

Data File : VN057752.D
Acq On : 7 Sep 2019 14:44
Operator : JC/SP
Sample : K4581-23
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-C2-(0)

Quant Time: Sep 08 06:34:49 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	202238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	333908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	300961	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	155958	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	244929	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.58	113	147295	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	10.09	98	569922	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
62) 4-Bromofluorobenzene	12.40	95	207422	44.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.78%	

Target Compounds

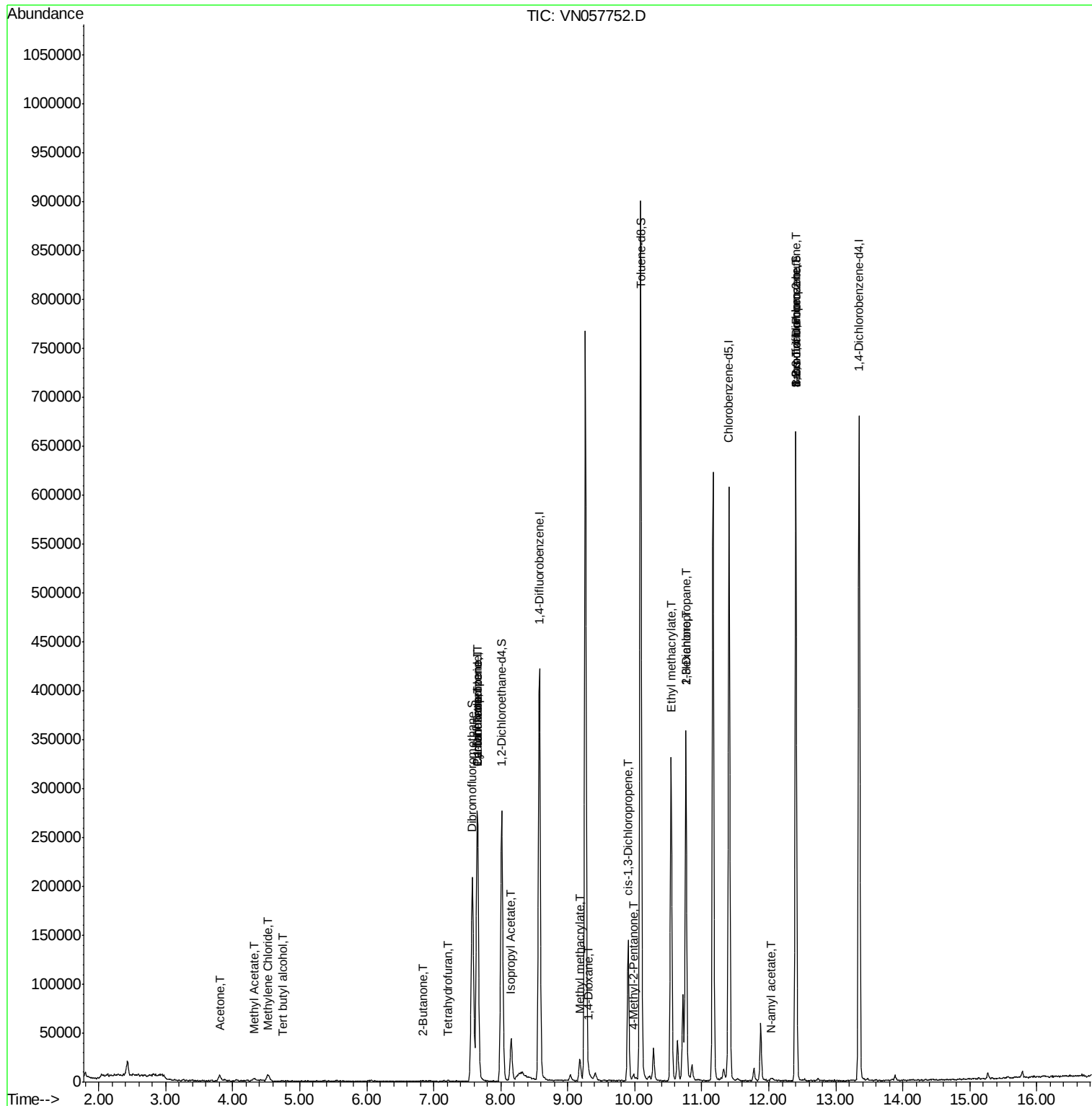
						Qvalue
3) Chloromethane	2.03	50	967	Below Cal		92
11) Tert butyl alcohol	4.75	59	116	0.208 ug/l #		71
16) Acetone	3.81	43	9724	6.423 ug/l		92
18) Methyl Acetate	4.31	43	985	0.239 ug/l #		5
20) Methylene Chloride	4.53	84	4493	1.372 ug/l		87
25) 2-Butanone	6.83	43	1033	0.476 ug/l #		55
29) Tetrahydrofuran	7.21	42	430	0.308 ug/l #		46
31) Cyclohexane	7.65	56	5977	1.082 ug/l #		1
36) 1,1-Dichloropropene	7.65	75	19498	4.389 ug/l #		53
38) Carbon Tetrachloride	7.65	117	22636	5.322 ug/l #		17
43) Isopropyl Acetate	8.15	43	52078	6.152 ug/l		99
48) Methyl methacrylate	9.18	41	4104	0.943 ug/l #		16
49) 1,4-Dioxane	9.31	88	33	0.651 ug/l #		19
51) 4-Methyl-2-Pentanone	9.98	43	4738	1.008 ug/l #		83
54) cis-1,3-Dichloropropene	9.90	75	21462	4.133 ug/l #		80
56) Ethyl methacrylate	10.54	69	982	0.201 ug/l #		1
57) 1,3-Dichloropropane	10.76	76	3423	0.622 ug/l #		43
59) 2-Hexanone	10.76	43	58793	17.736 ug/l #		58
71) Bromoform	12.40	173	606	3.520 ug/l #		28
74) N-amyl acetate	12.03	43	1539	0.223 ug/l #		50
76) 1,2,3-Trichloropropane	12.40	75	125159	34.947 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	125159	108.686 ug/l #		1

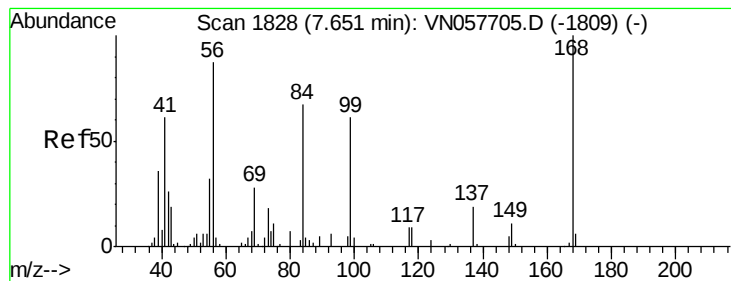
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN057752.D
Acq On : 7 Sep 2019 14:44
Operator : JC/SP
Sample : K4581-23
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-C2-(0)

Quant Time: Sep 08 06:34:49 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# 1829

Delta R.T. 0.00 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

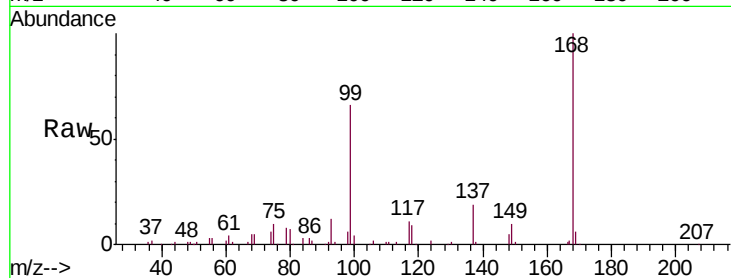
T12-C2-(0)

Tgt Ion:168 Resp: 202238

Ion Ratio Lower Upper

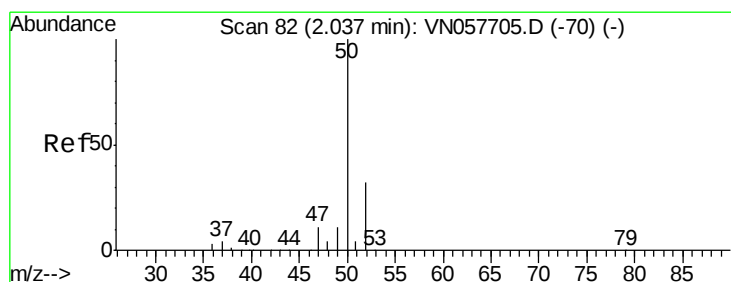
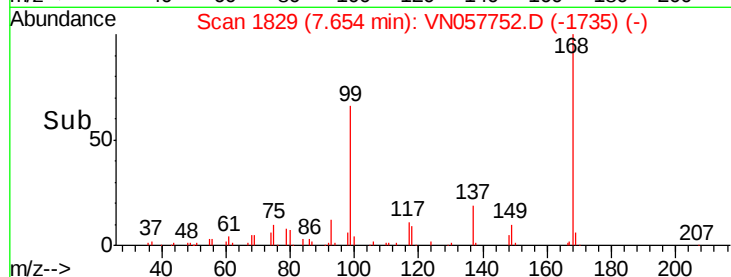
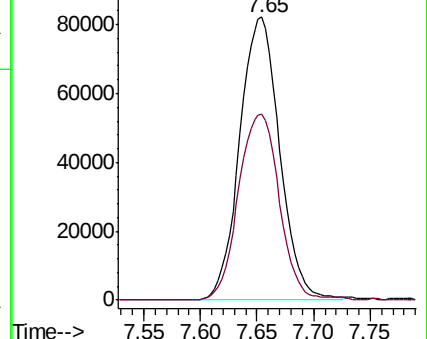
168 100

99 65.6 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057752.D

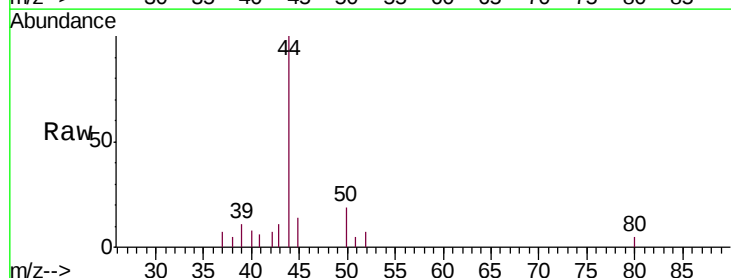
Acq: 7 Sep 2019 14:44

Tgt Ion: 50 Resp: 967

Ion Ratio Lower Upper

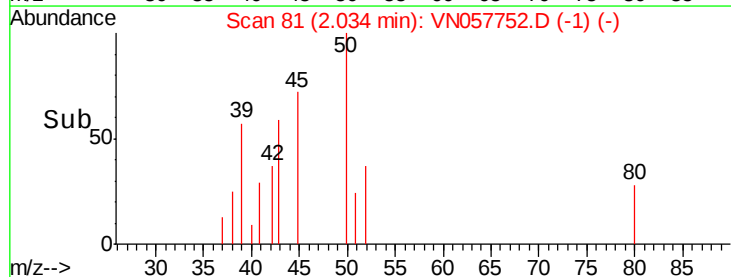
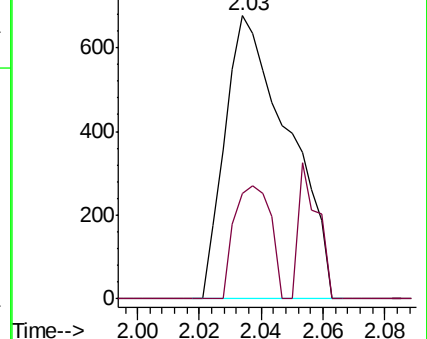
50 100

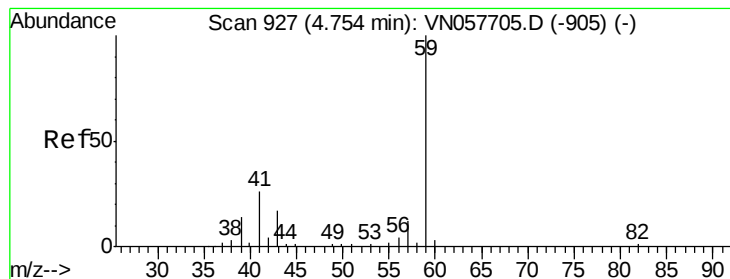
52 37.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



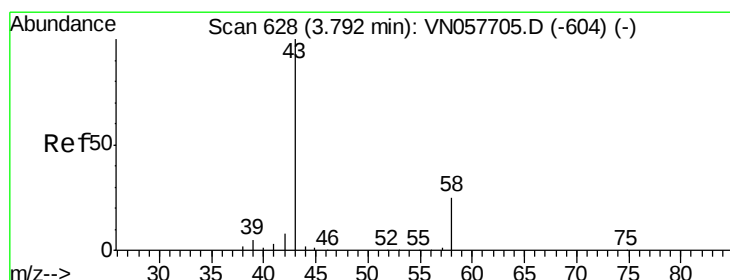
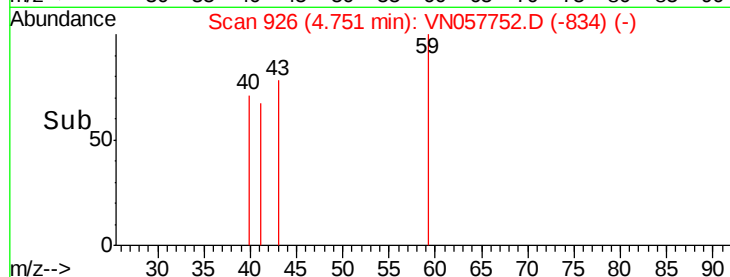
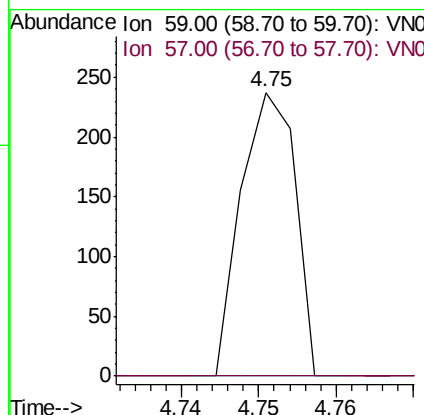
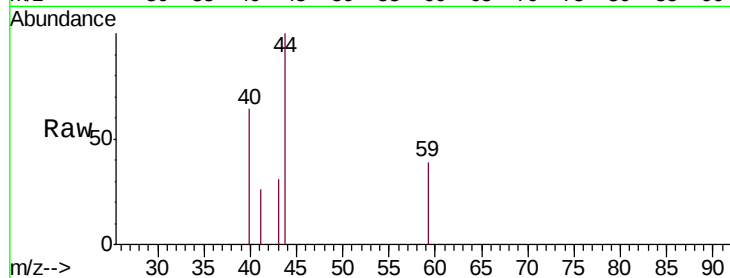


#11

Tert butyl alcohol
 Concen: 0.208 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN057752.D
 Acq: 7 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 T12-C2-(0)

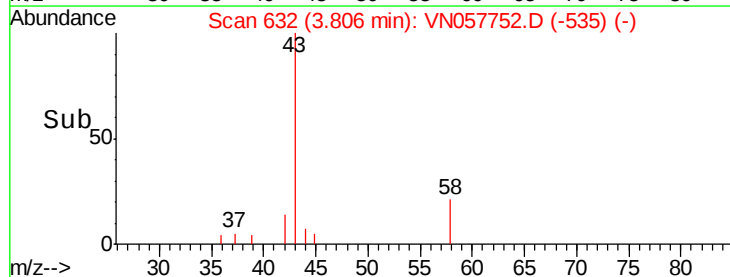
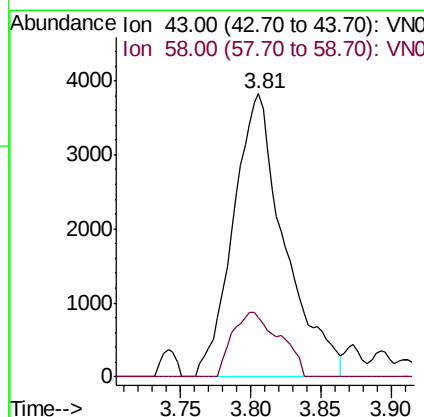
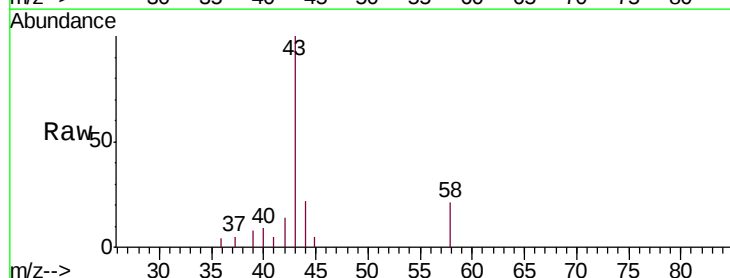
Tgt Ion: 59 Resp: 116
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.9 13.3#

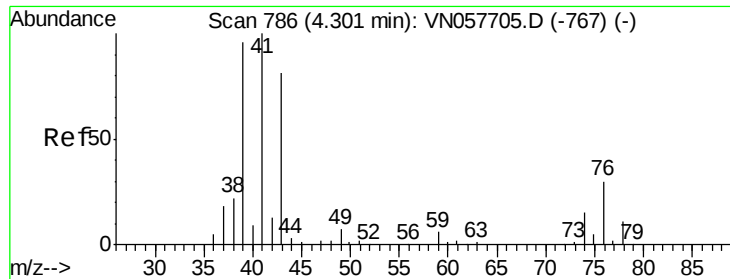


#16

Acetone
 Concen: 6.423 ug/l
 RT: 3.81 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VN057752.D
 Acq: 7 Sep 2019 14:44

Tgt Ion: 43 Resp: 9724
 Ion Ratio Lower Upper
 43 100
 58 21.0 19.8 29.8

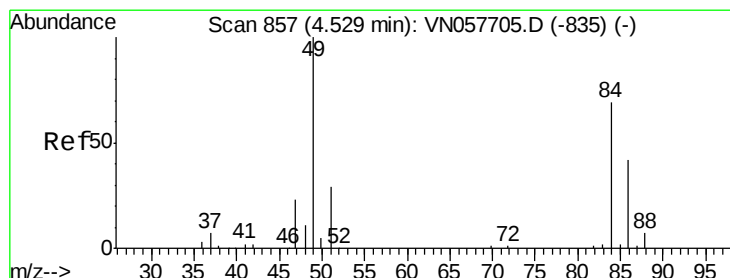
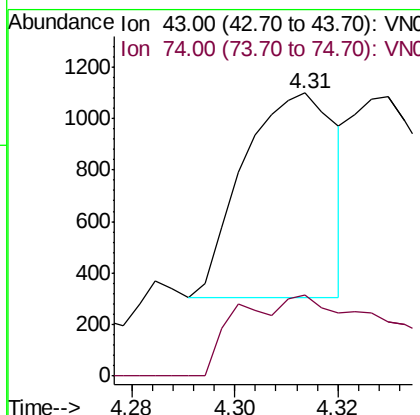
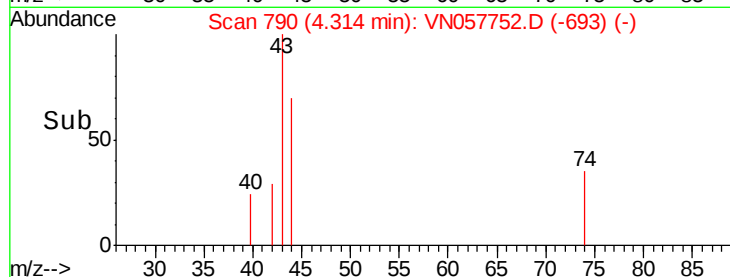
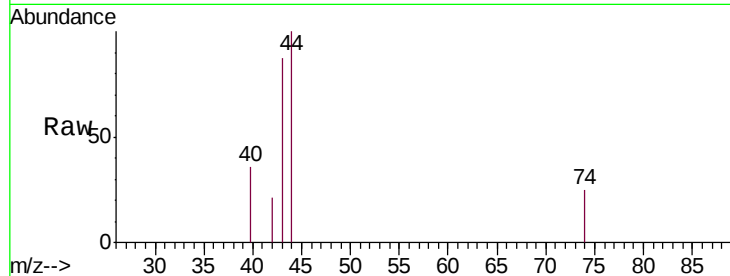




#18
Methyl Acetate
Concen: 0.239 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057752.D
Acq: 7 Sep 2019 14:44

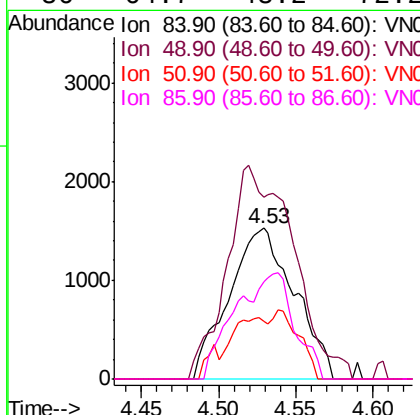
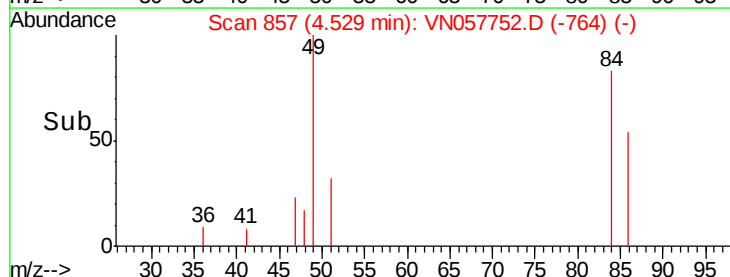
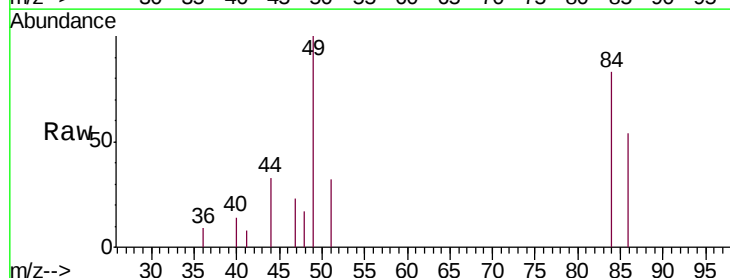
Instrument :
MSVOA_N
ClientSampled :
T12-C2-(0)

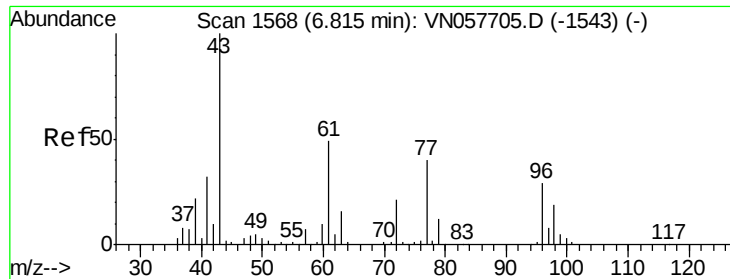
Tgt Ion: 43 Resp: 985
Ion Ratio Lower Upper
43 100
74 61.9 15.3 22.9#



#20
Methylene Chloride
Concen: 1.372 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057752.D
Acq: 7 Sep 2019 14:44

Tgt Ion: 84 Resp: 4493
Ion Ratio Lower Upper
84 100
49 120.8 115.0 172.6
51 38.5 33.8 50.8
86 64.7 48.2 72.2





#25

2-Butanone

Concen: 0.476 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

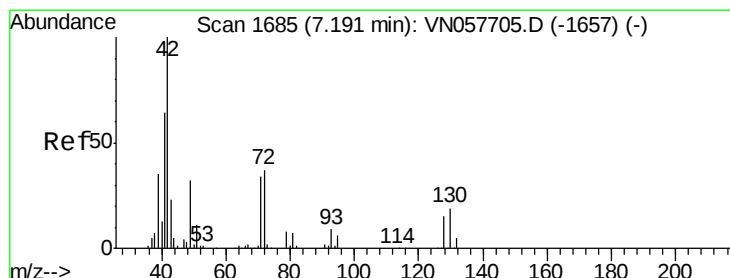
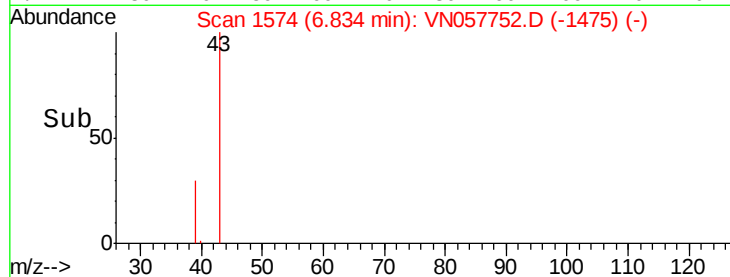
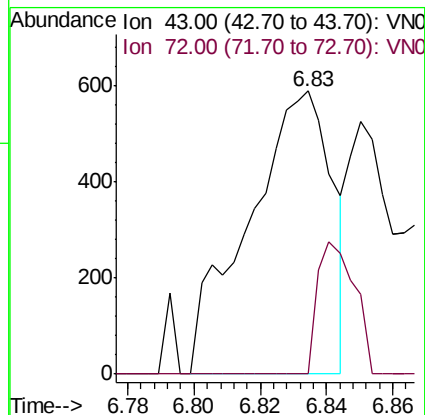
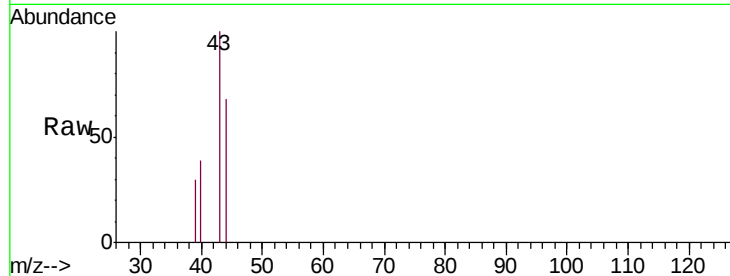
T12-C2-(0)

Tgt Ion: 43 Resp: 1033

Ion Ratio Lower Upper

43 100

72 0.0 17.0 25.6#



#29

Tetrahydrofuran

Concen: 0.308 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.02 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

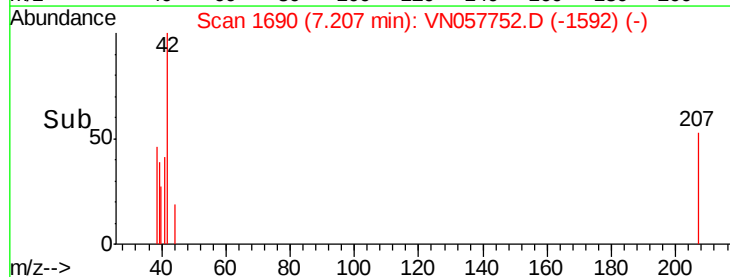
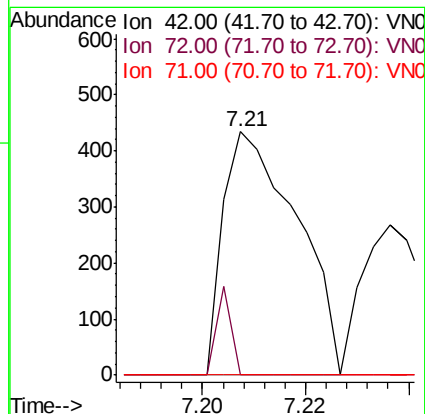
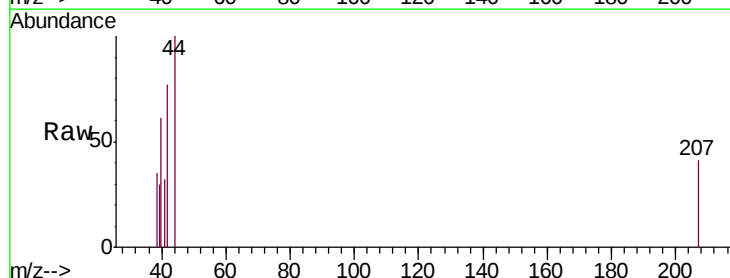
Tgt Ion: 42 Resp: 430

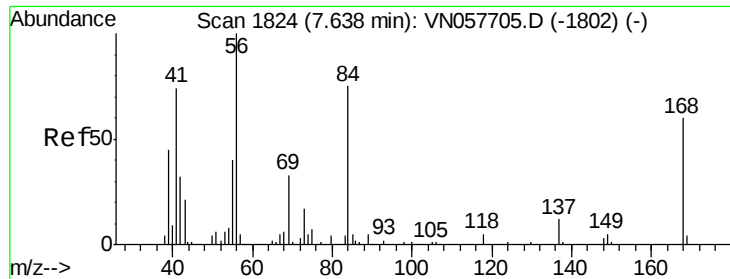
Ion Ratio Lower Upper

42 100

72 7.2 29.2 43.8#

71 0.0 27.0 40.4#

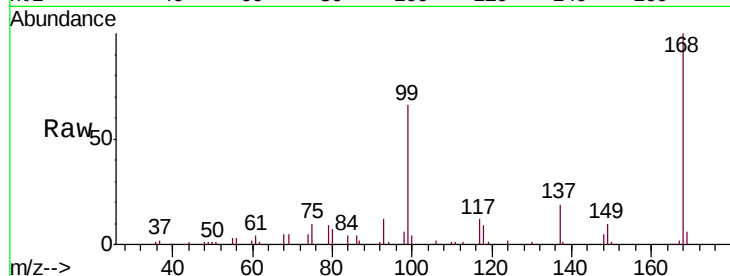




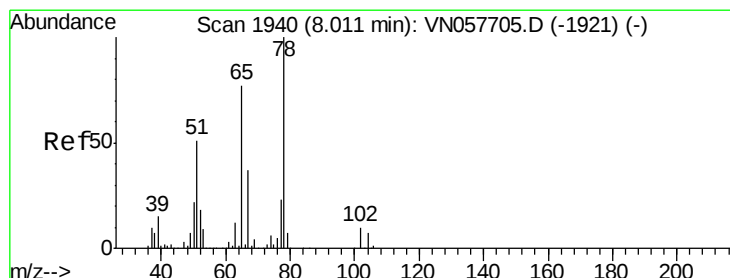
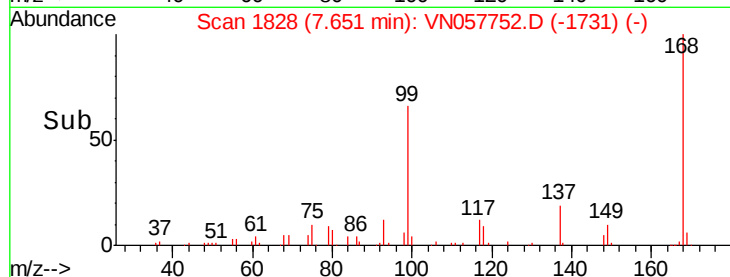
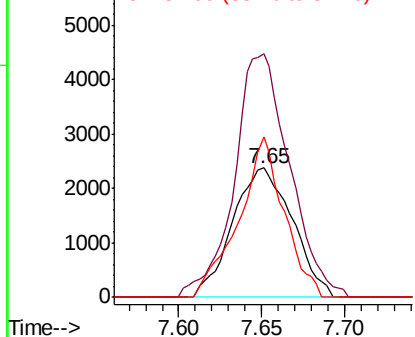
#31
Cyclohexane
Concen: 1.082 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057752.D
Acq: 7 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
T12-C2-(0)

Tgt Ion: 56 Resp: 5977
Ion Ratio Lower Upper
56 100
69 180.6 26.2 39.2#
84 124.0 59.8 89.8#

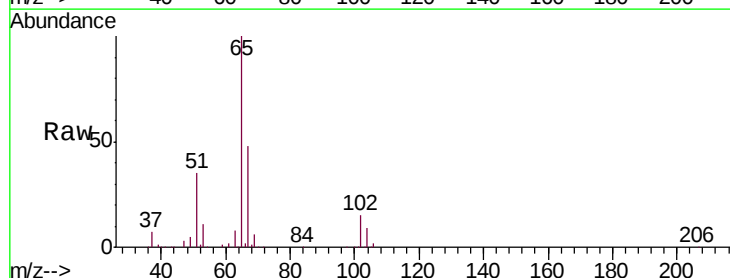


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

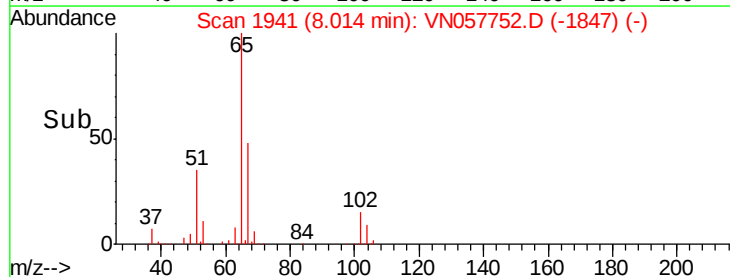
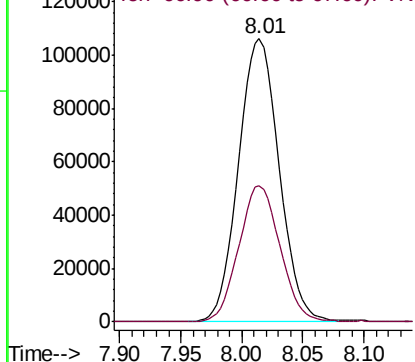


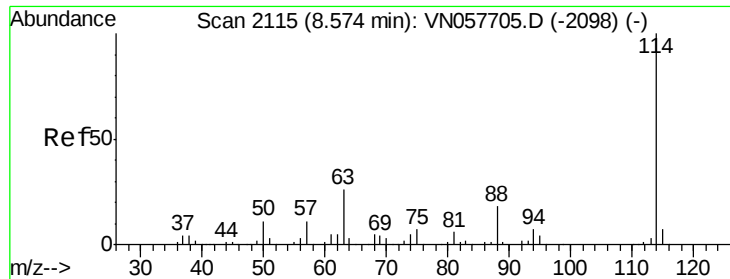
#33
1,2-Dichloroethane-d4
Concen: 49.784 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057752.D
Acq: 7 Sep 2019 14:44

Tgt Ion: 65 Resp: 244929
Ion Ratio Lower Upper
65 100
67 48.8 0.0 98.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

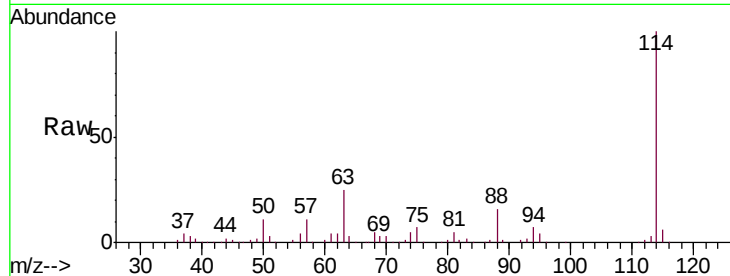




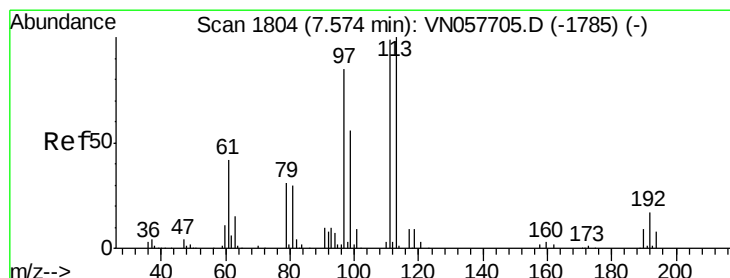
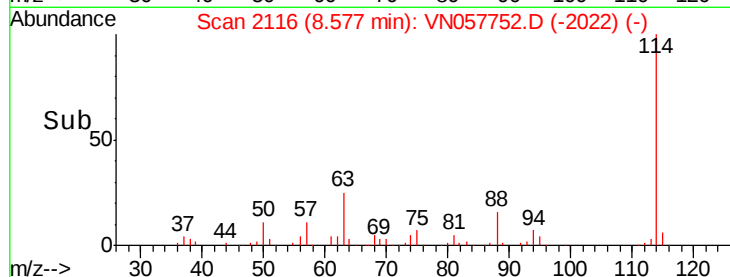
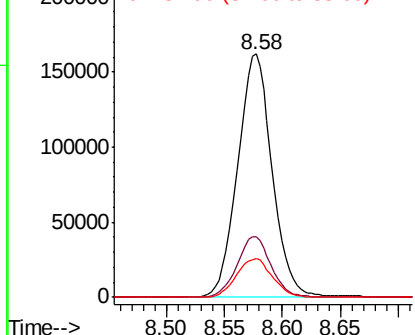
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057752.D
 Acq: 7 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C2-(0)

Tgt Ion:114 Resp: 333908
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 52.4
 88 15.9 0.0 35.4

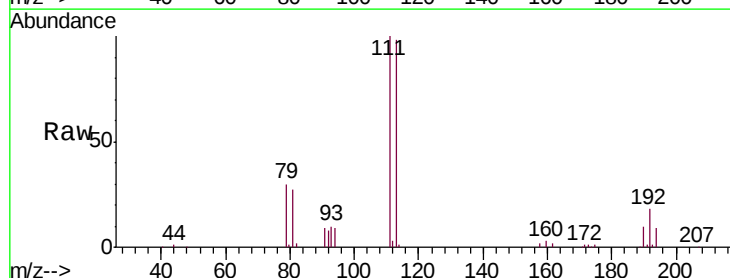


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

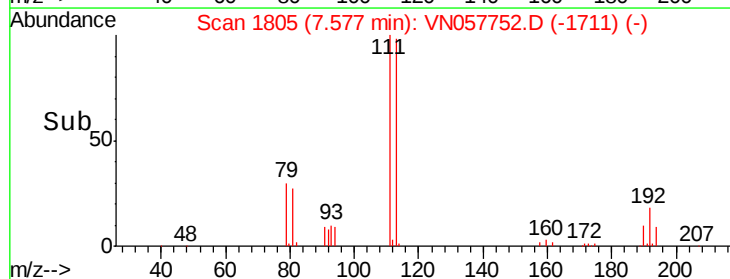
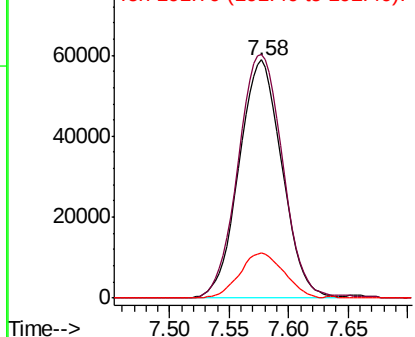


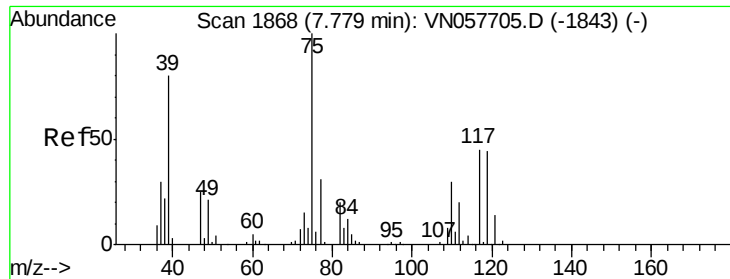
#35
 Dibromofluoromethane
 Concen: 48.430 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057752.D
 Acq: 7 Sep 2019 14:44

Tgt Ion:113 Resp: 147295
 Ion Ratio Lower Upper
 113 100
 111 106.6 82.7 124.1
 192 19.6 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: 4.389 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampled :

T12-C2-(0)

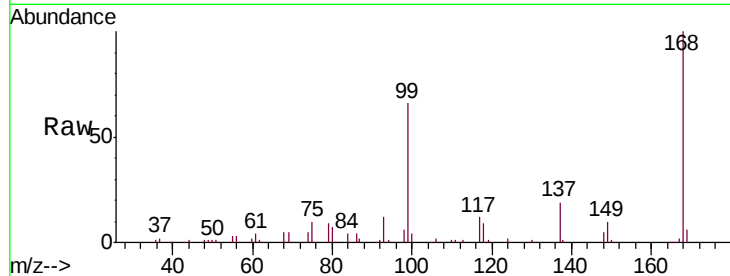
Tgt Ion: 75 Resp: 19498

Ion Ratio Lower Upper

75 100

110 9.9 15.0 45.0#

77 0.0 24.6 37.0#

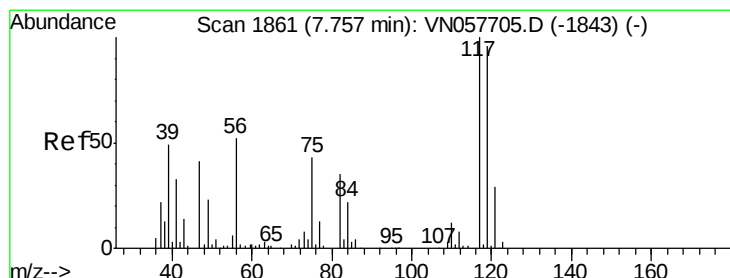
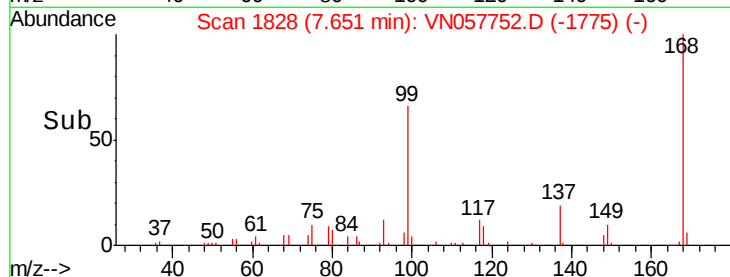


Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-1843) (-)

Ion 109.90 (109.60 to 110.60): VN057705.D (-1843) (-)

Ion 76.90 (76.60 to 77.60): VN057705.D (-1843) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.322 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

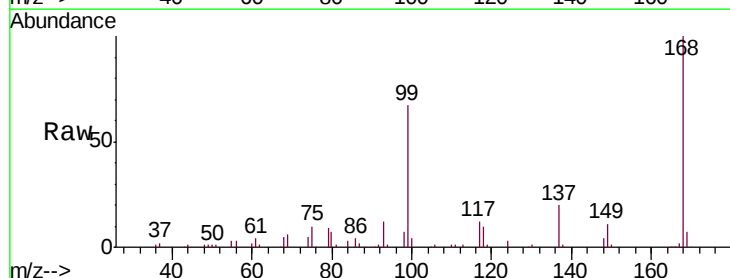
Tgt Ion: 117 Resp: 22636

Ion Ratio Lower Upper

117 100

119 6.1 76.1 114.1#

121 0.0 23.4 35.2#

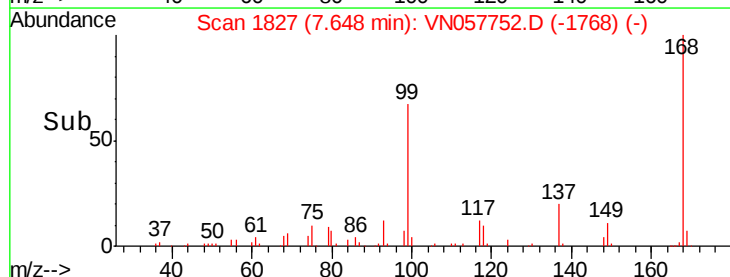


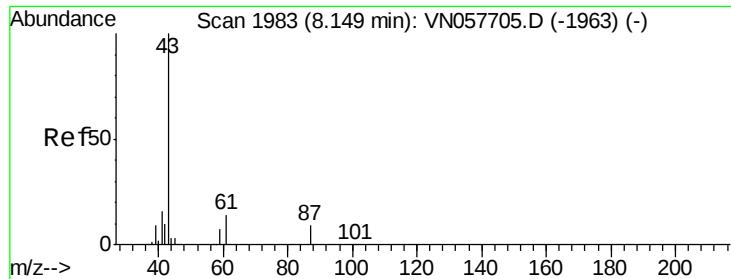
Abundance Ion 116.80 (116.50 to 117.50): VN057705.D (-1843) (-)

Ion 118.80 (118.50 to 119.50): VN057705.D (-1843) (-)

Ion 120.80 (120.50 to 121.50): VN057705.D (-1843) (-)

Time-->





#43

Isopropyl Acetate

Concen: 6.152 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

T12-C2-(0)

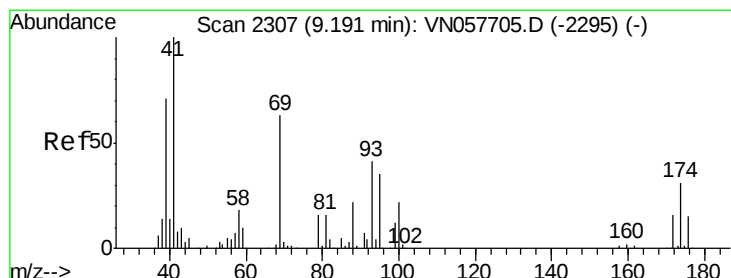
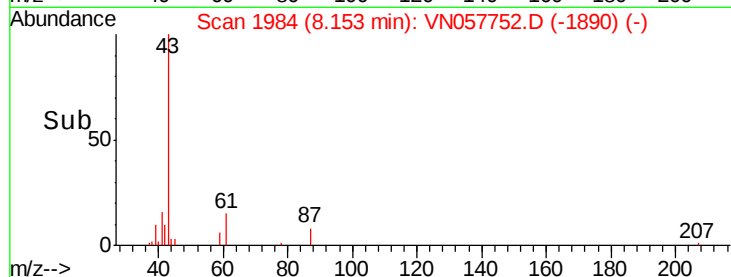
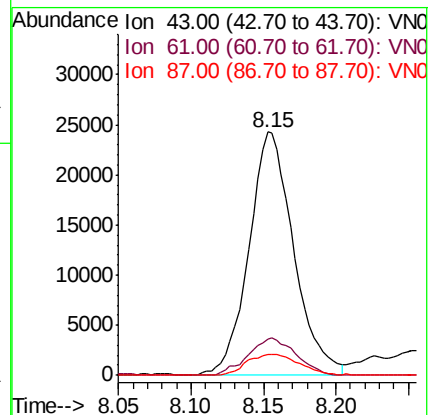
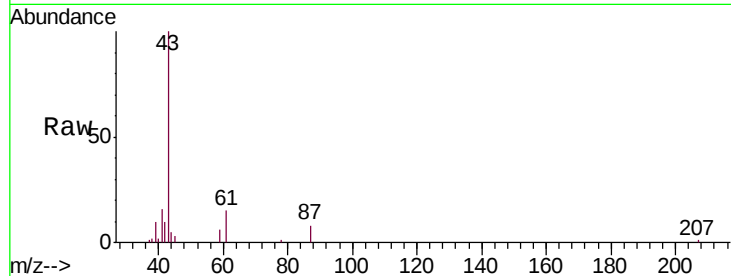
Tgt Ion: 43 Resp: 52078

Ion Ratio Lower Upper

43 100

61 16.2 12.8 19.2

87 10.1 7.8 11.8



#48

Methyl methacrylate

Concen: 0.943 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.02 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

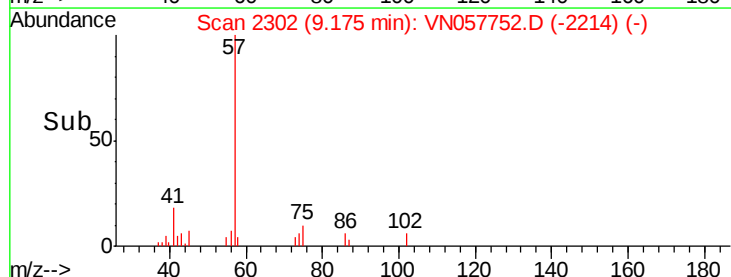
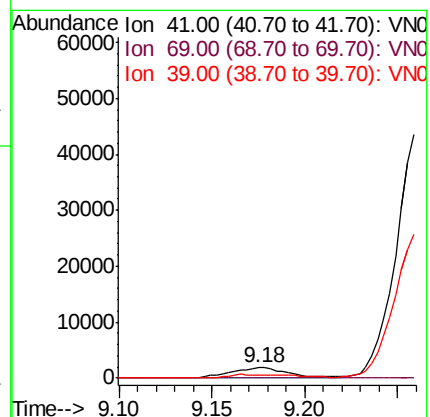
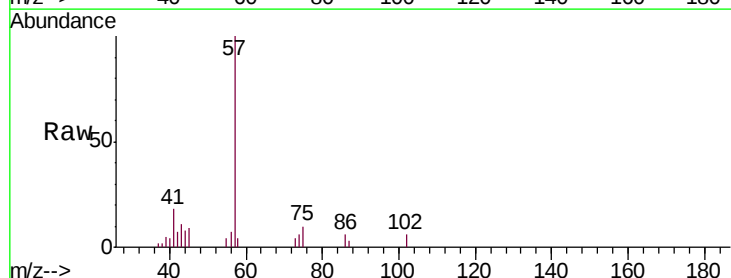
Tgt Ion: 41 Resp: 4104

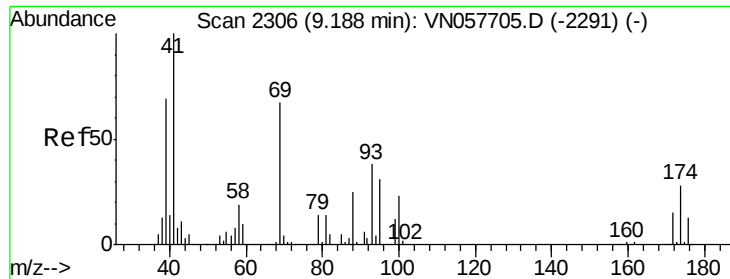
Ion Ratio Lower Upper

41 100

69 0.0 51.2 76.8#

39 0.0 57.3 85.9#





#49

1,4-Dioxane

Concen: 0.651 ug/l

RT: 9.31 min Scan# 2345

Delta R.T. 0.13 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

T12-C2-(0)

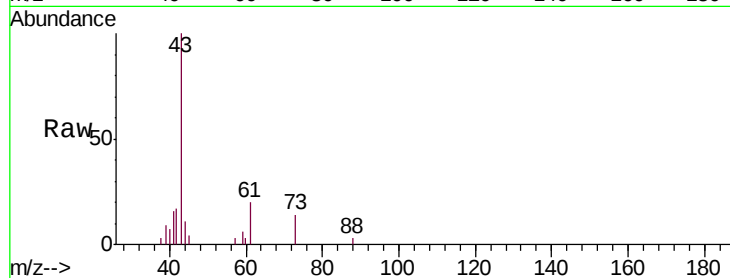
Tgt Ion: 88 Resp: 33

Ion Ratio Lower Upper

88 100

43 0.0 35.4 53.2#

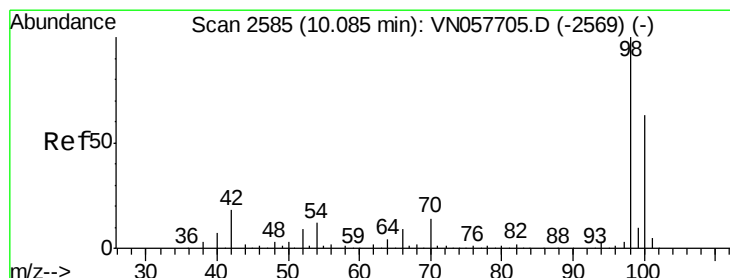
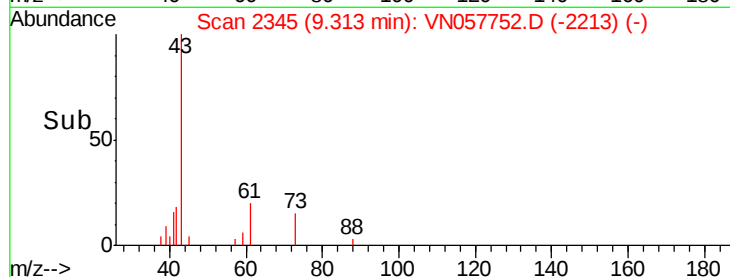
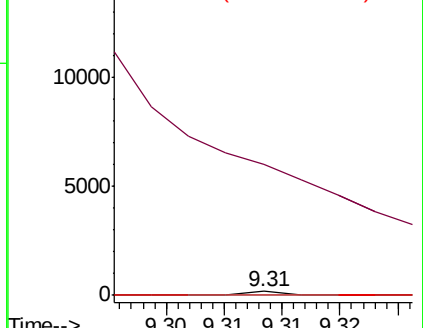
58 0.0 61.5 92.3#



Abundance Ion 88.00 (87.70 to 88.70): VN057752.D (-2213) (-)

Ion 43.00 (42.70 to 43.70): VN057752.D (-2213) (-)

Ion 58.00 (57.70 to 58.70): VN057752.D (-2213) (-)



#50

Toluene-d8

Concen: 50.656 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057752.D

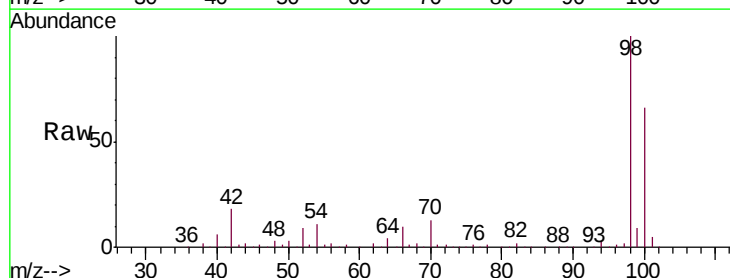
Acq: 7 Sep 2019 14:44

Tgt Ion: 98 Resp: 569922

Ion Ratio Lower Upper

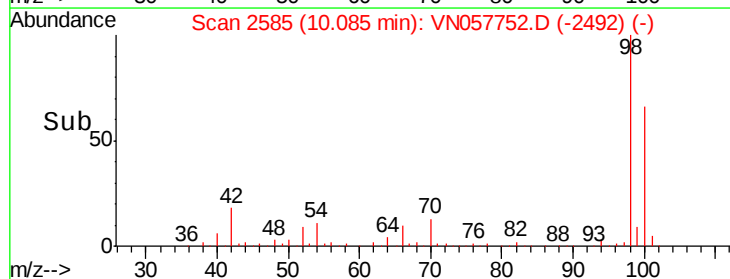
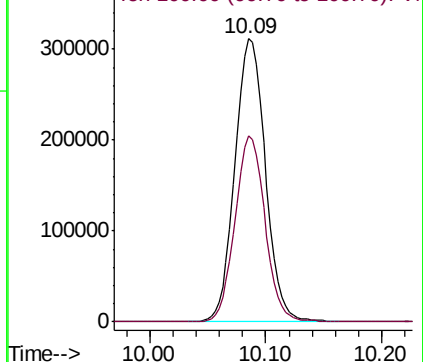
98 100

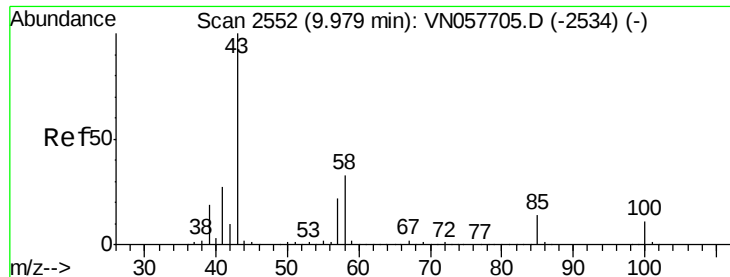
100 64.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057752.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN057752.D (-2492) (-)





#51

4-Methyl-2-Pentanone

Concen: 1.008 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampled :

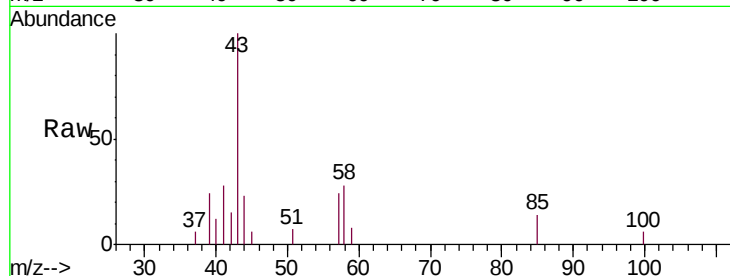
T12-C2-(0)

Tgt Ion: 43 Resp: 4738

Ion Ratio Lower Upper

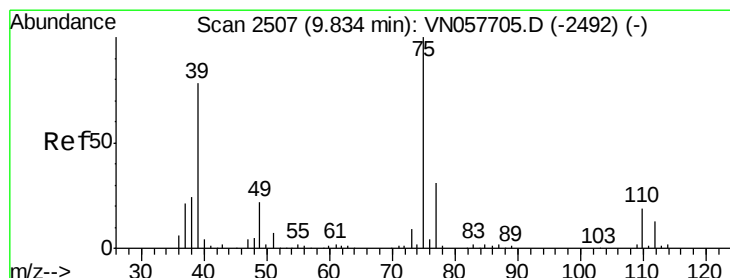
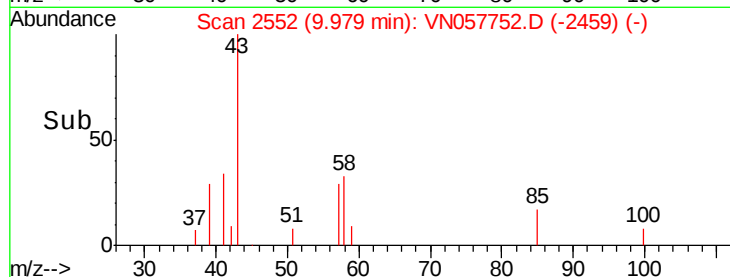
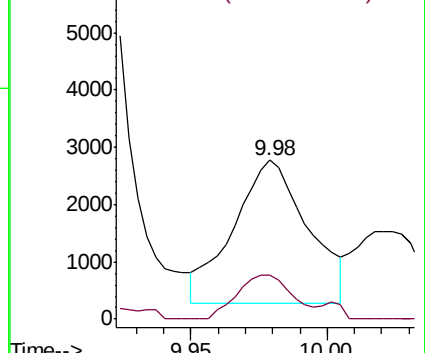
43 100

58 22.8 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.133 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

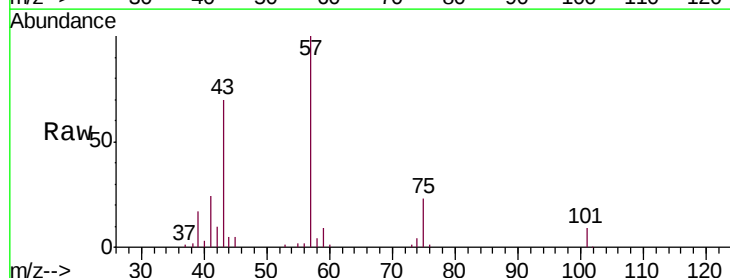
Tgt Ion: 75 Resp: 21462

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

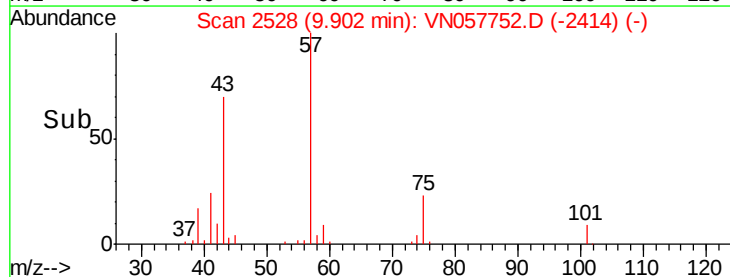
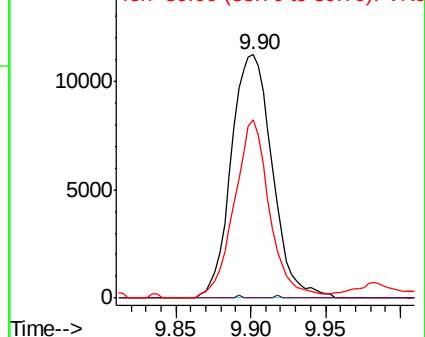
39 73.1 62.4 93.6

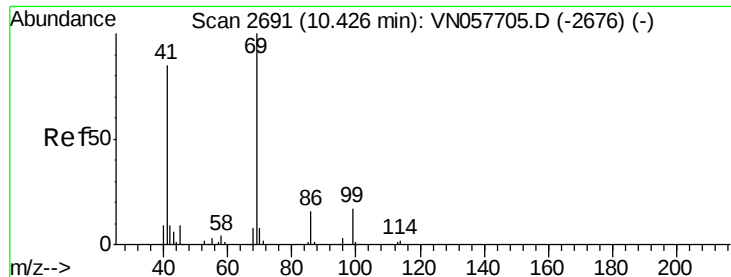


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.201 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampled :

T12-C2-(0)

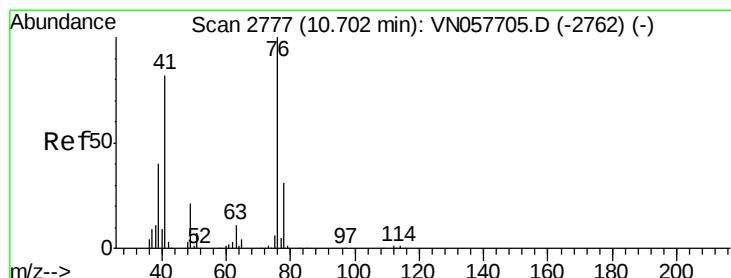
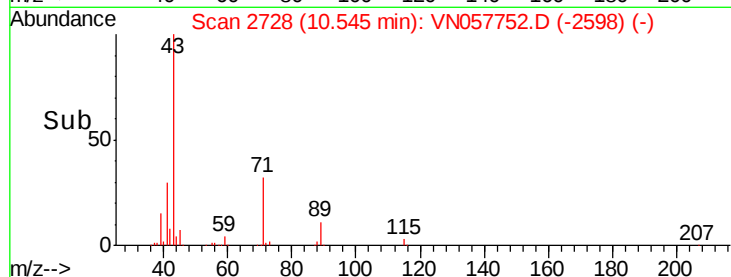
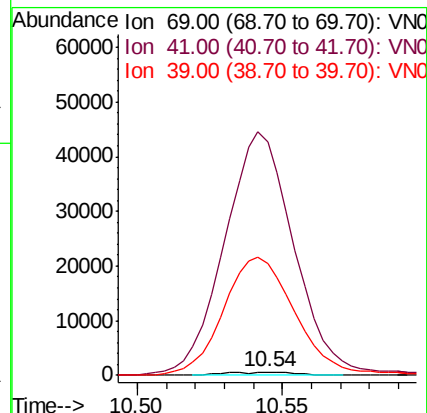
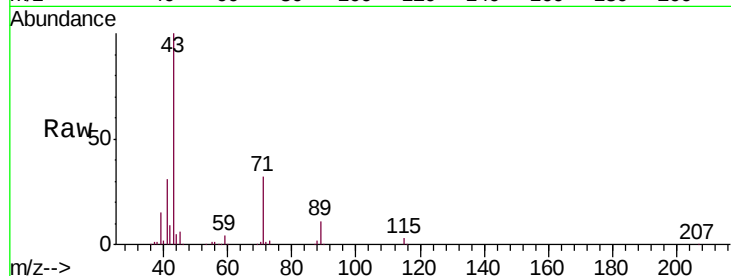
Tgt Ion: 69 Resp: 982

Ion Ratio Lower Upper

69 100

41 7592.1 69.0 103.4#

39 3798.9 49.2 73.8#



#57

1,3-Dichloropropane

Concen: 0.622 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057752.D

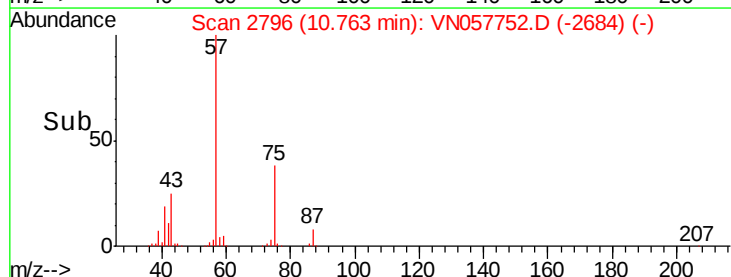
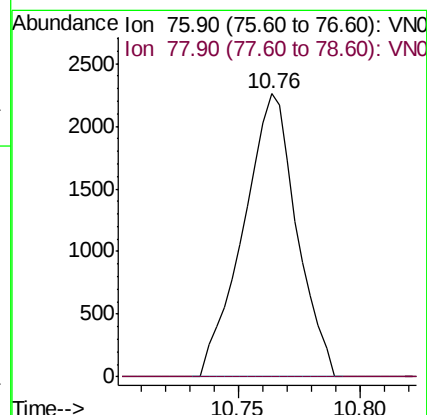
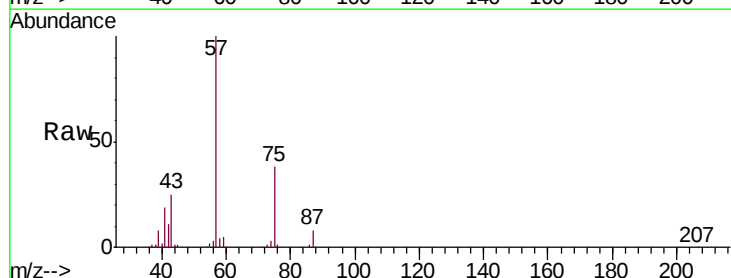
Acq: 7 Sep 2019 14:44

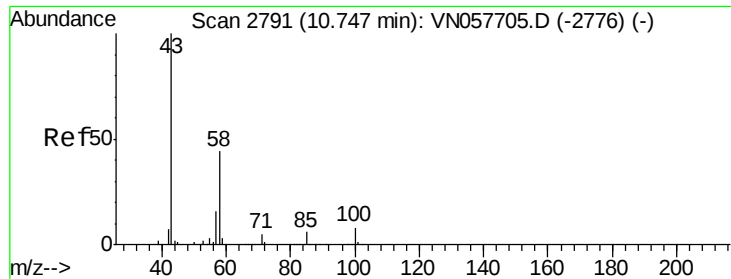
Tgt Ion: 76 Resp: 3423

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#

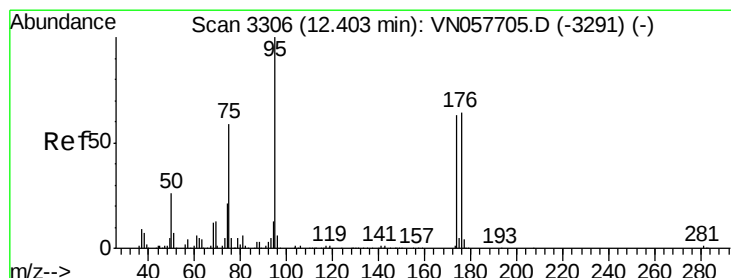
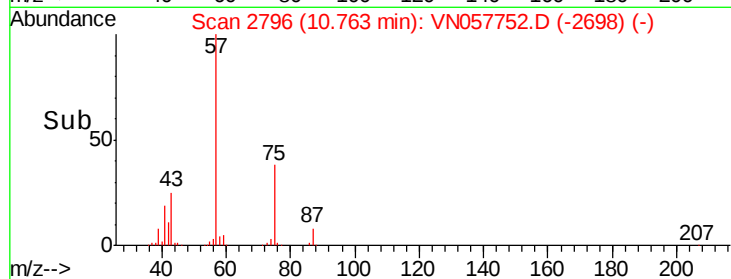
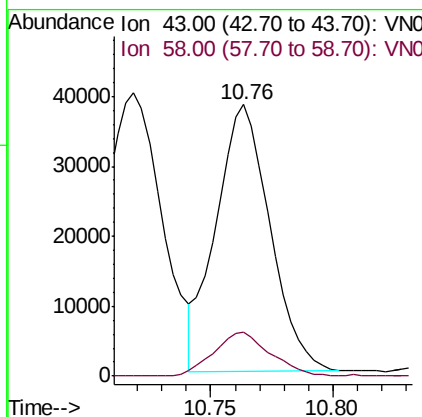
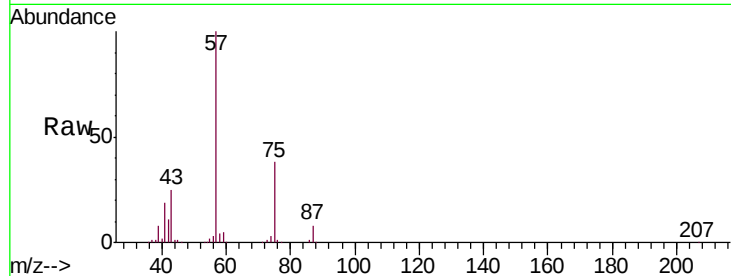




#59
2-Hexanone
Concen: 17.736 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057752.D
Acq: 7 Sep 2019 14:44

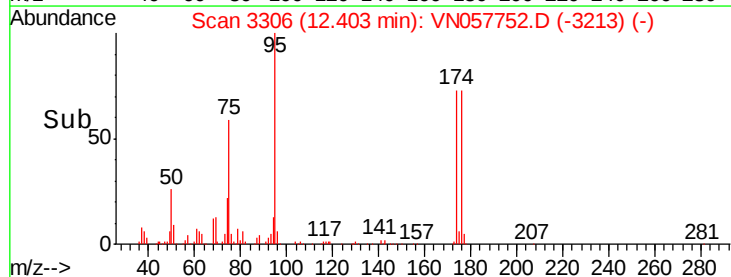
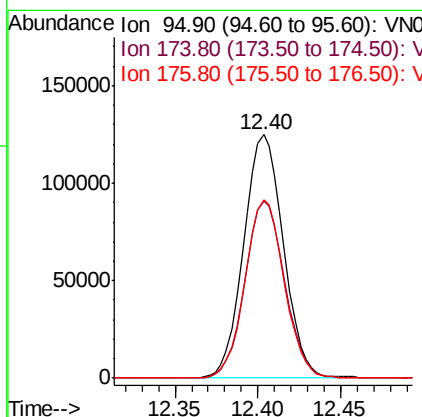
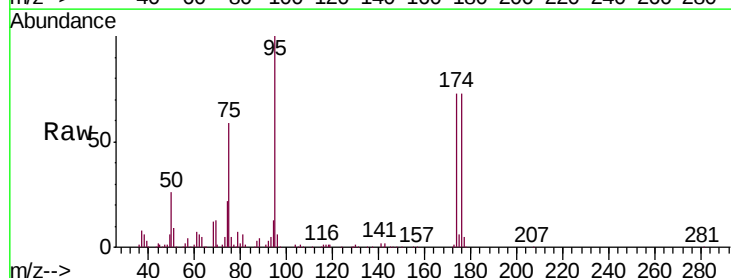
Instrument :
MSVOA_N
ClientSampleId :
T12-C2-(0)

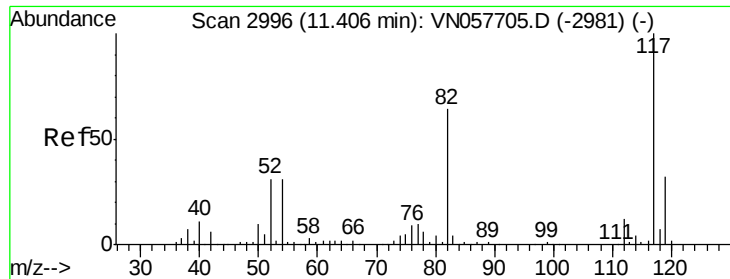
Tgt Ion: 43 Resp: 58793
Ion Ratio Lower Upper
43 100
58 17.3 22.1 66.5#



#62
4-Bromofluorobenzene
Concen: 44.387 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057752.D
Acq: 7 Sep 2019 14:44

Tgt Ion: 95 Resp: 207422
Ion Ratio Lower Upper
95 100
174 73.3 0.0 128.0
176 72.4 0.0 128.0

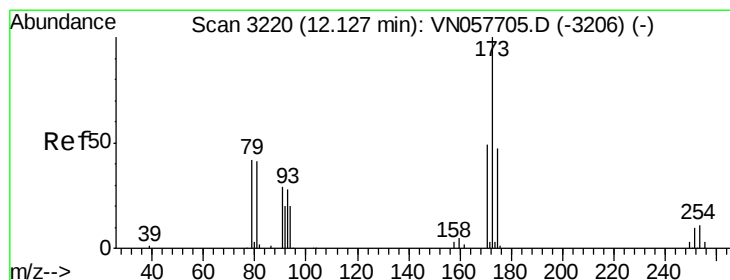
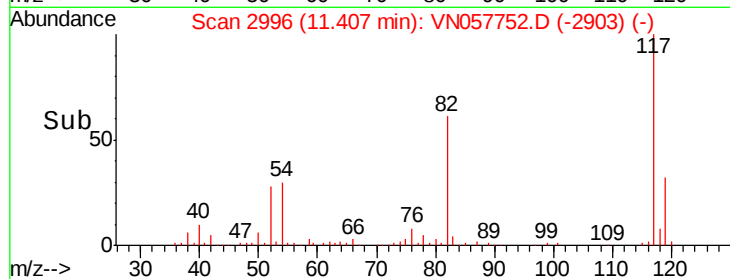
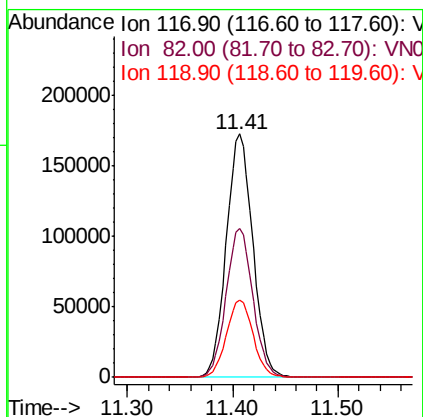
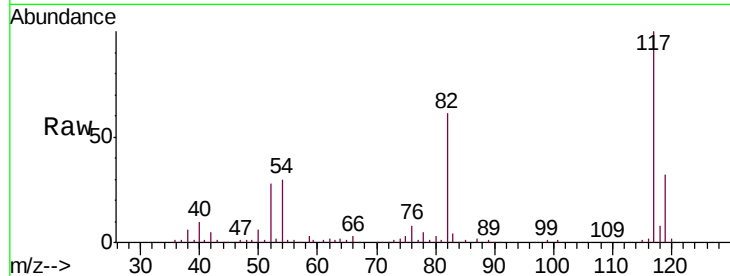




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057752.D
Acq: 7 Sep 2019 14:44

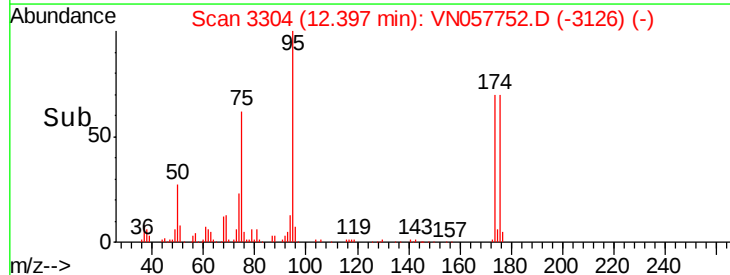
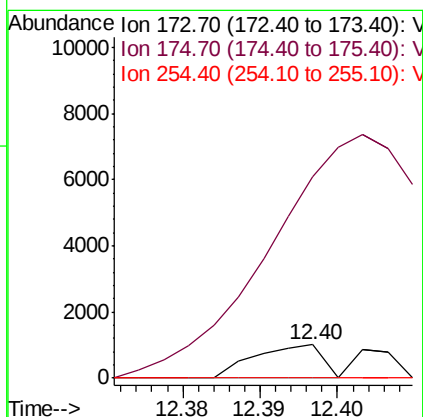
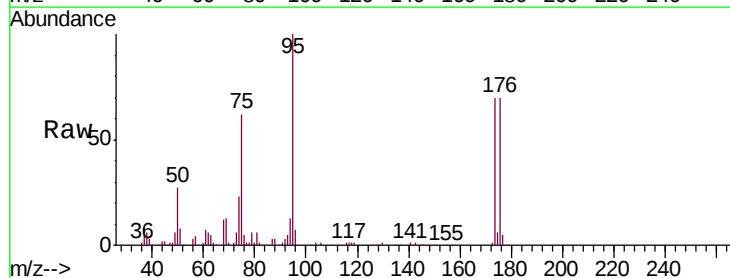
Instrument :
MSVOA_N
ClientSampleId :
T12-C2-(0)

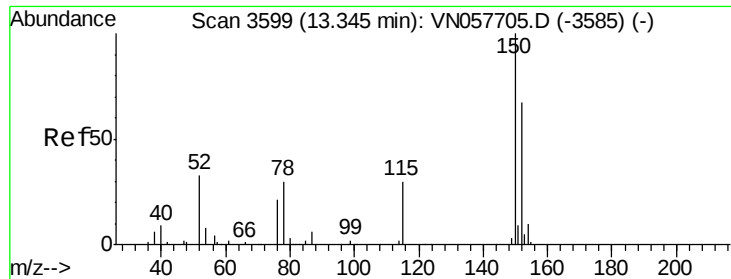
Tgt Ion:117 Resp: 300961
Ion Ratio Lower Upper
117 100
82 61.3 51.4 77.0
119 31.6 25.4 38.2



#71
Bromoform
Concen: 3.520 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN057752.D
Acq: 7 Sep 2019 14:44

Tgt Ion:173 Resp: 606
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: VN057752.D

Acq: 7 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

T12-C2-(0)

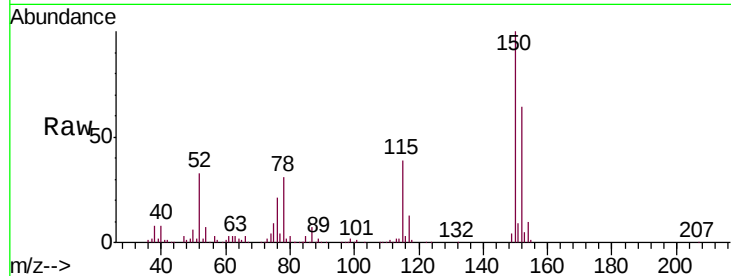
Tgt Ion:152 Resp: 155958

Ion Ratio Lower Upper

152 100

115 63.5 33.8 101.3

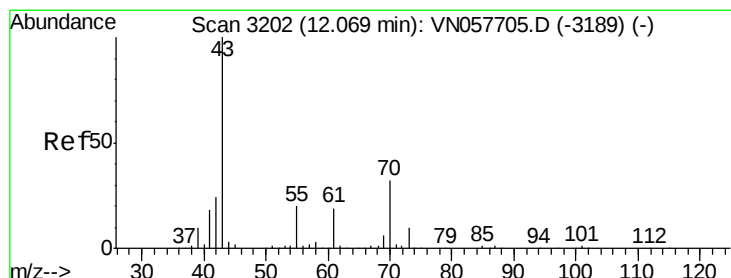
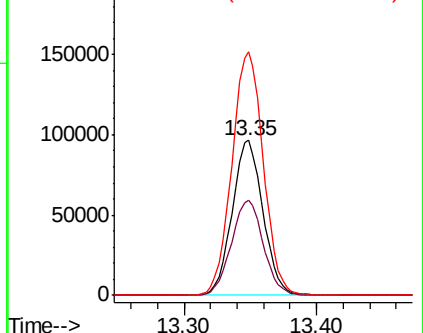
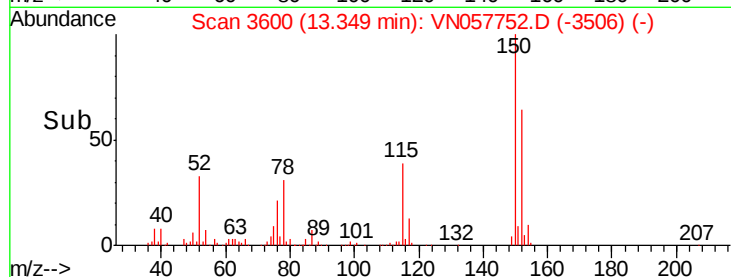
150 159.7 0.0 345.4



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



#74

N-ethyl acetate

Concen: 0.223 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

Tgt Ion: 43 Resp: 1539

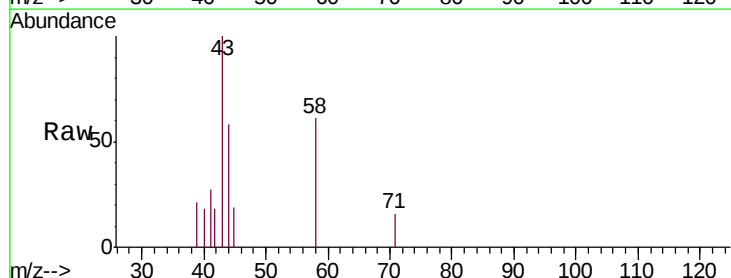
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 0.0 16.3 24.5#

61 0.0 15.0 22.4#

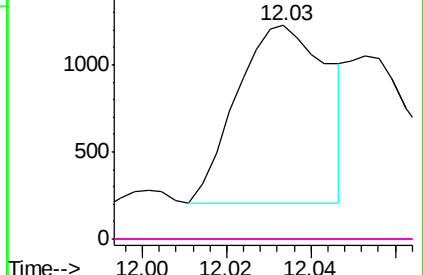
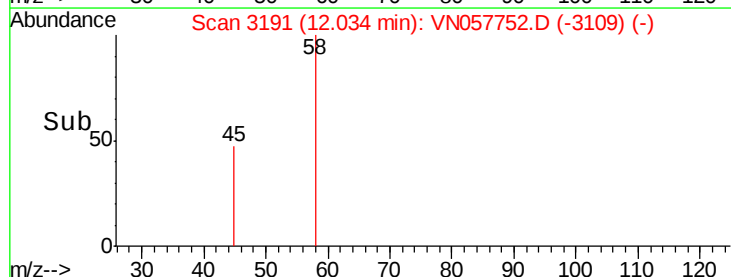


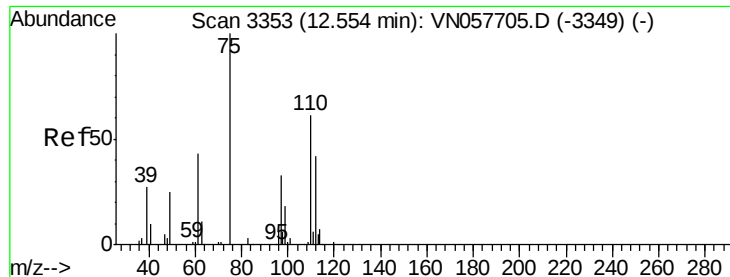
Abundance Ion 43.00 (42.70 to 43.70): V

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: 34.947 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

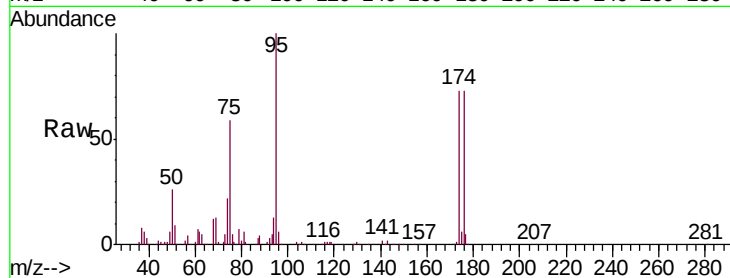
T12-C2-(0)

Tgt Ion: 75 Resp: 125159

Ion Ratio Lower Upper

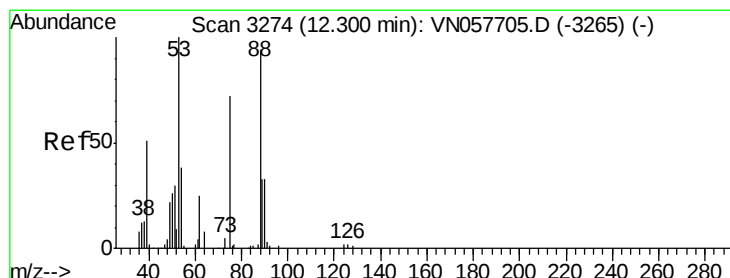
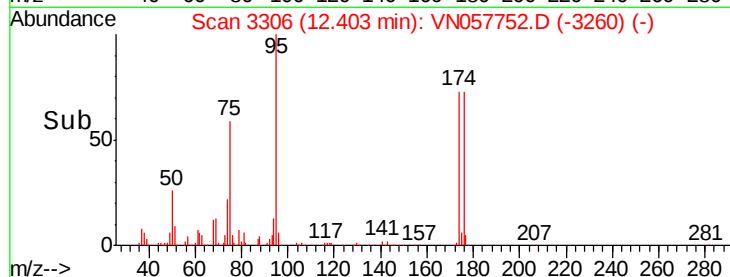
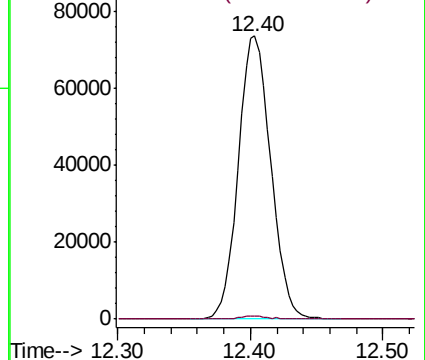
75 100

77 0.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 108.686 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057752.D

Acq: 7 Sep 2019 14:44

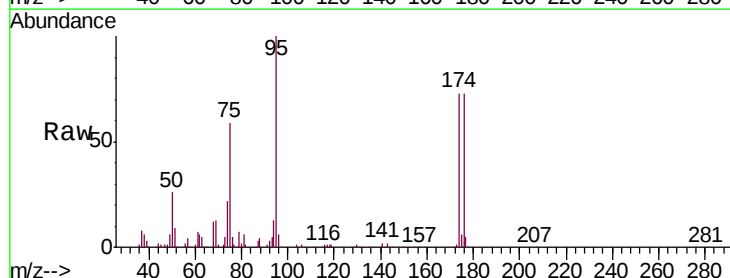
Tgt Ion: 75 Resp: 125159

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

