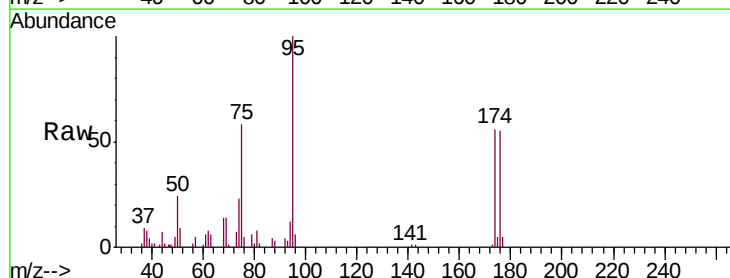
Instrument :
MSVOA_N
ClientSampleId :
T12-C3-(0)

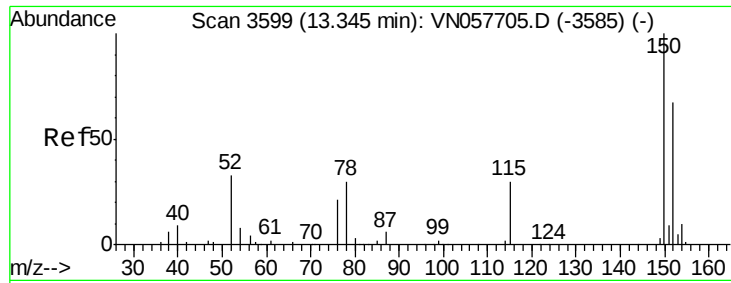
Tgt Ion:117 Resp: 303065
Ion Ratio Lower Upper
117 100
82 60.7 51.4 77.0
119 31.8 25.4 38.2



#71
Bromoform
Concen: 3.274 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.25 min
Lab File: VN057753.D
Acq: 7 Sep 2019 15:07

Tgt Ion:173 Resp: 71
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

T12-C3-(0)

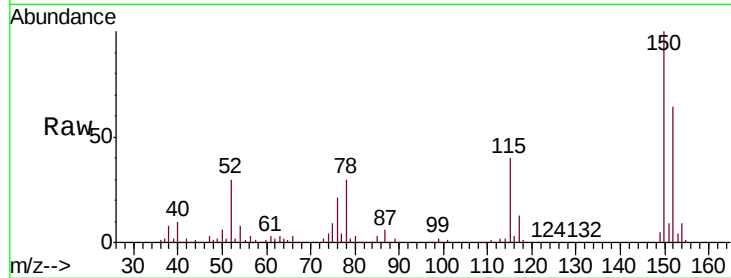
Tgt Ion:152 Resp: 157562

Ion Ratio Lower Upper

152 100

115 63.9 33.8 101.3

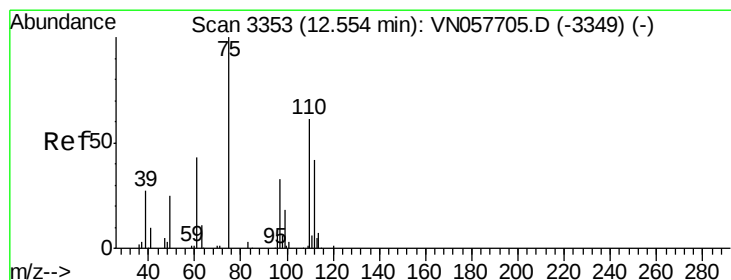
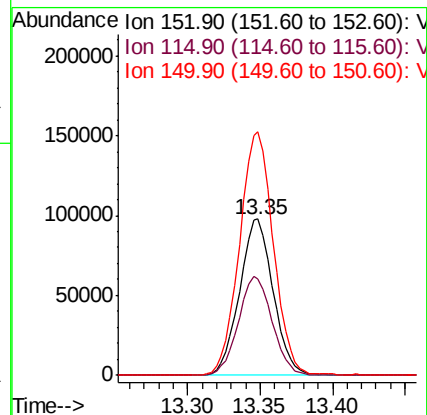
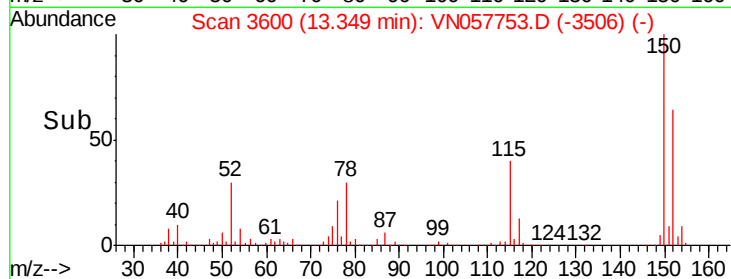
150 157.1 0.0 345.4



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: 33.551 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057753.D

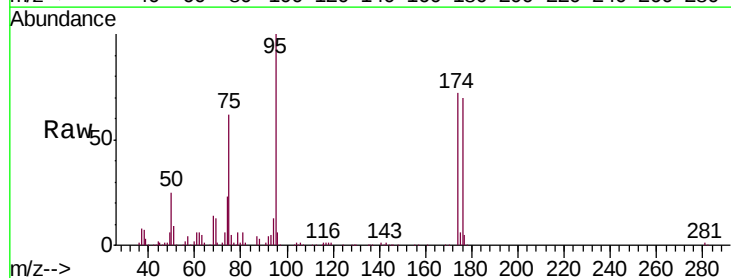
Acq: 7 Sep 2019 15:07

Tgt Ion: 75 Resp: 121396

Ion Ratio Lower Upper

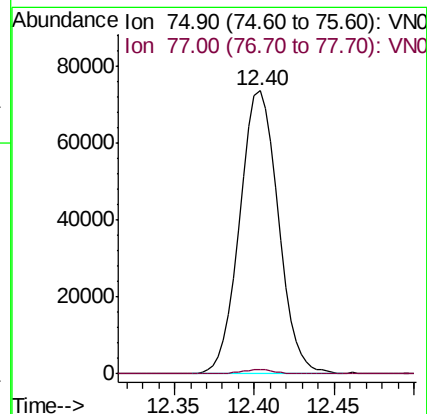
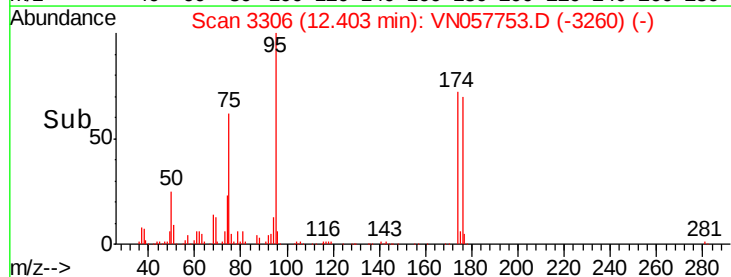
75 100

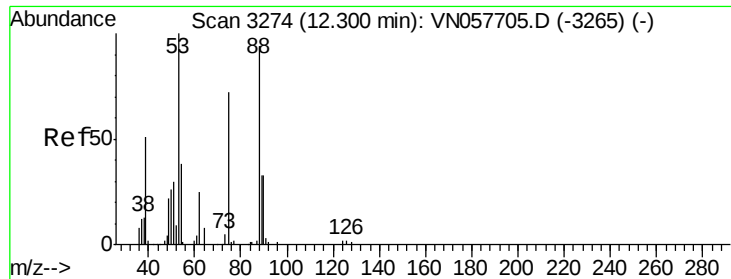
77 1.3 0.0 0.0#



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: 104.345 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057753.D

Acq: 7 Sep 2019 15:07

Instrument :

MSVOA_N

ClientSampleId :

T12-C3-(0)

Tgt Ion: 75 Resp: 121396

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

