

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
 Data File : VN057725.D
 Acq On : 6 Sep 2019 20:05
 Operator : JC/SP
 Sample : K4580-24
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-B1-(0)

Quant Time: Sep 06 23:27:23 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	198381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	335021	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	304715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	157020	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	252154	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	7.57	113	148193	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
50) Toluene-d8	10.08	98	576374	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.40	95	217042	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	

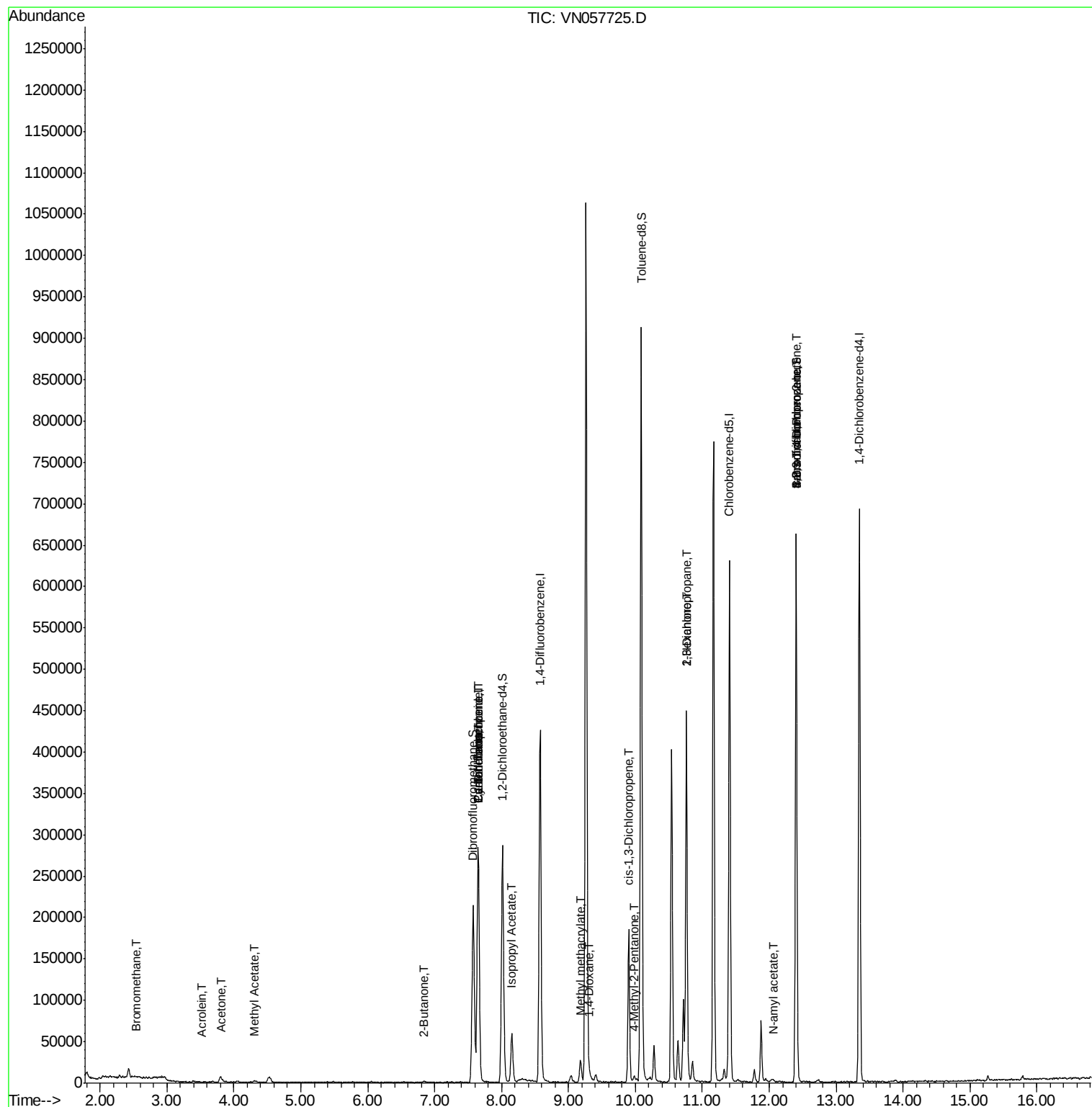
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1210	Below Cal		96
5) Bromomethane	2.55	94	264	0.211	ug/l #	3
13) Acrolein	3.52	56	58	0.222	ug/l #	15
16) Acetone	3.81	43	11687	7.869	ug/l	94
18) Methyl Acetate	4.31	43	1750	0.433	ug/l	100
25) 2-Butanone	6.83	43	2758	1.297	ug/l #	55
31) Cyclohexane	7.65	56	7156	1.321	ug/l #	40
36) 1,1-Dichloropropene	7.65	75	21250	4.768	ug/l #	52
38) Carbon Tetrachloride	7.65	117	23379	5.478	ug/l #	16
43) Isopropyl Acetate	8.15	43	71445	8.412	ug/l	97
48) Methyl methacrylate	9.17	41	4424	1.013	ug/l #	16
49) 1,4-Dioxane	9.31	88	58	1.141	ug/l #	19
51) 4-Methyl-2-Pentanone	9.98	43	5390	1.143	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	27097	5.201	ug/l #	66
57) 1,3-Dichloropropane	10.76	76	4143	0.750	ug/l #	43
59) 2-Hexanone	10.76	43	75822	22.797	ug/l #	58
71) Bromoform	12.39	173	571	3.500	ug/l #	1
74) N-amyl acetate	12.05	43	2000	0.288	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	128510	35.640	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	128510	110.841	ug/l #	1

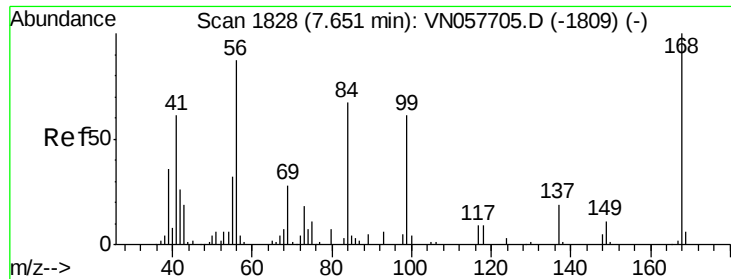
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN090619\
Data File : VN057725.D
Acq On : 6 Sep 2019 20:05
Operator : JC/SP
Sample : K4580-24
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-B1-(0)

Quant Time: Sep 06 23:27:23 2019
Quant Method : Z:\V0ASRV\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: VN057725.D

Acq: 6 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

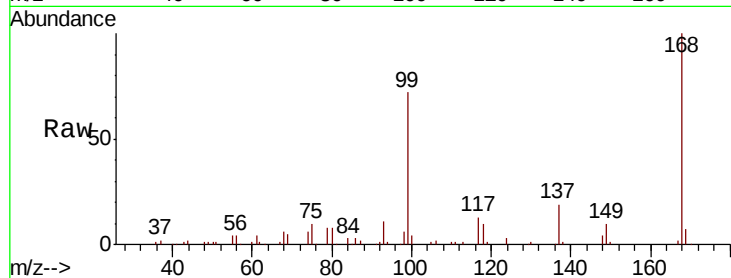
T12-B1-(0)

Tgt Ion:168 Resp: 198381

Ion Ratio Lower Upper

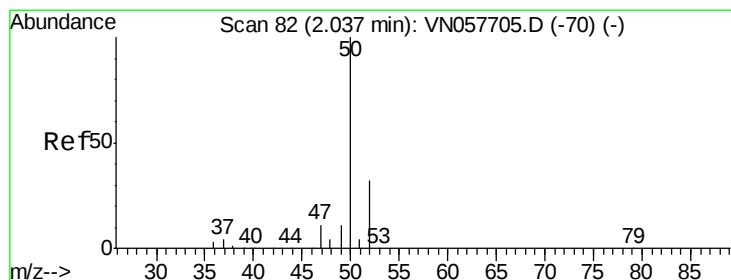
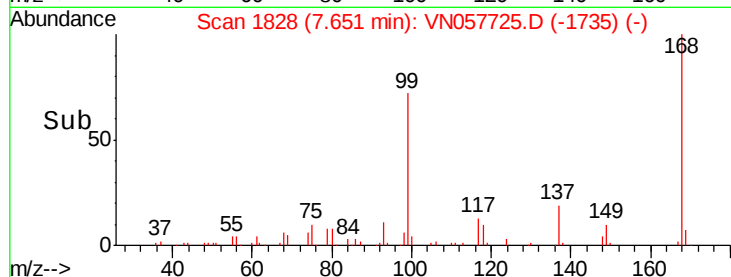
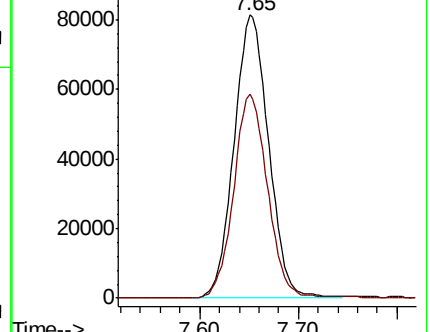
168 100

99 72.2 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): VN057725.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN057725.D (-1735) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN057725.D

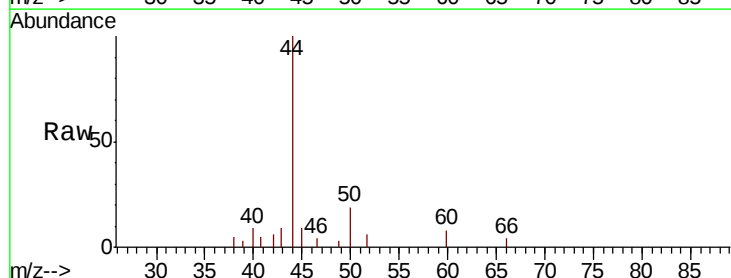
Acq: 6 Sep 2019 20:05

Tgt Ion: 50 Resp: 1210

Ion Ratio Lower Upper

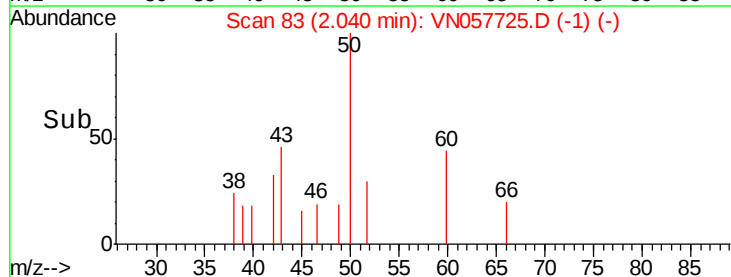
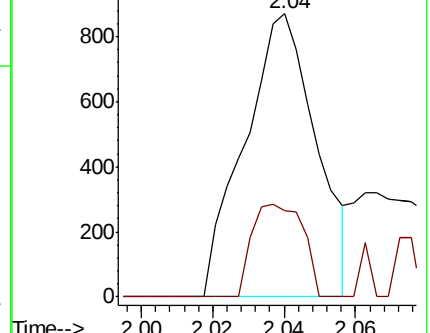
50 100

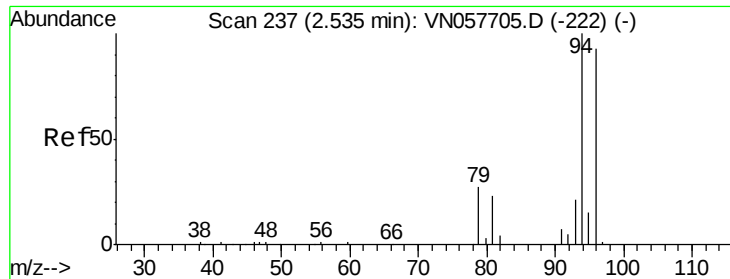
52 30.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN057725.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN057725.D (-1) (-)





#5

Bromomethane

Concen: 0.211 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN057725.D

Acq: 6 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

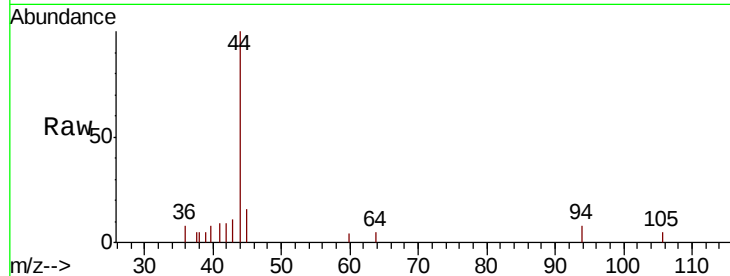
T12-B1-(0)

Tgt Ion: 94 Resp: 264

Ion Ratio Lower Upper

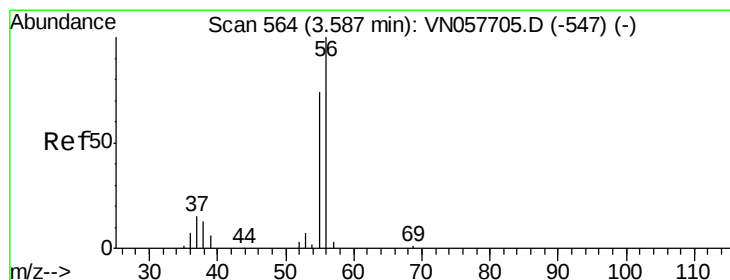
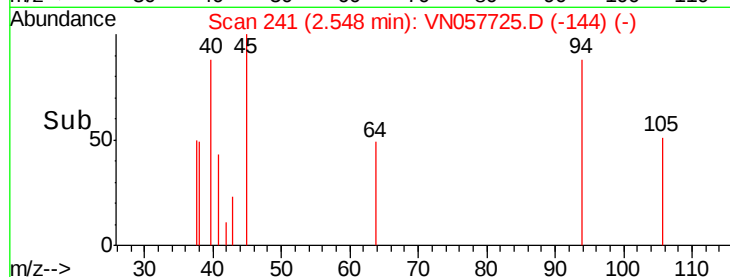
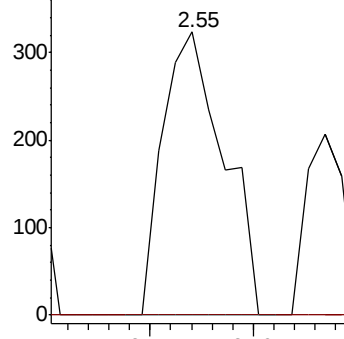
94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#13

Acrolein

Concen: 0.222 ug/l

RT: 3.52 min Scan# 544

Delta R.T. -0.06 min

Lab File: VN057725.D

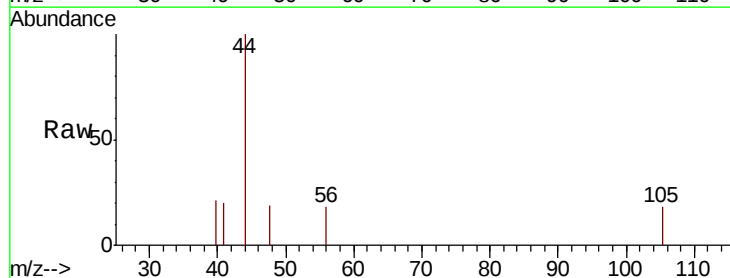
Acq: 6 Sep 2019 20:05

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

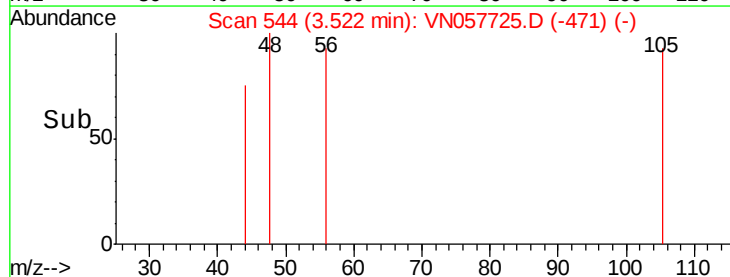
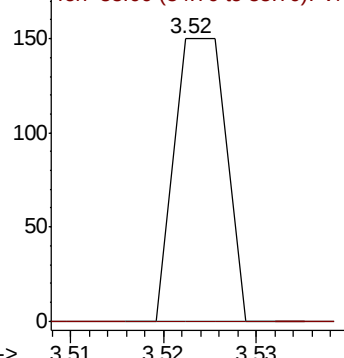
56 100

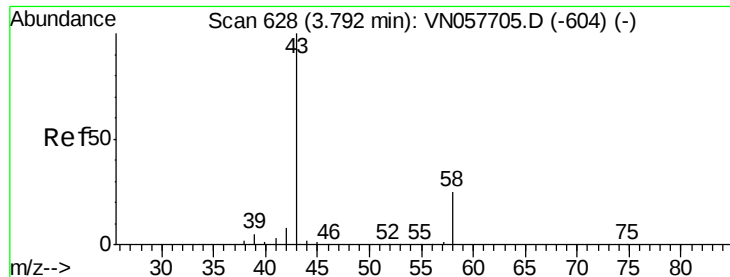
55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 7.869 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057725.D

Acq: 6 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

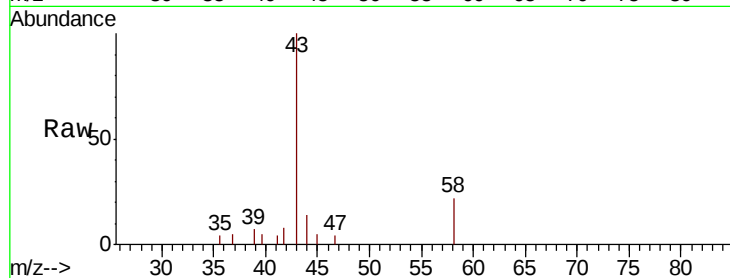
T12-B1-(0)

Tgt Ion: 43 Resp: 11687

Ion Ratio Lower Upper

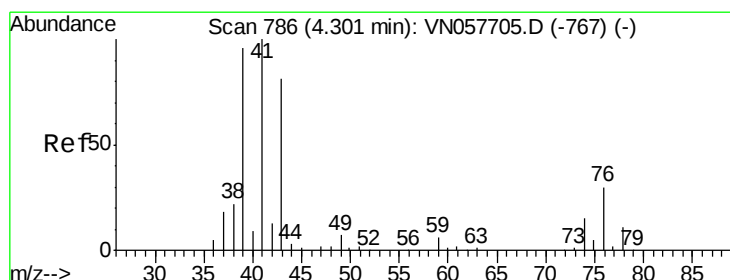
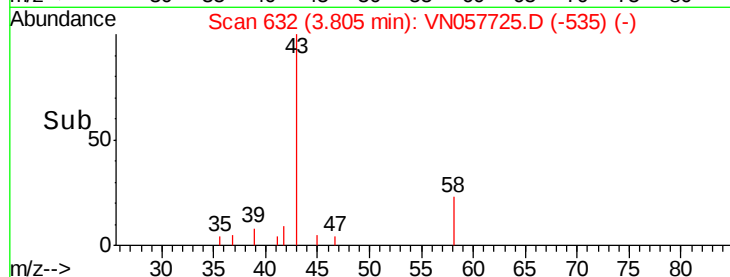
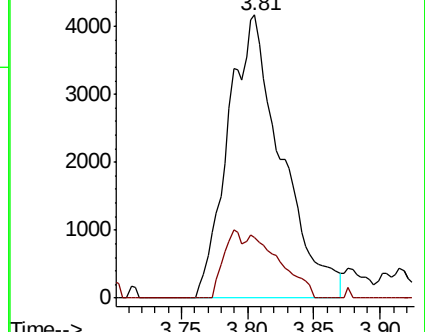
43 100

58 21.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN057725.D (-632) (-)

Ion 58.00 (57.70 to 58.70): VN057725.D (-632) (-)



#18

Methyl Acetate

Concen: 0.433 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN057725.D

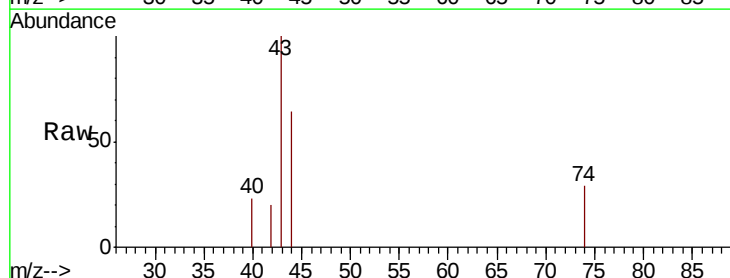
Acq: 6 Sep 2019 20:05

Tgt Ion: 43 Resp: 1750

Ion Ratio Lower Upper

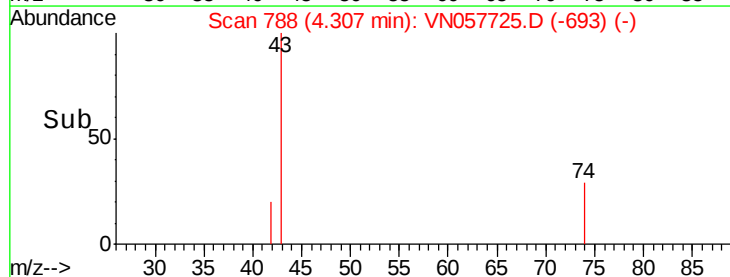
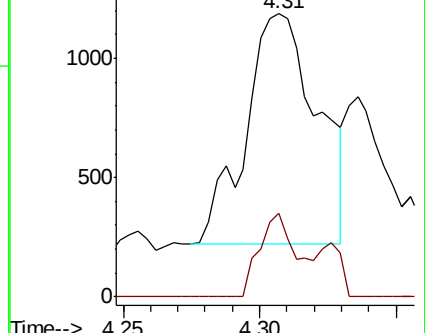
43 100

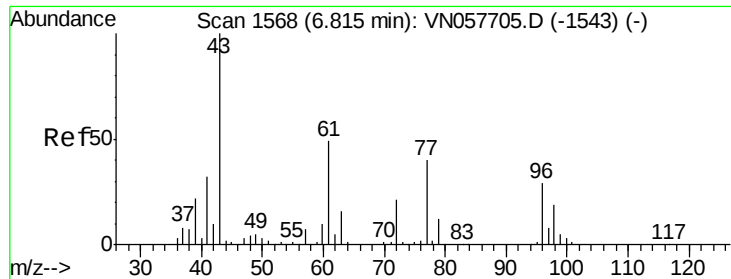
74 19.2 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VN057725.D (-788) (-)

Ion 74.00 (73.70 to 74.70): VN057725.D (-788) (-)

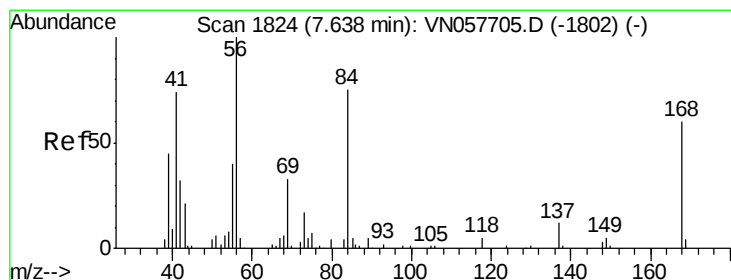
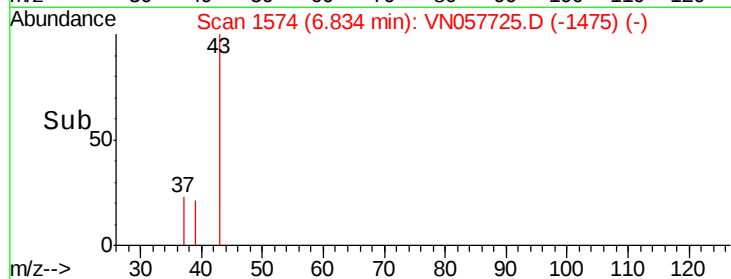
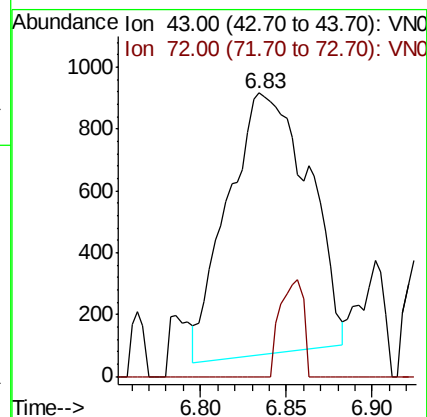
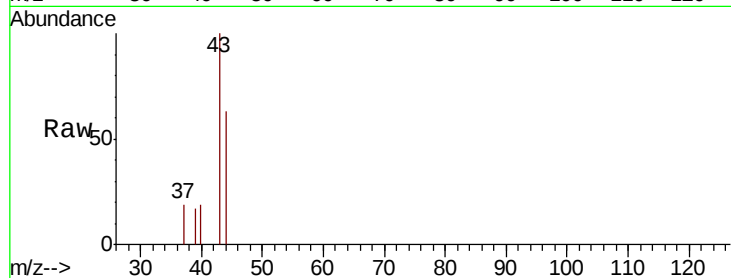




#25
2-Butanone
Concen: 1.297 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN057725.D
Acq: 6 Sep 2019 20:05

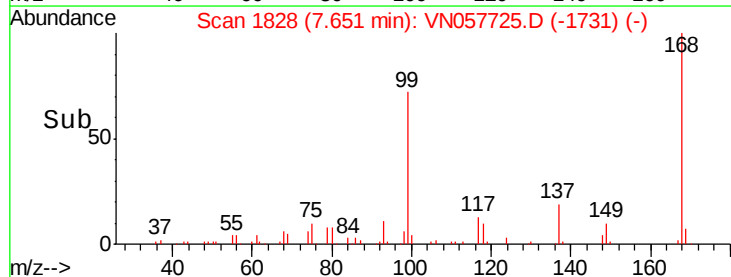
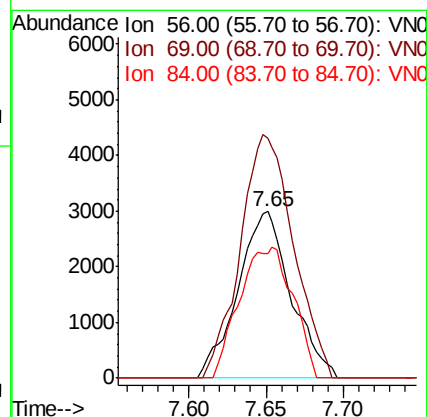
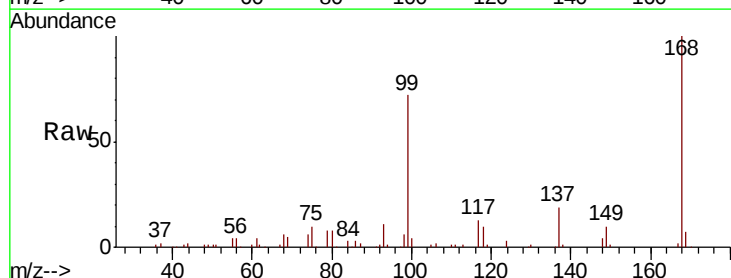
Instrument :
MSVOA_N
ClientSampleId :
T12-B1-(0)

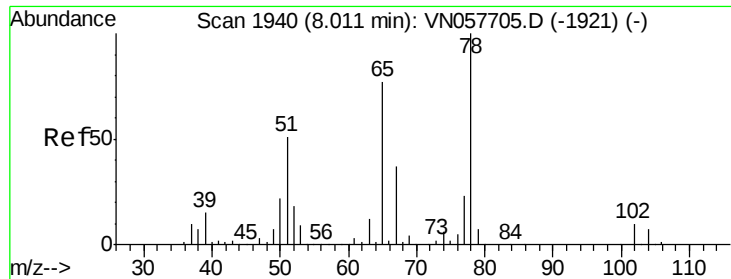
Tgt Ion: 43 Resp: 2758
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



#31
Cyclohexane
Concen: 1.321 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057725.D
Acq: 6 Sep 2019 20:05

Tgt Ion: 56 Resp: 7156
Ion Ratio Lower Upper
56 100
69 143.7 26.2 39.2#
84 75.0 59.8 89.8

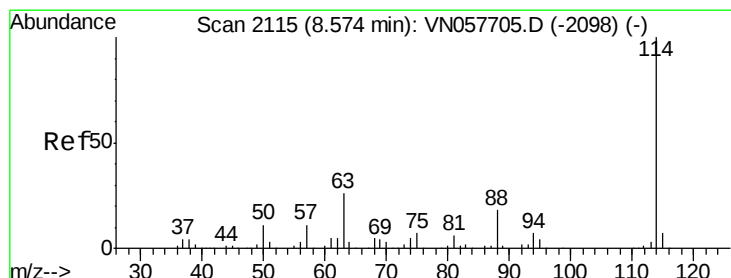
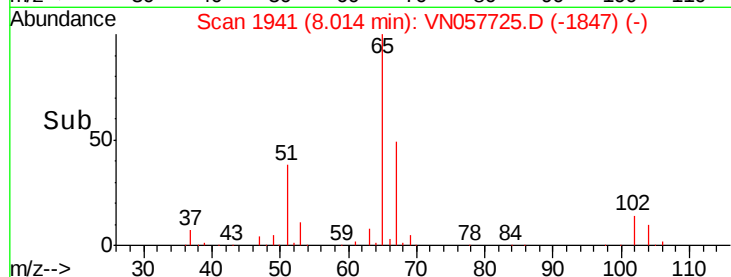
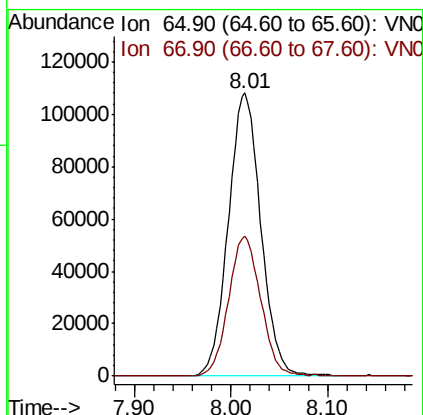
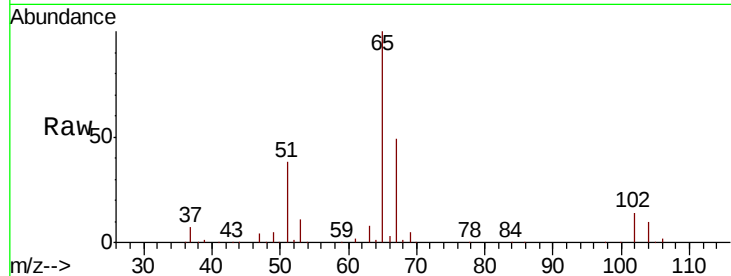




#33
 1,2-Dichloroethane-d4
 Concen: 52.249 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057725.D
 Acq: 6 Sep 2019 20:05

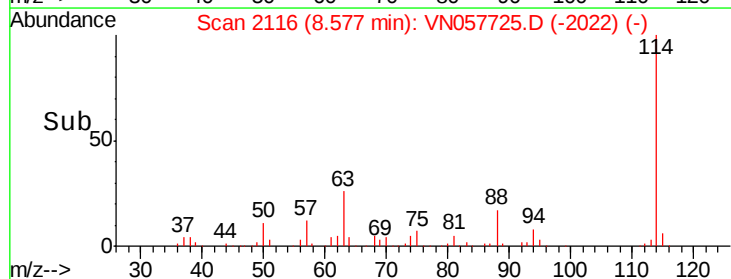
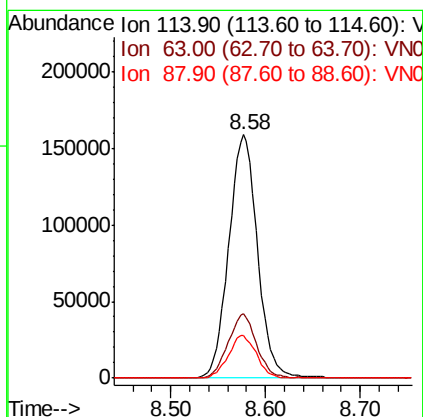
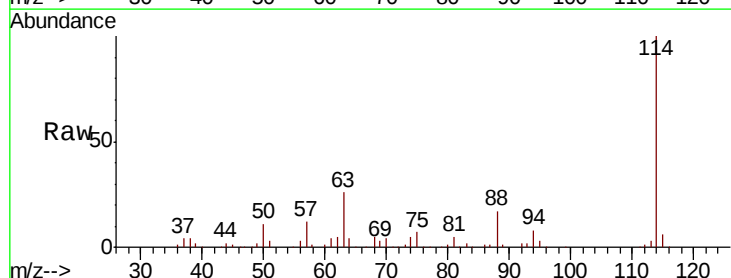
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-B1-(0)

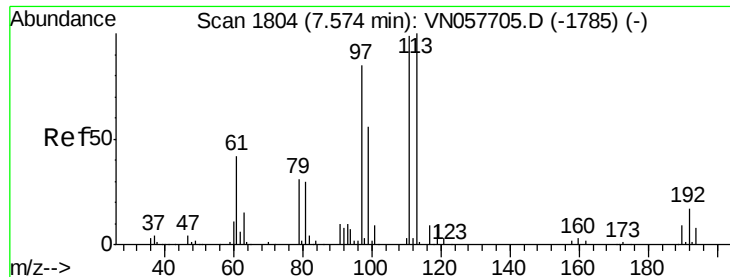
Tgt Ion: 65 Resp: 252154
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057725.D
 Acq: 6 Sep 2019 20:05

Tgt Ion: 114 Resp: 335021
 Ion Ratio Lower Upper
 114 100
 63 26.3 0.0 52.4
 88 17.3 0.0 35.4

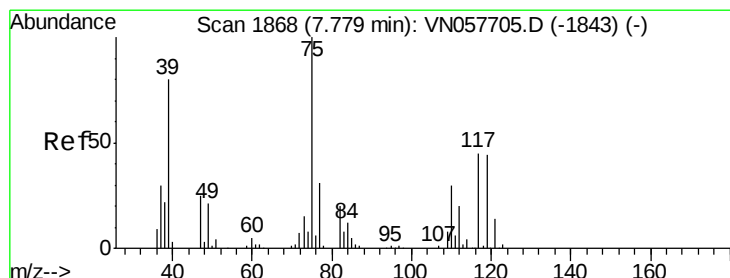
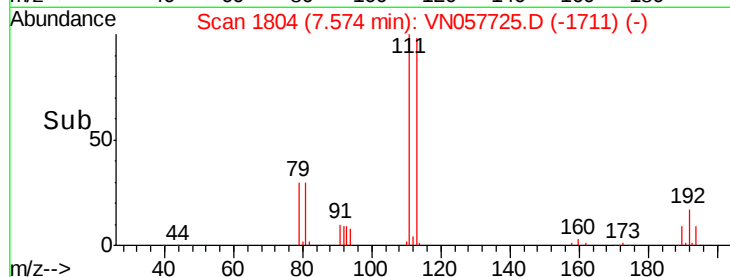
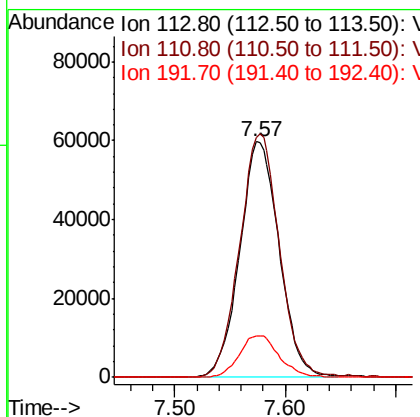
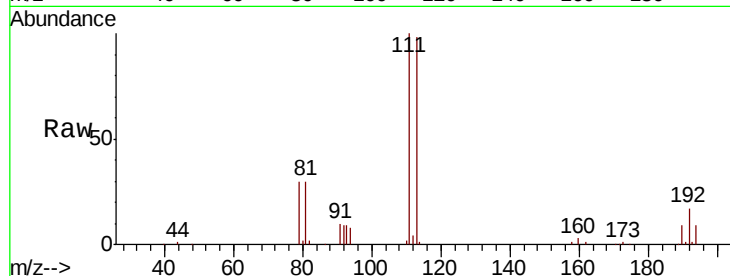




#35
 Dibromofluoromethane
 Concen: 48.563 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057725.D
 Acq: 6 Sep 2019 20:05

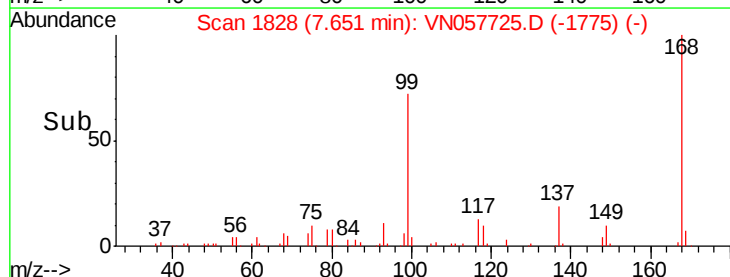
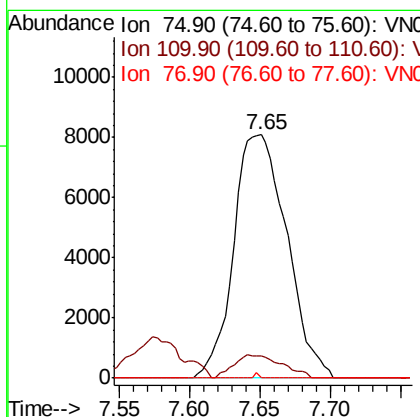
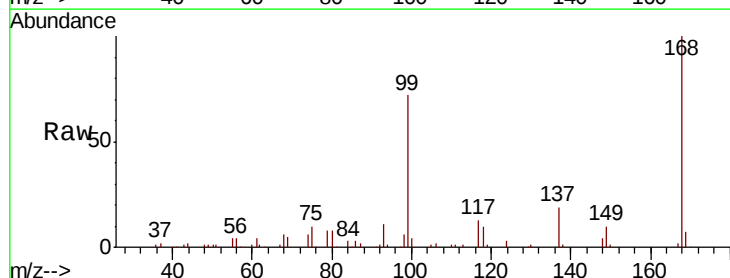
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-B1-(0)

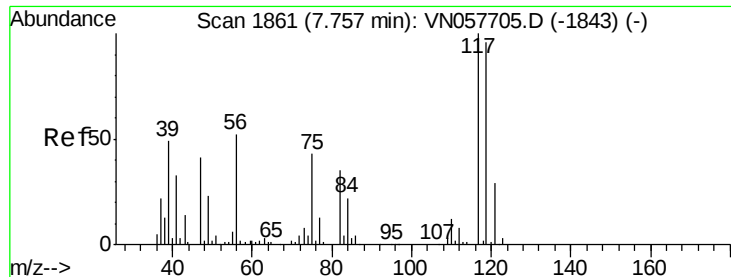
Tgt Ion: 113 Resp: 148193
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 17.9 13.8 20.6



#36
 1,1-Dichloropropene
 Concen: 4.768 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057725.D
 Acq: 6 Sep 2019 20:05

Tgt Ion: 75 Resp: 21250
 Ion Ratio Lower Upper
 75 100
 110 8.7 15.0 45.0#
 77 0.2 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.478 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057725.D

Acq: 6 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

T12-B1-(0)

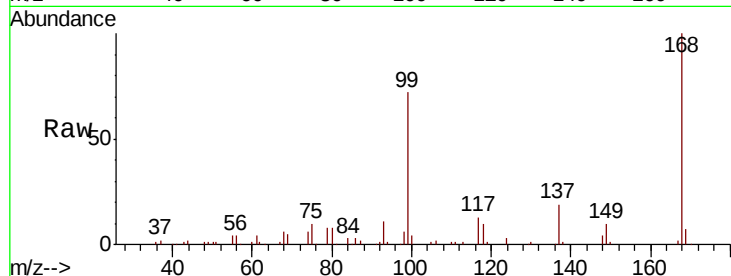
Tgt Ion:117 Resp: 23379

Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

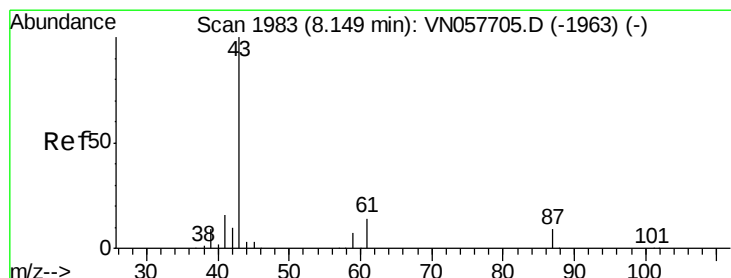
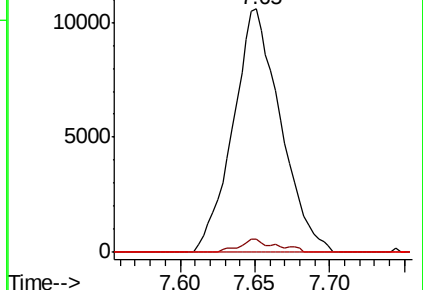
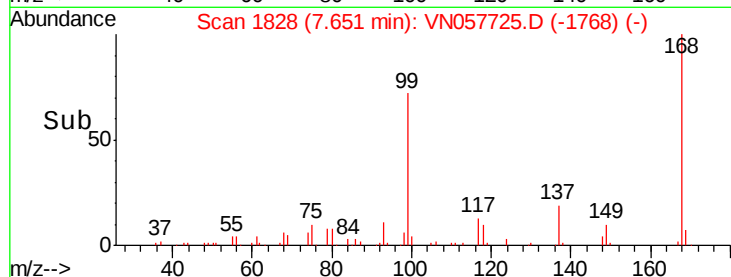
121 0.0 23.4 35.2#



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: 8.412 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057725.D

Acq: 6 Sep 2019 20:05

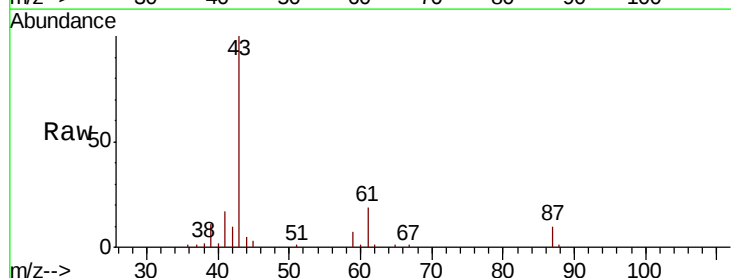
Tgt Ion: 43 Resp: 71445

Ion Ratio Lower Upper

43 100

61 17.6 12.8 19.2

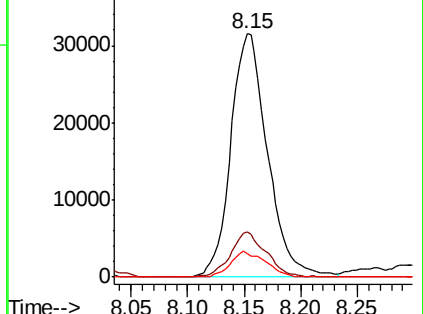
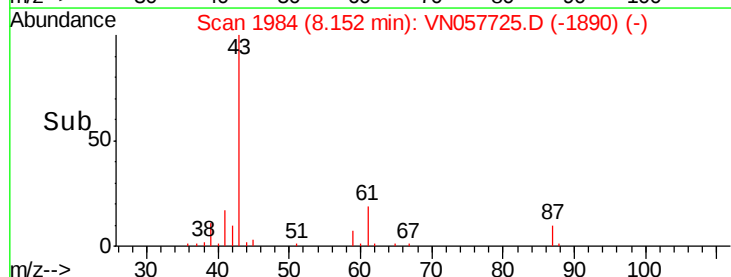
87 10.0 7.8 11.8

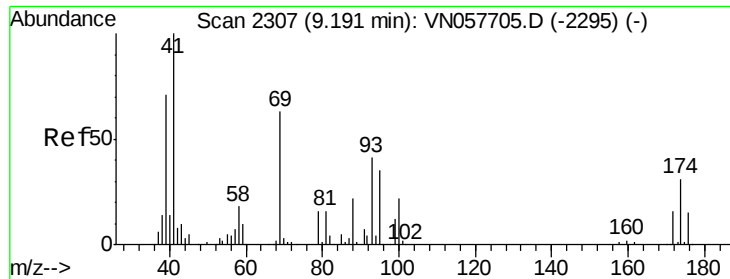


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

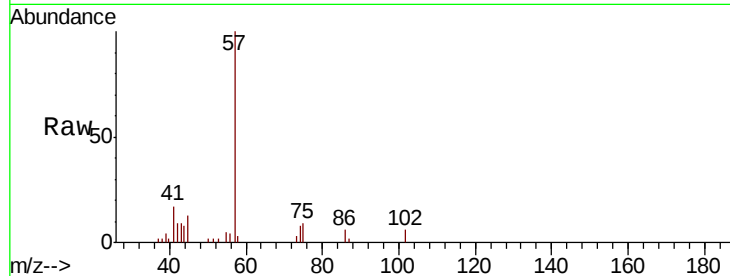




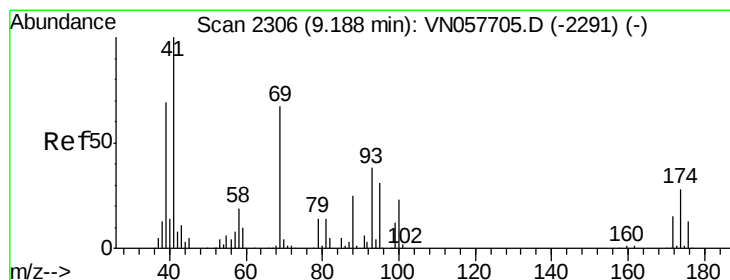
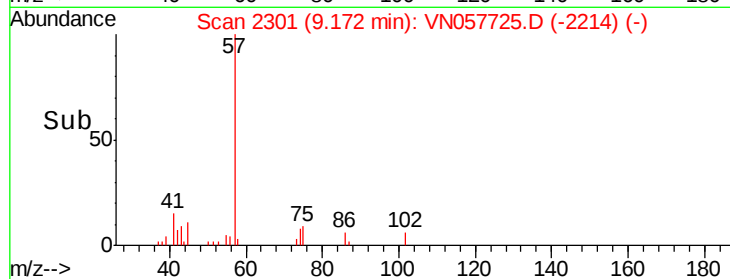
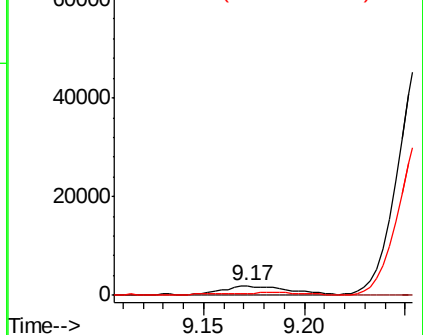
#48
Methyl methacrylate
Concen: 1.013 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057725.D
Acq: 6 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
T12-B1-(0)

Tgt Ion: 41 Resp: 4424
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 0.0 57.3 85.9#

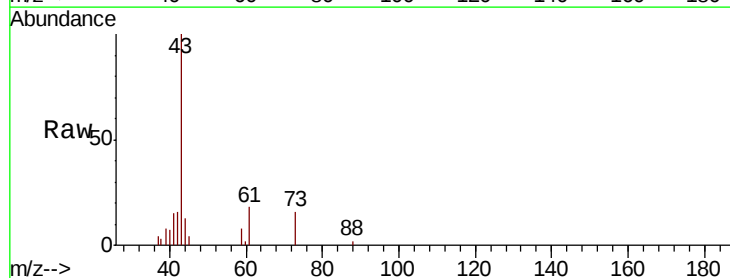


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

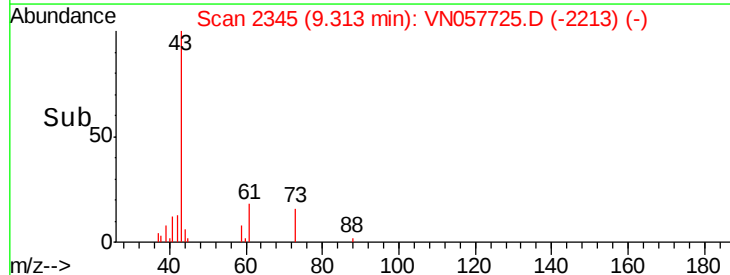
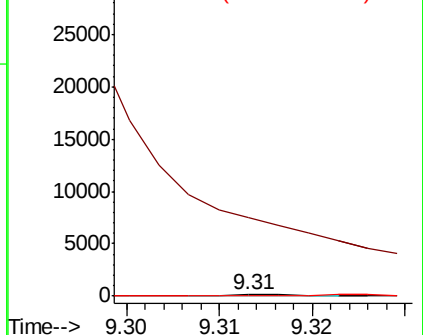


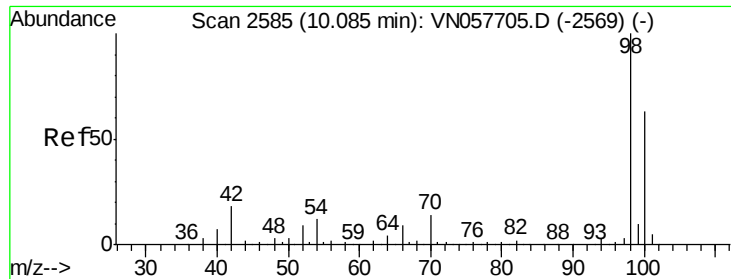
#49
1,4-Dioxane
Concen: 1.141 ug/l
RT: 9.31 min Scan# 2345
Delta R.T. 0.13 min
Lab File: VN057725.D
Acq: 6 Sep 2019 20:05

Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 0.0 35.4 53.2#
58 0.0 61.5 92.3#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 51.059 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057725.D

Acq: 6 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

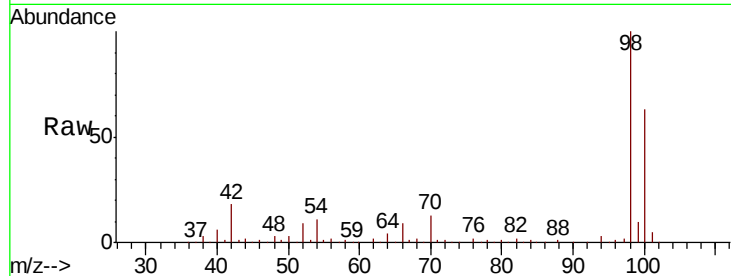
T12-B1-(0)

Tgt Ion: 98 Resp: 576374

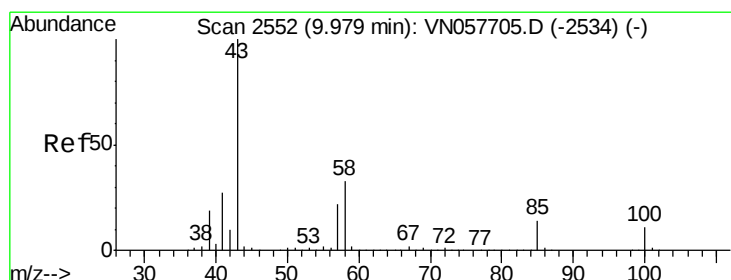
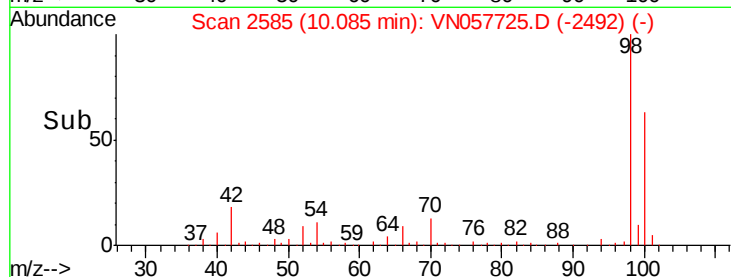
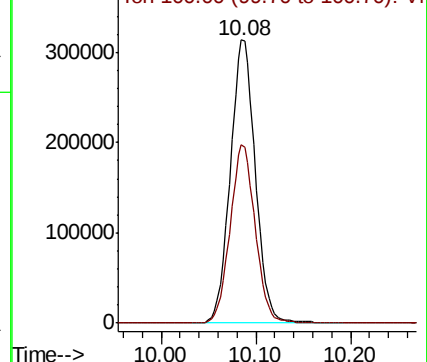
Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057725.D (-2492) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.143 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057725.D

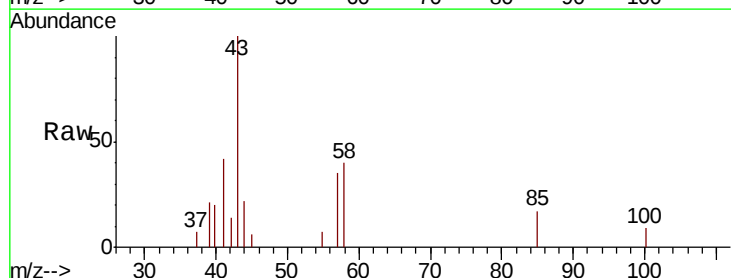
Acq: 6 Sep 2019 20:05

Tgt Ion: 43 Resp: 5390

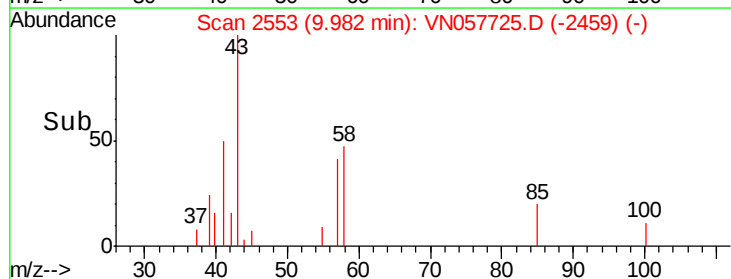
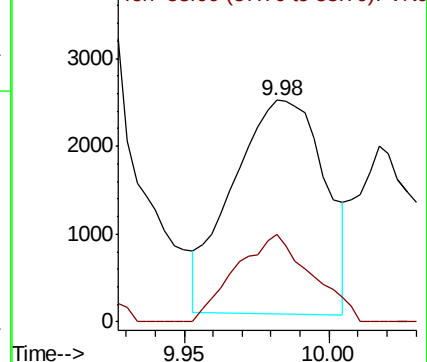
Ion Ratio Lower Upper

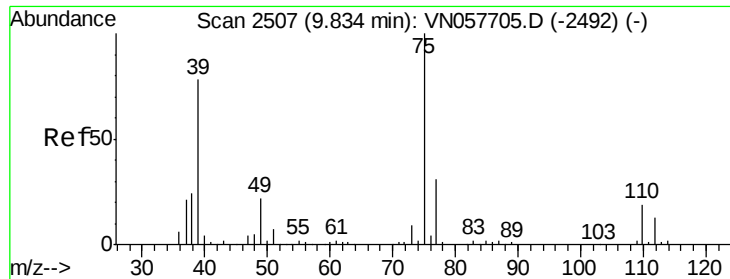
43 100

58 33.7 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN057725.D (-2459) (-)



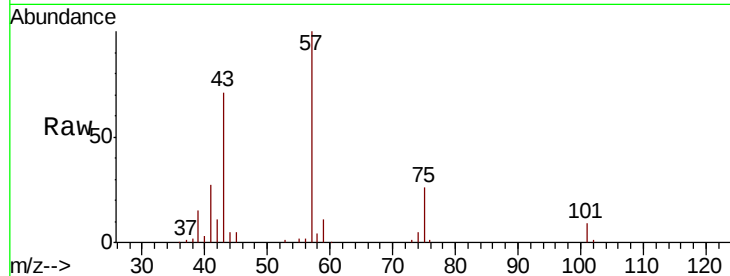


#54

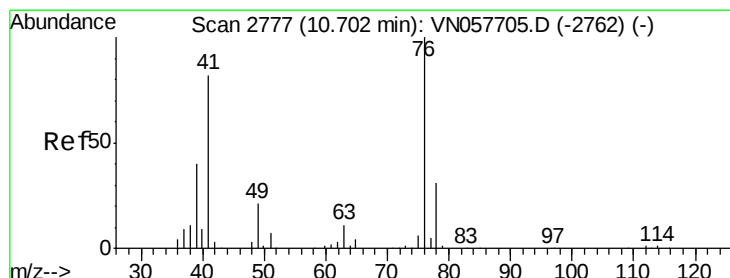
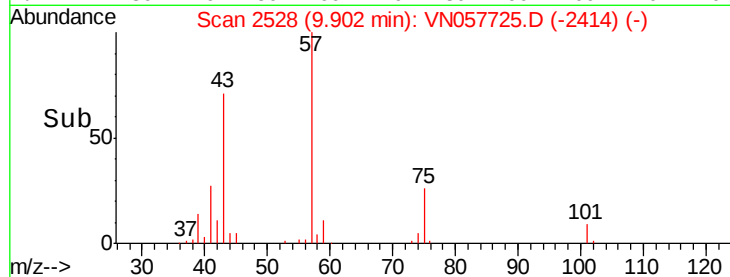
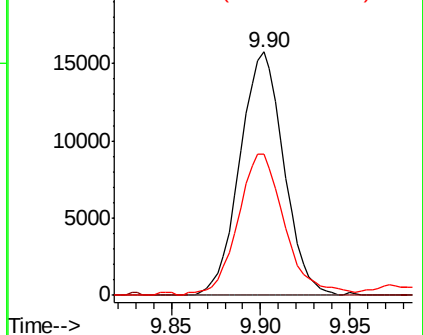
cis-1,3-Dichloropropene
 Concen: 5.201 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057725.D
 Acq: 6 Sep 2019 20:05

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-B1-(0)

Tgt Ion: 75 Resp: 27097
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 55.8 62.4 93.6#



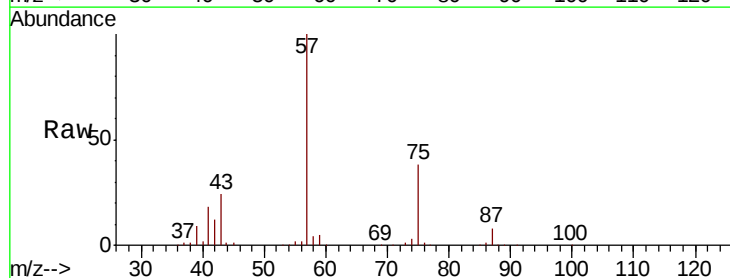
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



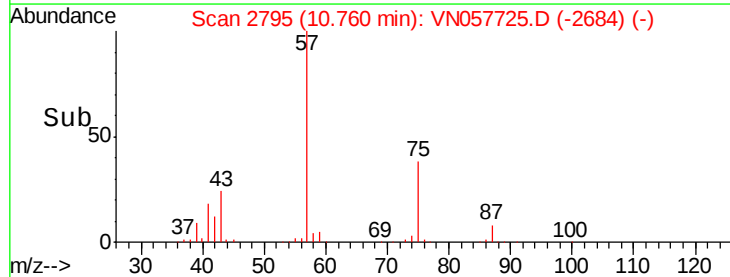
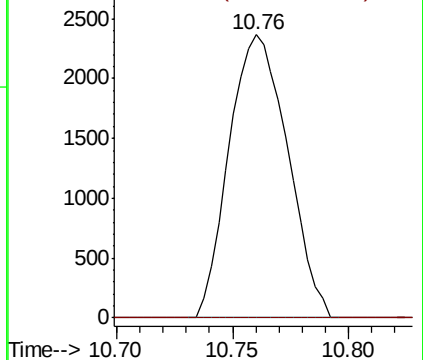
#57

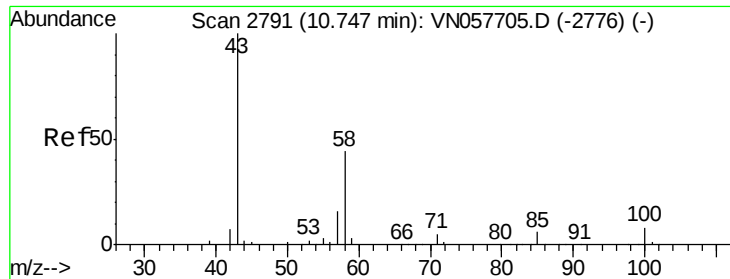
1,3-Dichloropropane
 Concen: 0.750 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057725.D
 Acq: 6 Sep 2019 20:05

Tgt Ion: 76 Resp: 4143
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

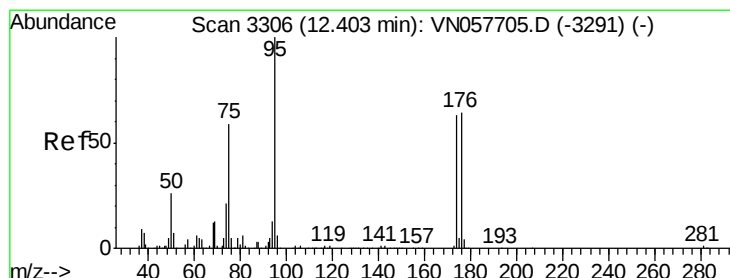
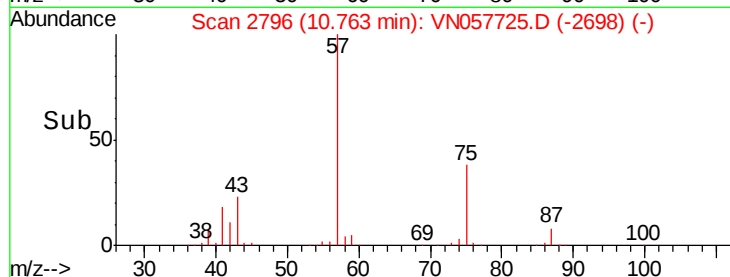
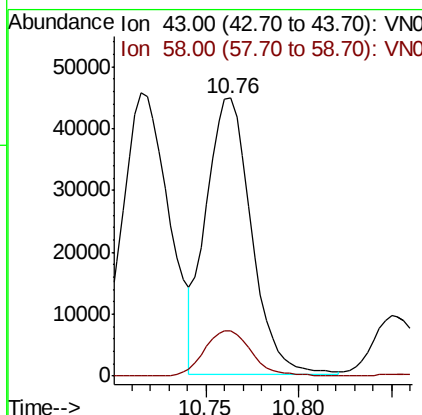
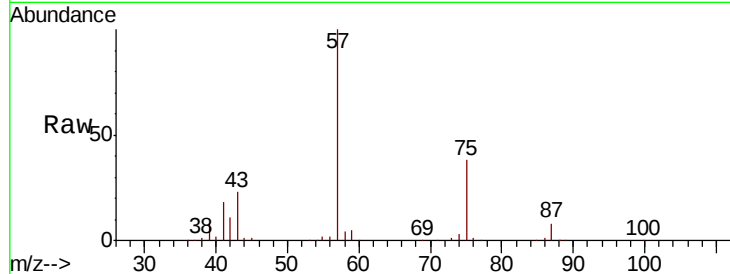




#59
2-Hexanone
Concen: 22.797 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057725.D
Acq: 6 Sep 2019 20:05

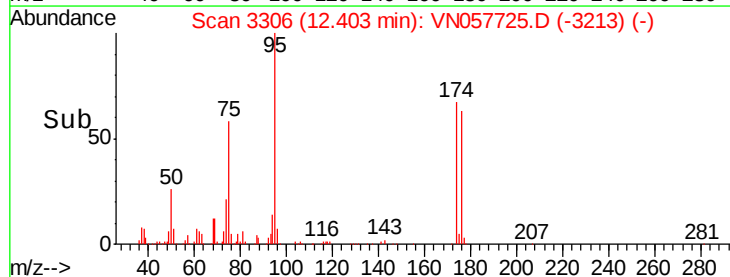
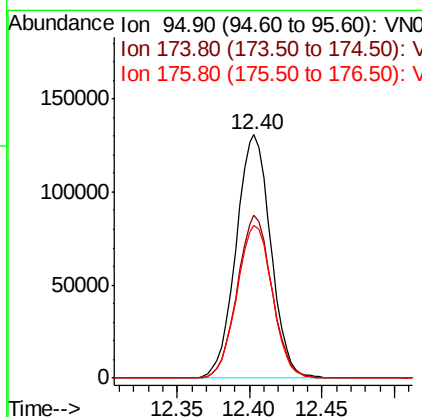
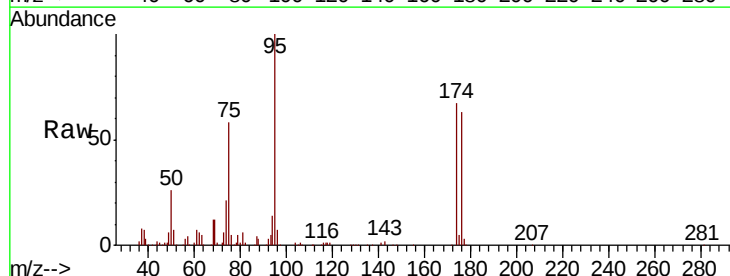
Instrument :
MSVOA_N
ClientSampleId :
T12-B1-(0)

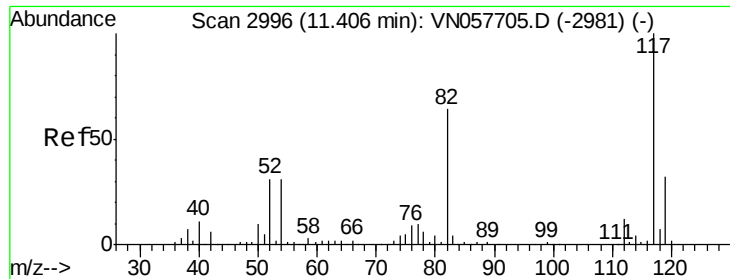
Tgt Ion: 43 Resp: 75822
Ion Ratio Lower Upper
43 100
58 17.1 22.1 66.5#



#62
4-Bromofluorobenzene
Concen: 46.291 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057725.D
Acq: 6 Sep 2019 20:05

Tgt Ion: 95 Resp: 217042
Ion Ratio Lower Upper
95 100
174 66.9 0.0 128.0
176 64.5 0.0 128.0

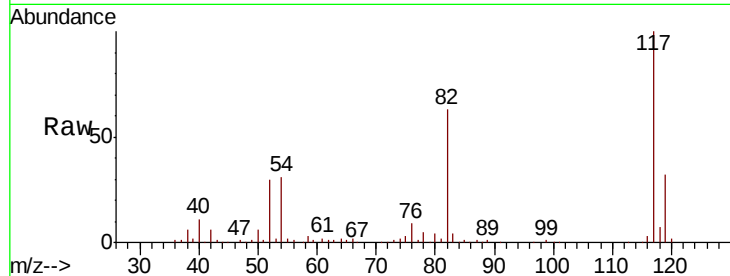




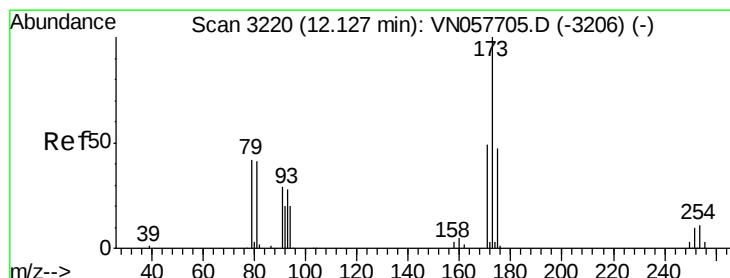
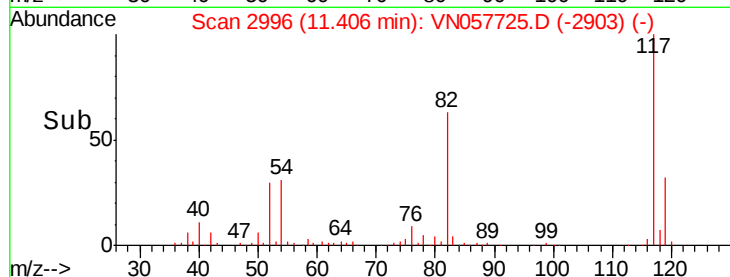
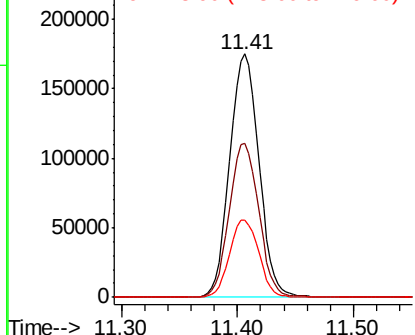
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057725.D
Acq: 6 Sep 2019 20:05

Instrument :
MSVOA_N
ClientSampleId :
T12-B1-(0)

Tgt Ion:117 Resp: 304715
Ion Ratio Lower Upper
117 100
82 63.5 51.4 77.0
119 31.7 25.4 38.2

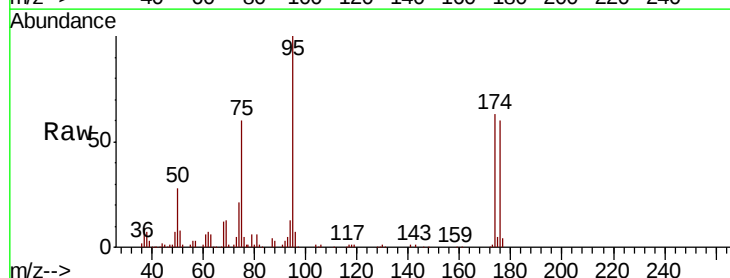


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

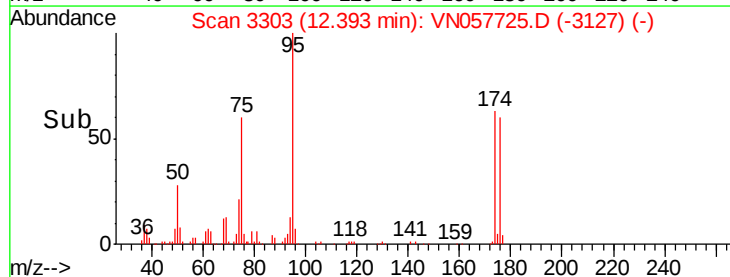
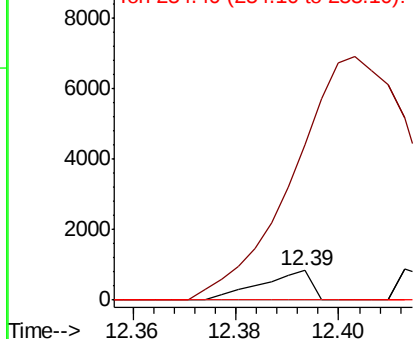


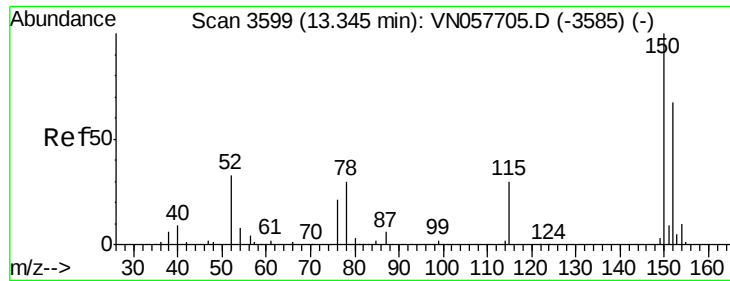
#71
Bromoform
Concen: 3.500 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN057725.D
Acq: 6 Sep 2019 20:05

Tgt Ion:173 Resp: 571
Ion Ratio Lower Upper
173 100
175 1700.4 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: VN057725.D

Acq: 6 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

T12-B1-(0)

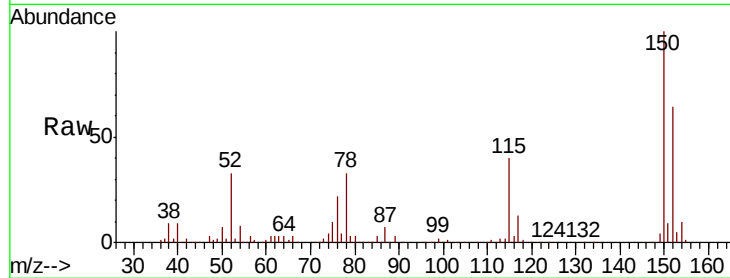
Tgt Ion:152 Resp: 157020

Ion Ratio Lower Upper

152 100

115 64.3 33.8 101.3

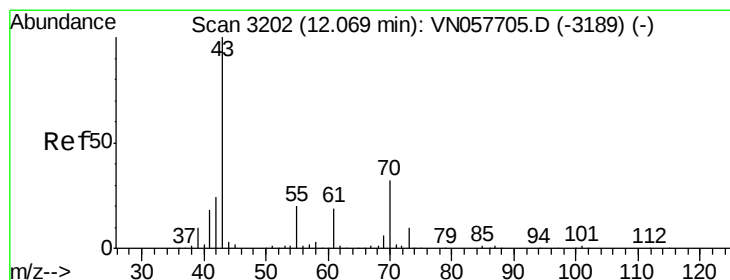
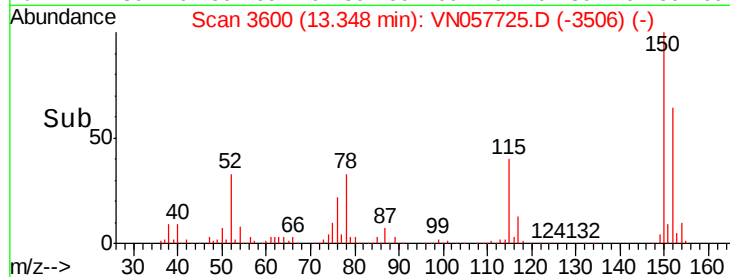
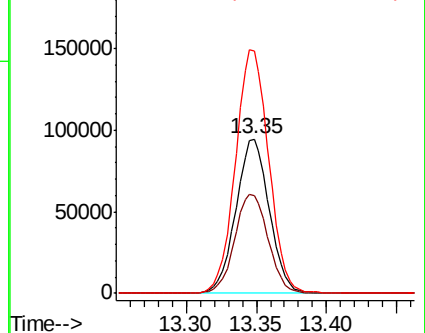
150 157.0 0.0 345.4



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



#74

N-ethyl acetate

Concen: 0.288 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN057725.D

Acq: 6 Sep 2019 20:05

Tgt Ion: 43 Resp: 2000

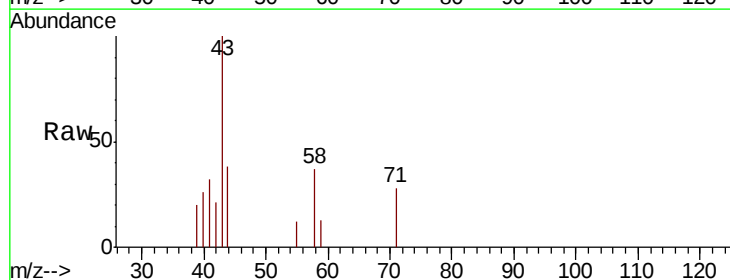
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 3.2 16.3 24.5#

61 0.0 15.0 22.4#

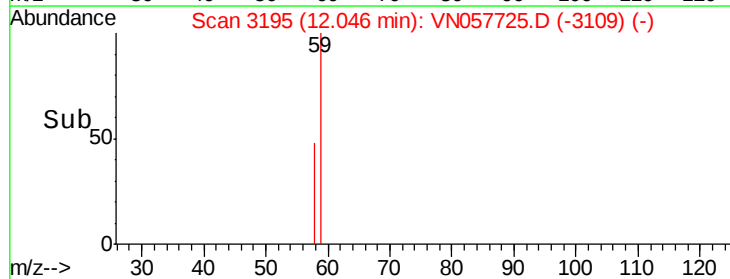
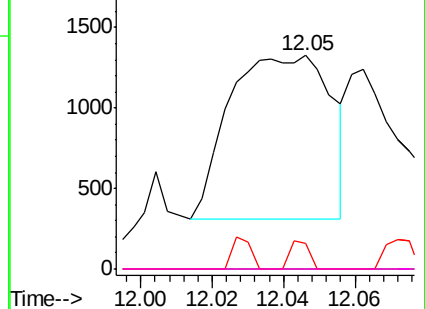


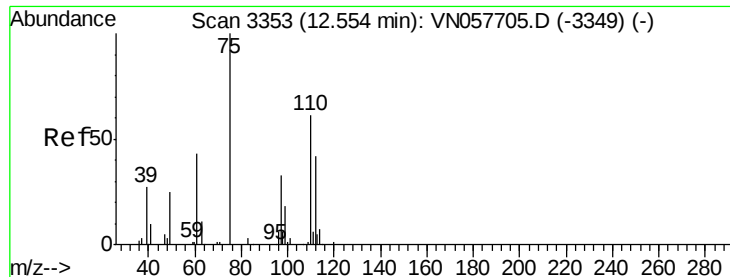
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.640 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057725.D

Acq: 6 Sep 2019 20:05

Instrument :

MSVOA_N

ClientSampleId :

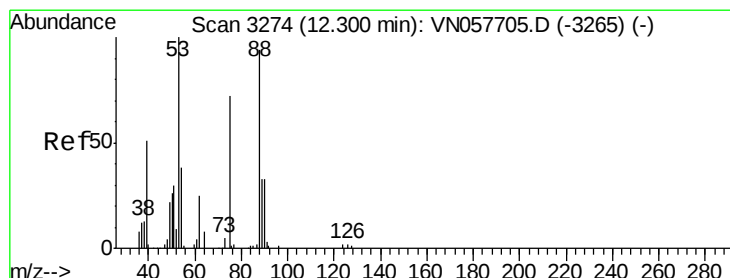
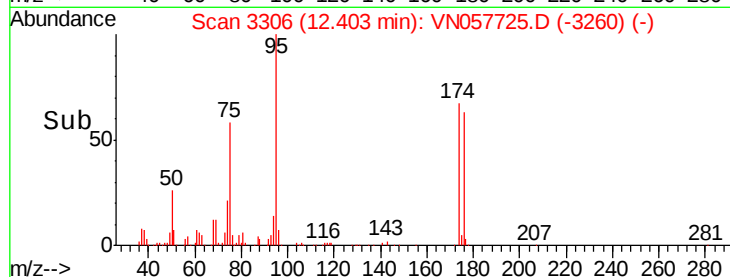
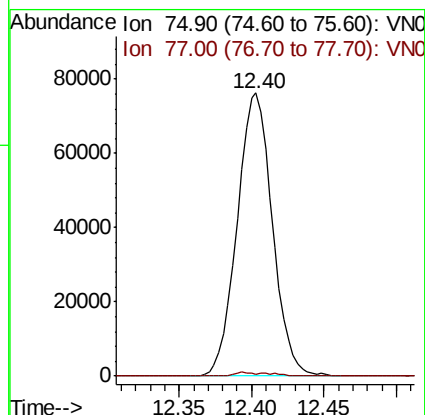
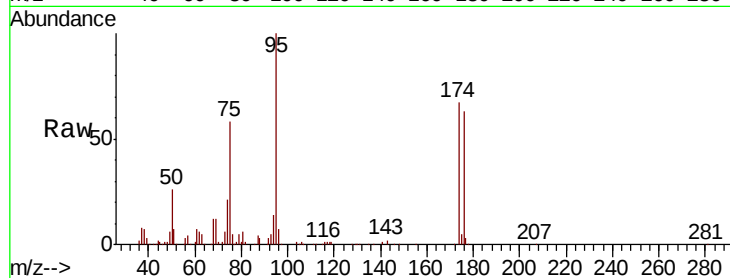
T12-B1-(0)

Tgt Ion: 75 Resp: 128510

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.841 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057725.D

Acq: 6 Sep 2019 20:05

Tgt Ion: 75 Resp: 128510

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

