

Data File : VN057754.D
Acq On : 7 Sep 2019 15:29
Operator : JC/SP
Sample : K4581-25
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-C4-(0)

Quant Time: Sep 08 06:35:30 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	204225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	332311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	302795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	156812	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	253300	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	7.58	113	152896	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.08	98	579684	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.40	95	209210	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	

Target Compounds

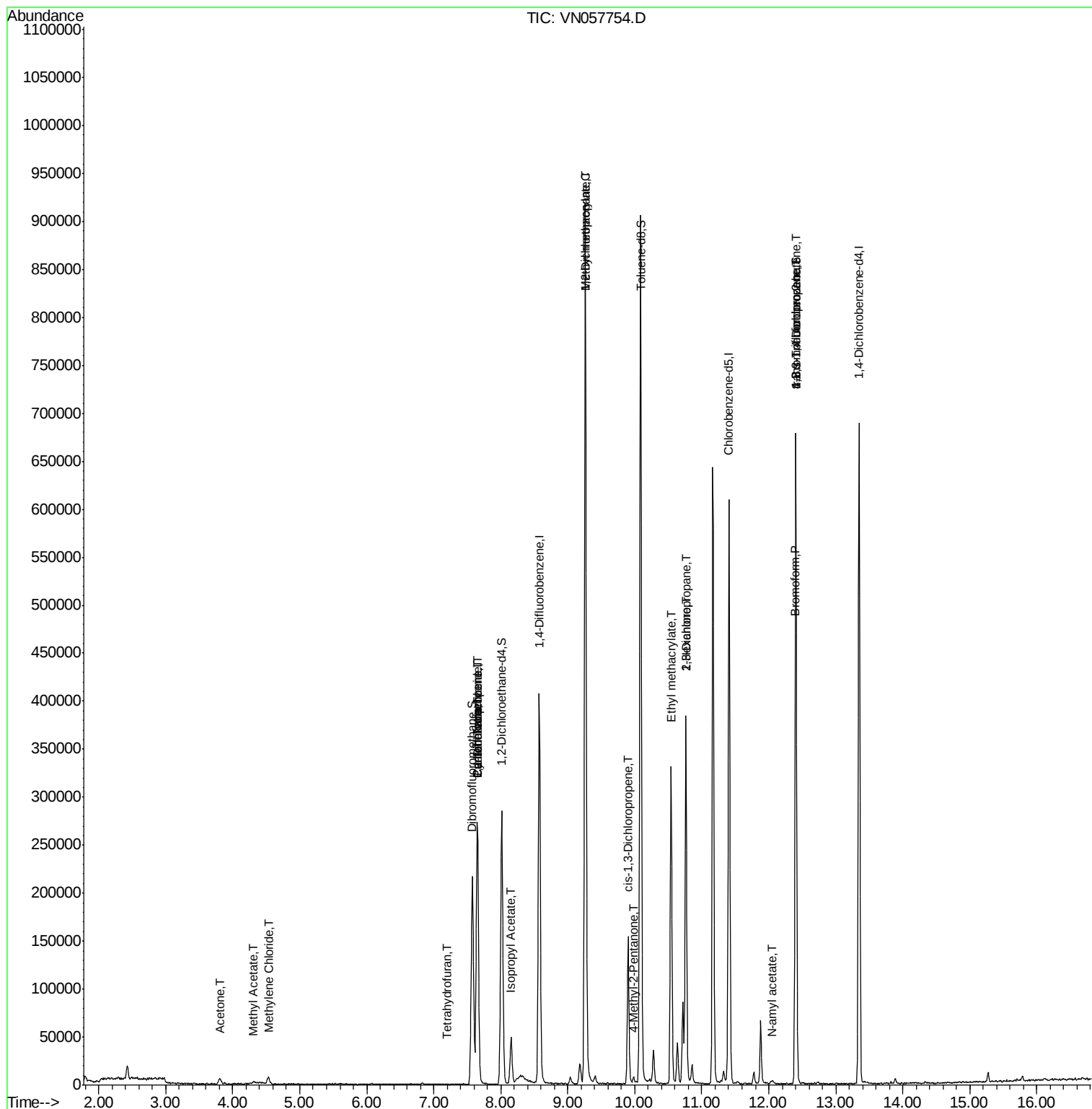
						Qvalue
3) Chloromethane	2.04	50	843	Below Cal	#	76
16) Acetone	3.80	43	10533	6.889	ug/l	97
18) Methyl Acetate	4.31	43	4667	1.123	ug/l #	65
20) Methylene Chloride	4.53	84	3787	1.146	ug/l #	95
29) Tetrahydrofuran	7.20	42	456	0.323	ug/l #	40
31) Cyclohexane	7.65	56	6354	1.139	ug/l #	32
36) 1,1-Dichloropropene	7.65	75	19891	4.499	ug/l #	53
38) Carbon Tetrachloride	7.65	117	23105	5.458	ug/l #	17
43) Isopropyl Acetate	8.16	43	56849	6.748	ug/l	99
45) 1,2-Dichloropropane	9.26	63	977	0.279	ug/l #	44
48) Methyl methacrylate	9.26	41	95290	21.994	ug/l #	57
51) 4-Methyl-2-Pentanone	9.98	43	3865	0.826	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	22603	4.374	ug/l #	63
56) Ethyl methacrylate	10.54	69	1026	0.211	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3296	0.602	ug/l #	43
59) 2-Hexanone	10.76	43	63148	19.141	ug/l #	58
71) Bromoform	12.38	173	90	3.283	ug/l #	28
74) N-amyl acetate	12.04	43	1854	0.268	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	125775	34.928	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	125775	108.626	ug/l #	1

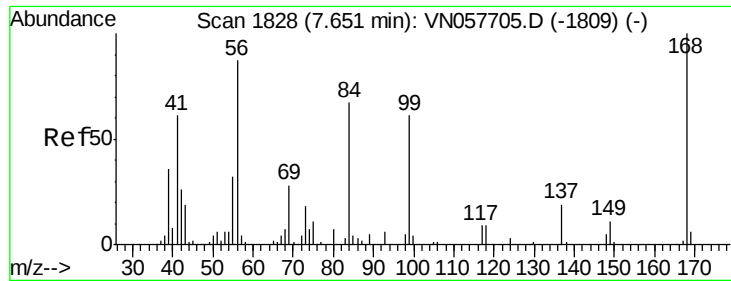
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057754.D

Acq: 7 Sep 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

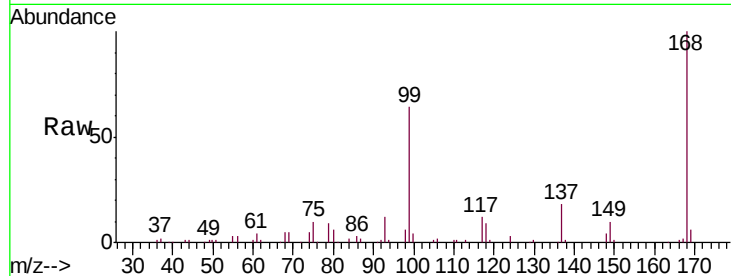
T12-C4-(0)

Tgt Ion:168 Resp: 204225

Ion Ratio Lower Upper

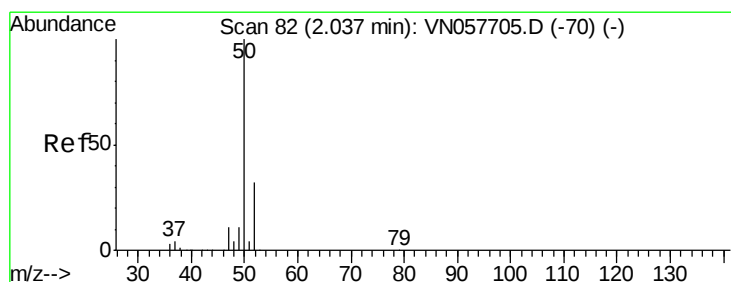
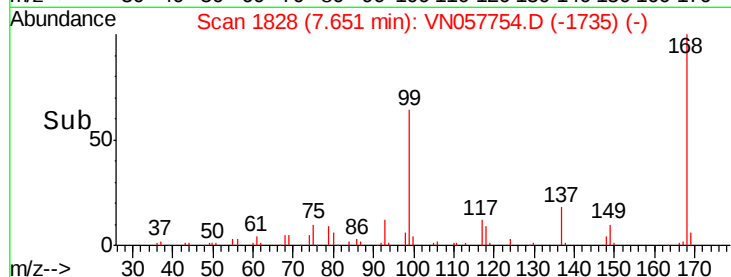
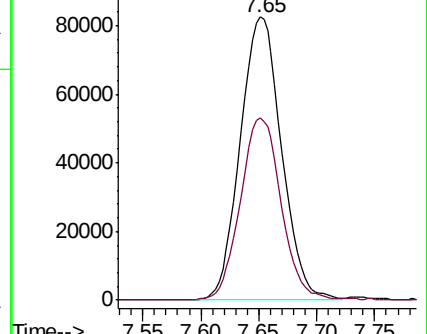
168 100

99 64.4 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057754.D

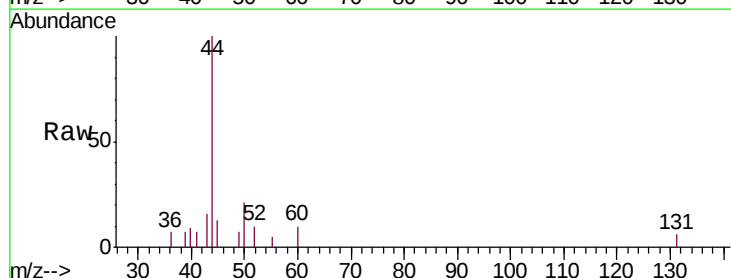
Acq: 7 Sep 2019 15:29

Tgt Ion: 50 Resp: 843

Ion Ratio Lower Upper

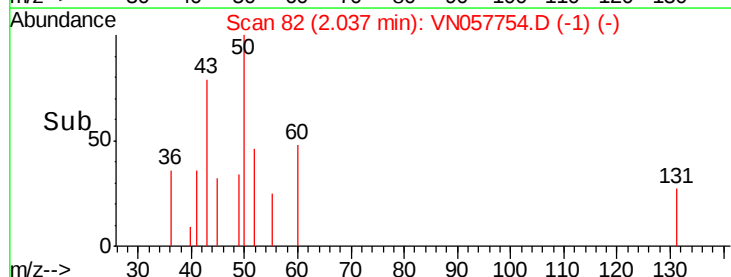
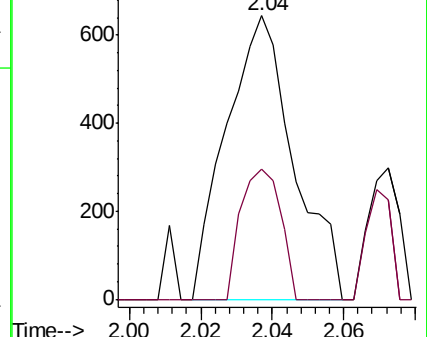
50 100

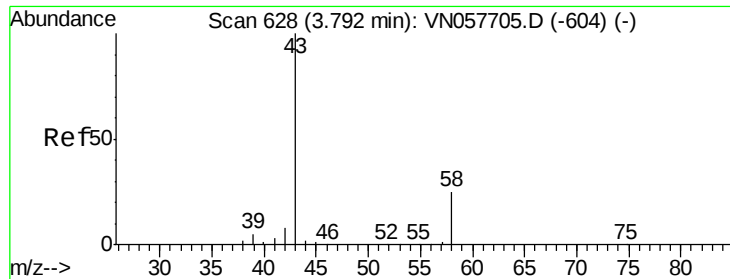
52 45.8 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#16

Acetone

Concen: 6.889 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057754.D

Acq: 7 Sep 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

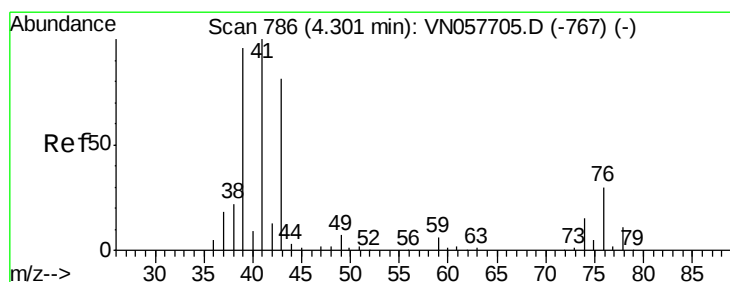
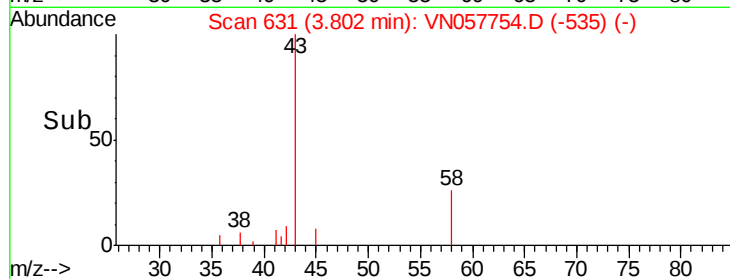
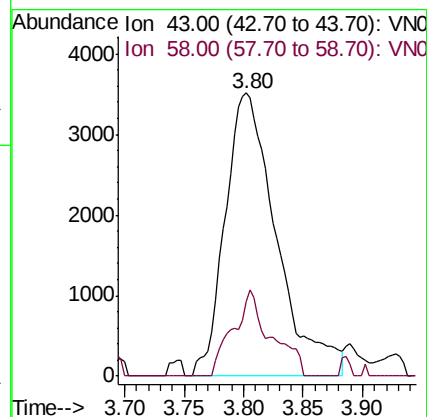
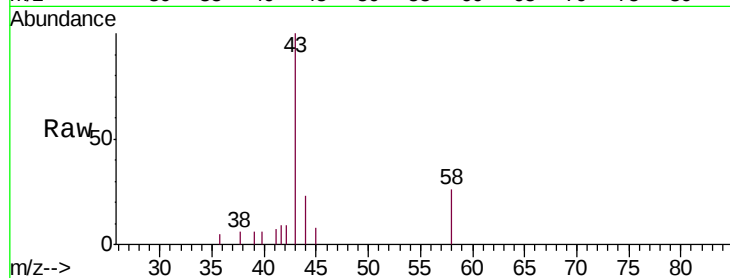
T12-C4-(0)

Tgt Ion: 43 Resp: 10533

Ion Ratio Lower Upper

43 100

58 26.4 19.8 29.8



#18

Methyl Acetate

Concen: 1.123 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN057754.D

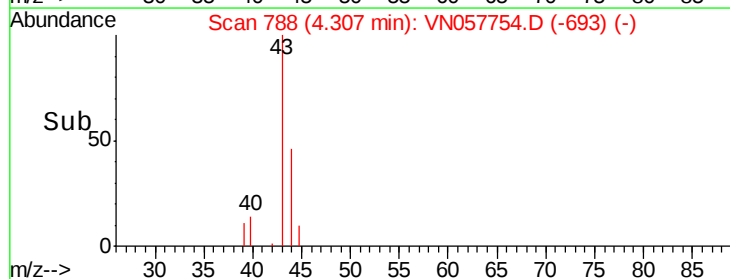
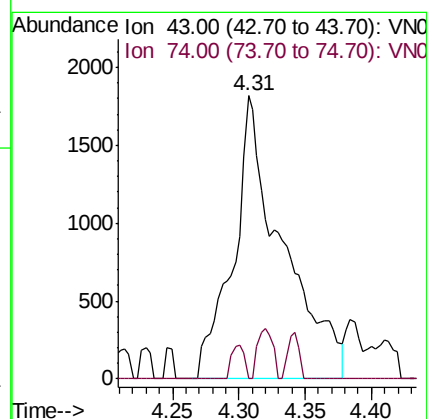
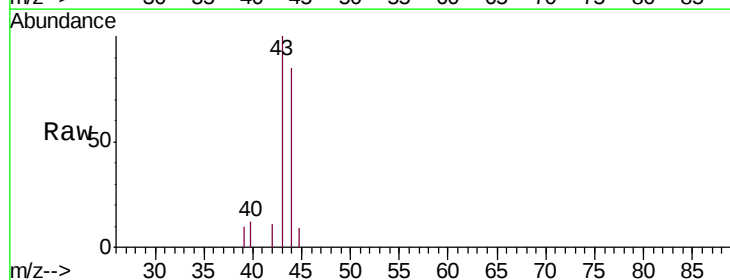
Acq: 7 Sep 2019 15:29

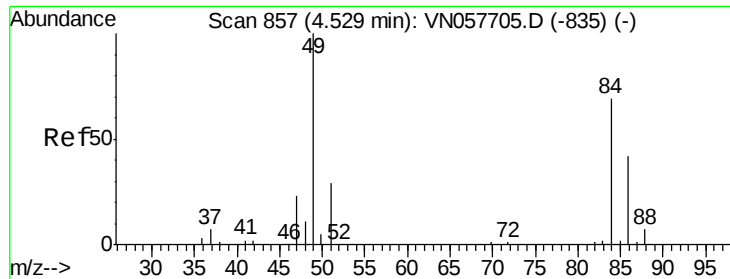
Tgt Ion: 43 Resp: 4667

Ion Ratio Lower Upper

43 100

74 3.1 15.3 22.9#

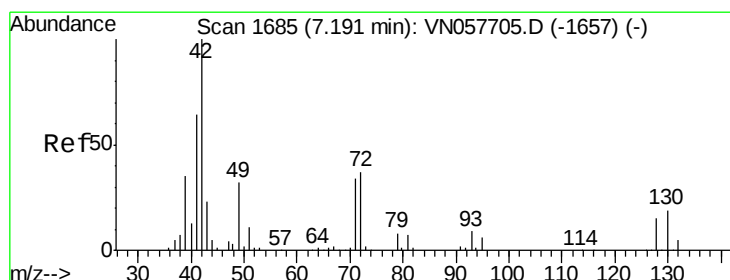
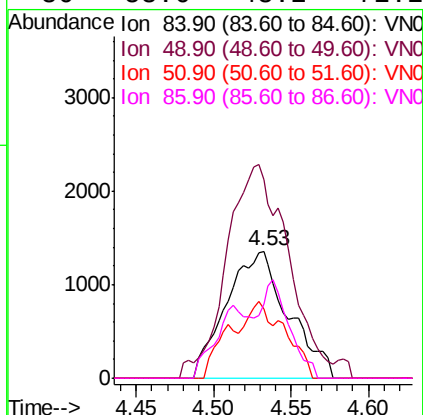
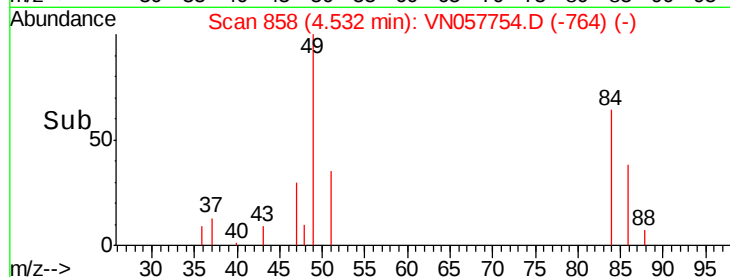
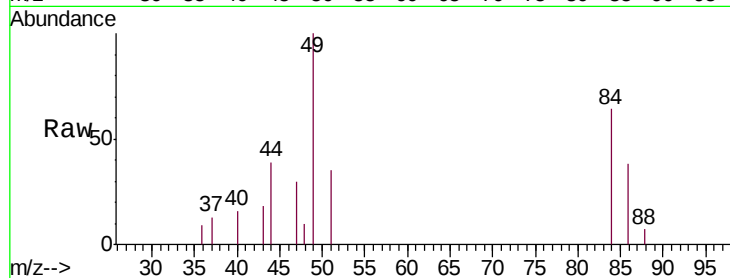




#20
Methylene Chloride
Concen: 1.146 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

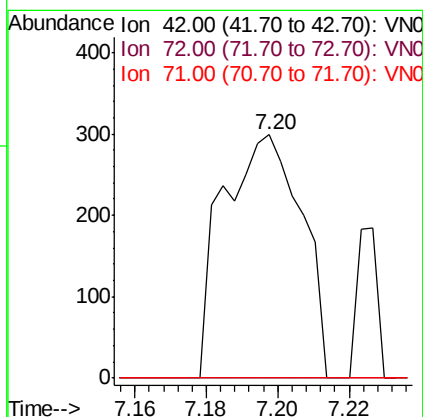
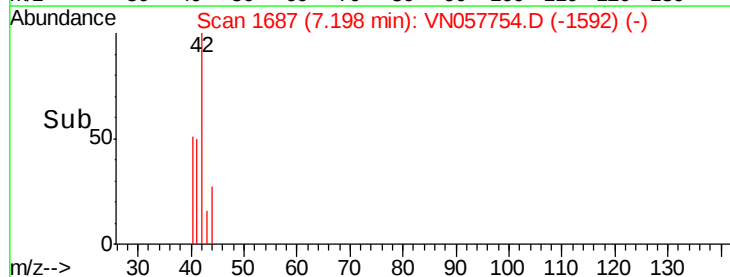
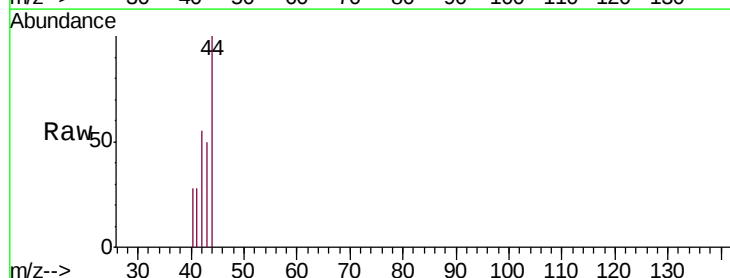
Instrument :
MSVOA_N
ClientSampled :
T12-C4-(0)

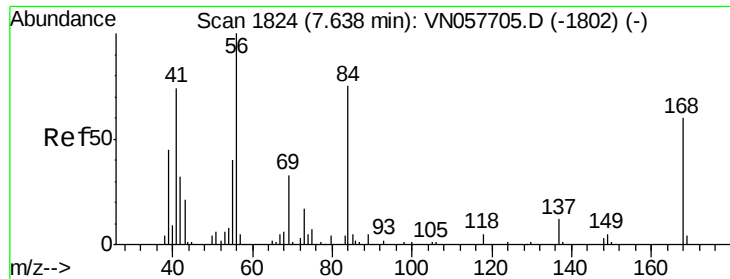
Tgt Ion: 84 Resp: 3787
Ion Ratio Lower Upper
84 100
49 142.0 115.0 172.6
51 54.7 33.8 50.8#
86 58.6 48.2 72.2



#29
Tetrahydrofuran
Concen: 0.323 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

Tgt Ion: 42 Resp: 456
Ion Ratio Lower Upper
42 100
72 0.0 29.2 43.8#
71 0.0 27.0 40.4#

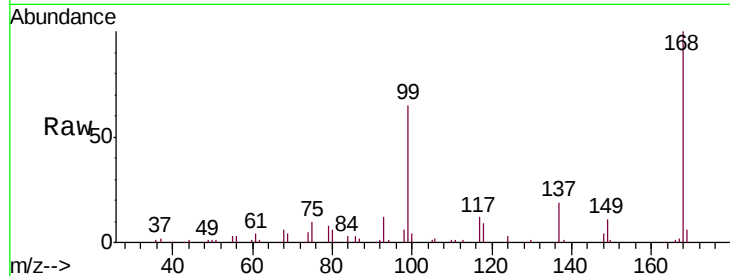




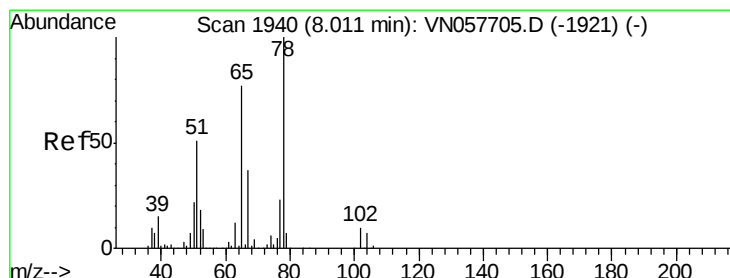
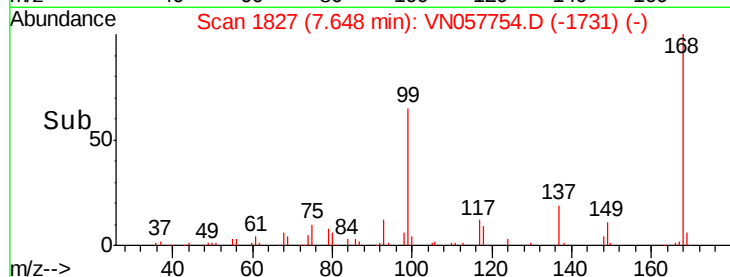
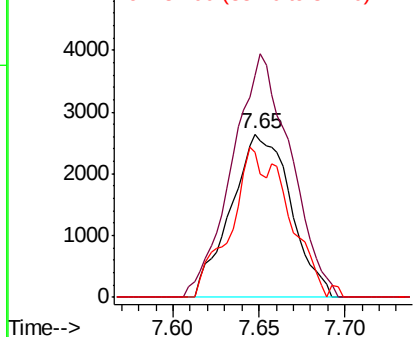
#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
T12-C4-(0)

Tgt Ion: 56 Resp: 6354
Ion Ratio Lower Upper
56 100
69 136.0 26.2 39.2#
84 89.2 59.8 89.8

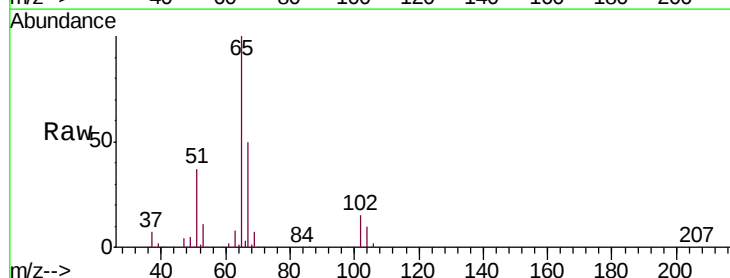


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

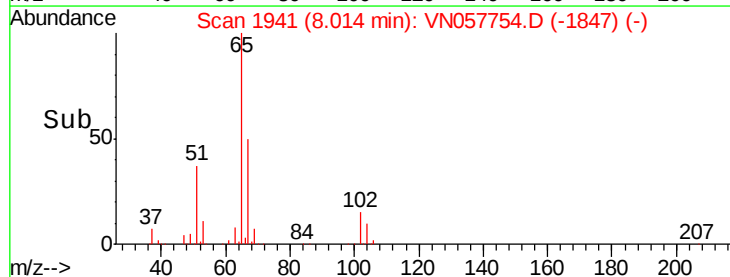
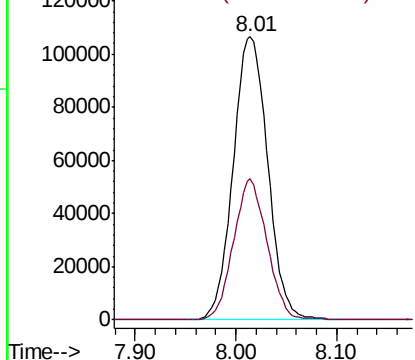


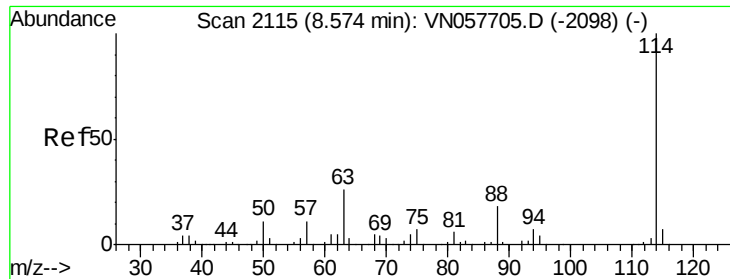
#33
1,2-Dichloroethane-d4
Concen: 50.985 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

Tgt Ion: 65 Resp: 253300
Ion Ratio Lower Upper
65 100
67 48.2 0.0 98.2



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

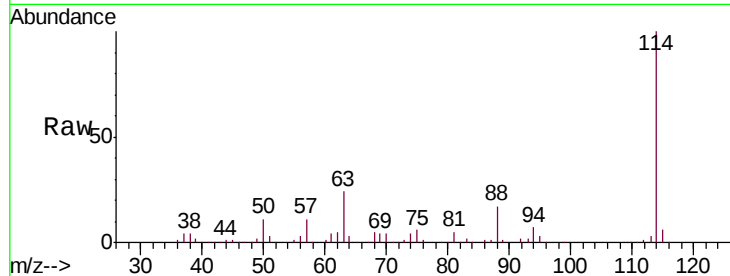




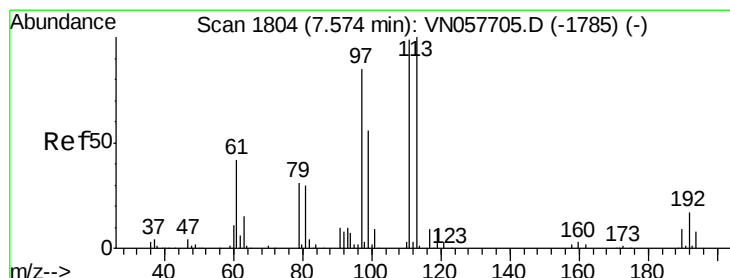
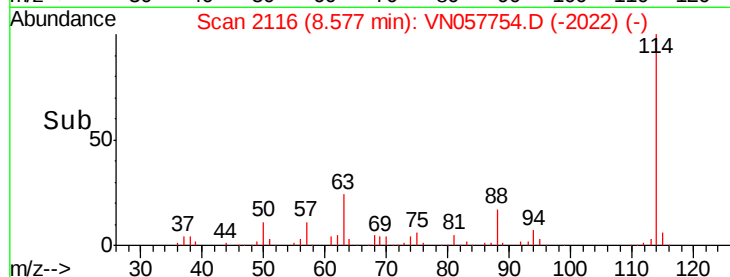
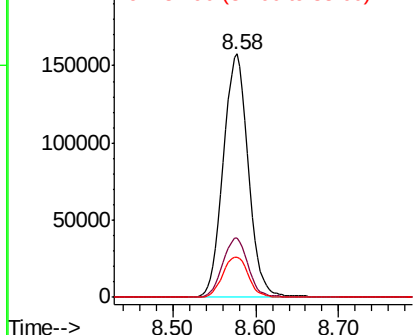
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057754.D
 Acq: 7 Sep 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C4-(0)

Tgt Ion:114 Resp: 332311
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 52.4
 88 16.7 0.0 35.4

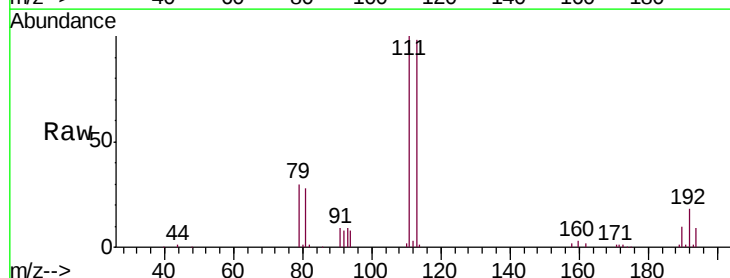


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

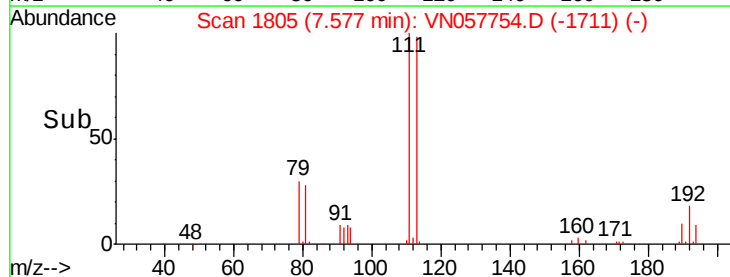
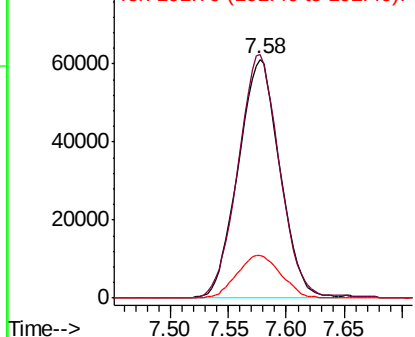


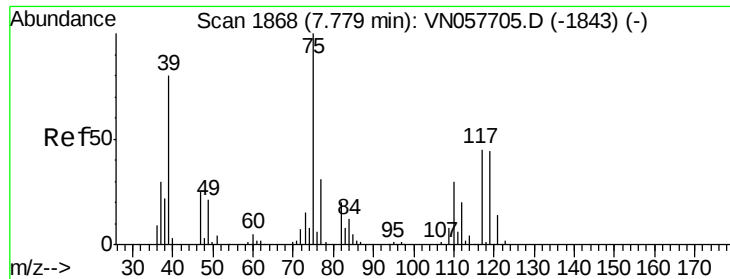
#35
 Dibromofluoromethane
 Concen: 50.513 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057754.D
 Acq: 7 Sep 2019 15:29

Tgt Ion:113 Resp: 152896
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.7 124.1
 192 18.9 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: 4.499 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN057754.D

Acq: 7 Sep 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

T12-C4-(0)

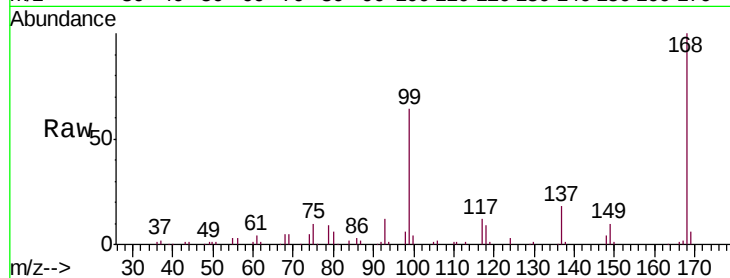
Tgt Ion: 75 Resp: 19891

Ion Ratio Lower Upper

75 100

110 9.2 15.0 45.0#

77 0.0 24.6 37.0#

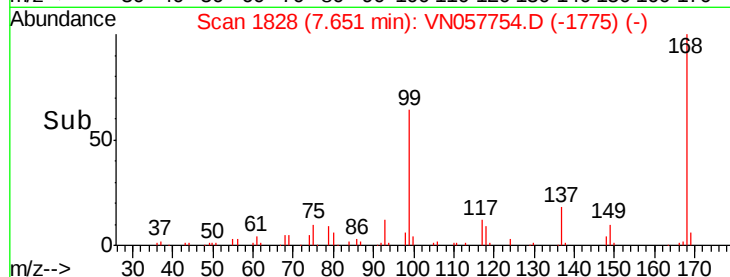


Abundance Ion 74.90 (74.60 to 75.60): VN057705.D (-1843) (-)

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

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

Time-->

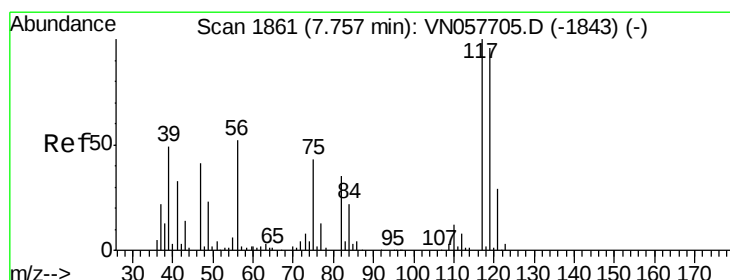


Abundance Ion 74.90 (74.60 to 75.60): VN057754.D (-1775) (-)

Ion 109.90 (109.60 to 110.60): VN057754.D (-1775) (-)

Ion 76.90 (76.60 to 77.60): VN057754.D (-1775) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.458 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN057754.D

Acq: 7 Sep 2019 15:29

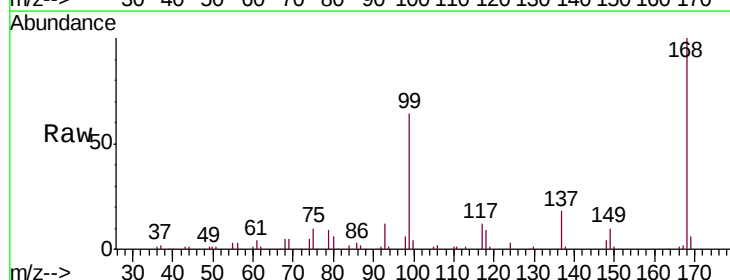
Tgt Ion: 117 Resp: 23105

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 23.4 35.2#

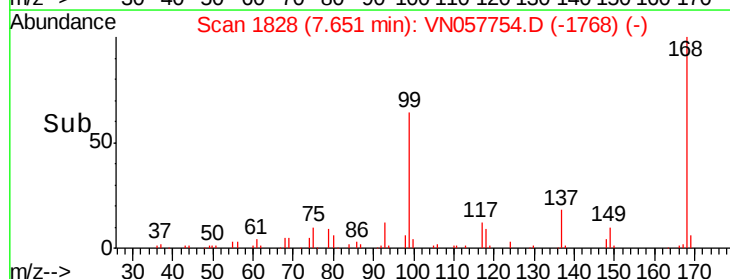


Abundance Ion 116.80 (116.50 to 117.50): VN057705.D (-1843) (-)

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

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

Time-->

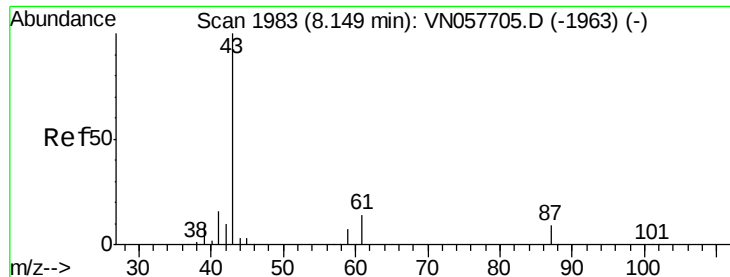


Abundance Ion 116.80 (116.50 to 117.50): VN057754.D (-1768) (-)

Ion 118.80 (118.50 to 119.50): VN057754.D (-1768) (-)

Ion 120.80 (120.50 to 121.50): VN057754.D (-1768) (-)

Time-->



#43

Isopropyl Acetate

Concen: 6.748 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057754.D

Acq: 7 Sep 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

T12-C4-(0)

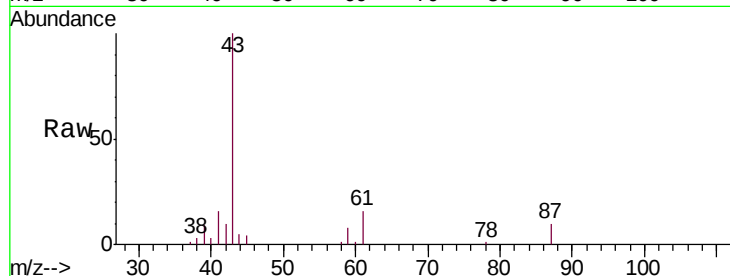
Tgt Ion: 43 Resp: 56849

Ion Ratio Lower Upper

43 100

61 16.4 12.8 19.2

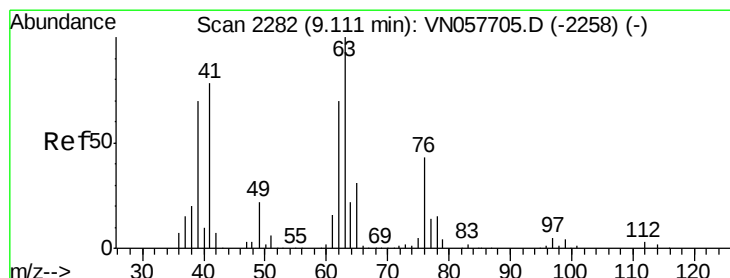
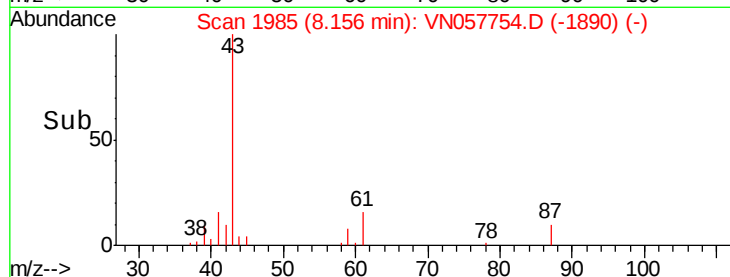
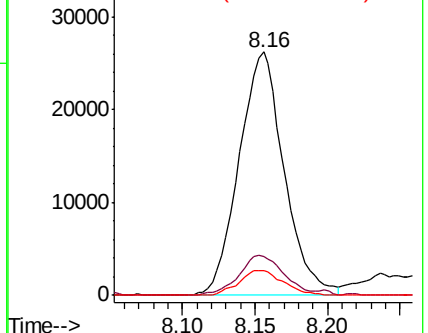
87 10.0 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.279 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.15 min

Lab File: VN057754.D

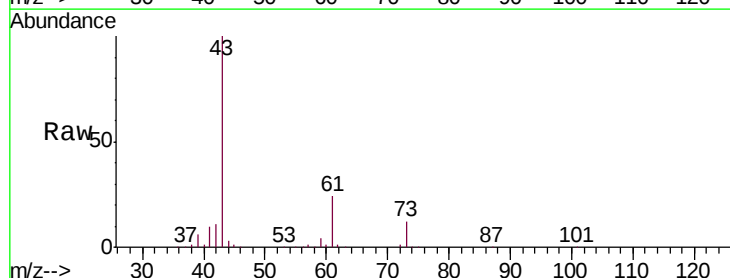
Acq: 7 Sep 2019 15:29

Tgt Ion: 63 Resp: 977

Ion Ratio Lower Upper

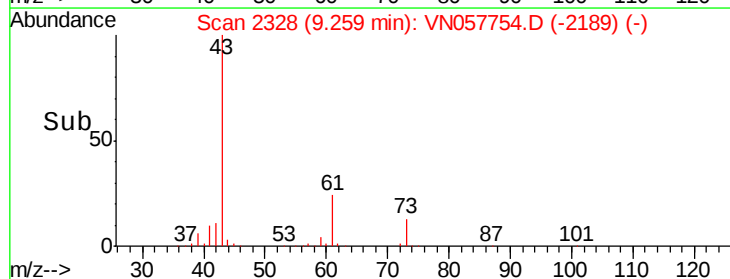
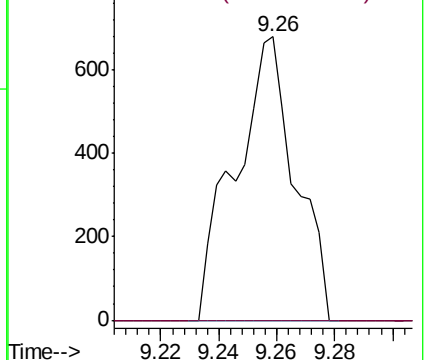
63 100

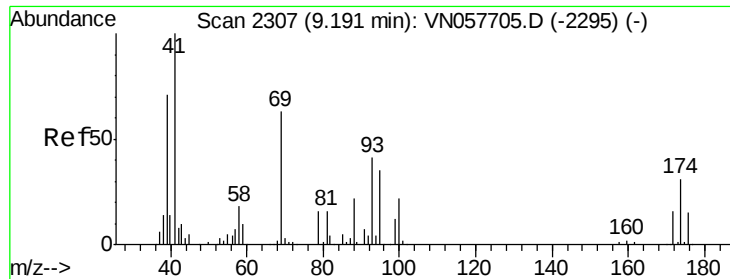
65 0.0 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

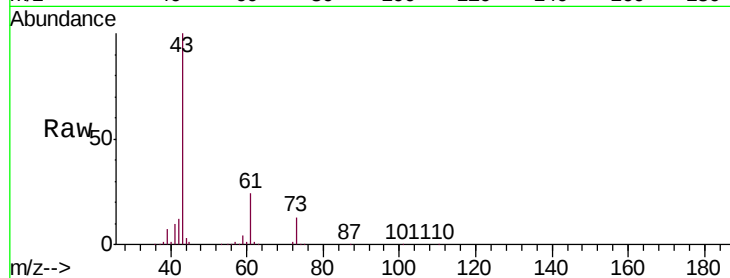




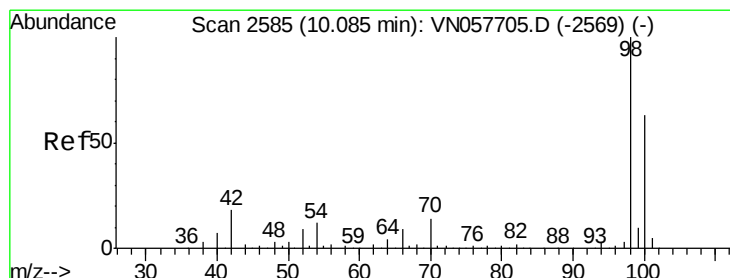
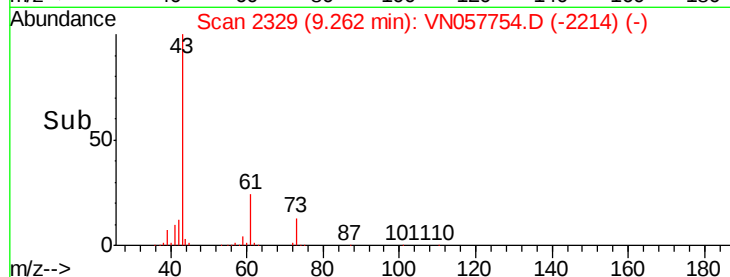
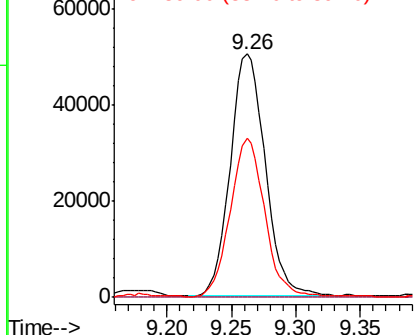
#48
Methyl methacrylate
Concen: 21.994 ug/l
RT: 9.26 min Scan# 2329
Delta R.T. 0.07 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
T12-C4-(0)

Tgt Ion: 41 Resp: 95290
Ion Ratio Lower Upper
41 100
69 0.1 51.2 76.8#
39 64.9 57.3 85.9

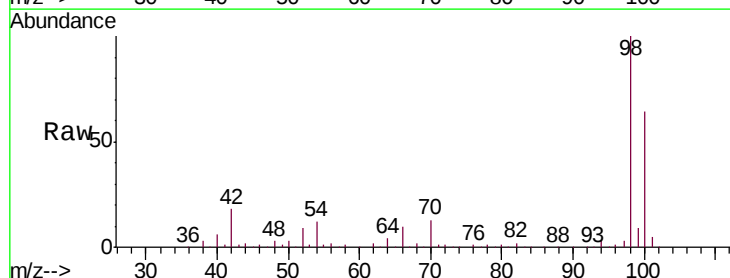


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

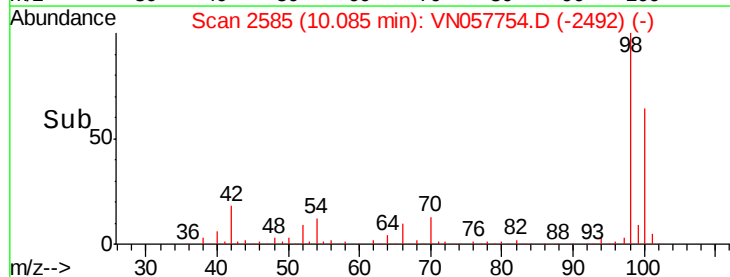
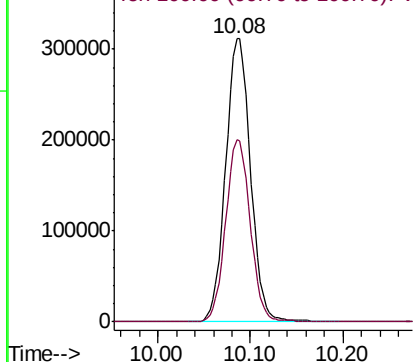


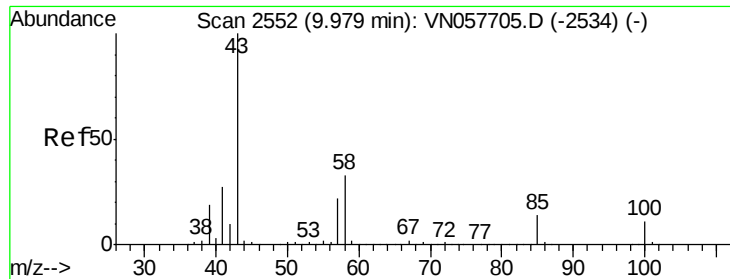
#50
Toluene-d8
Concen: 51.771 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

Tgt Ion: 98 Resp: 579684
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

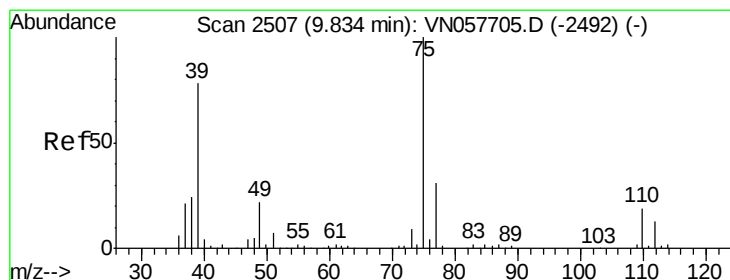
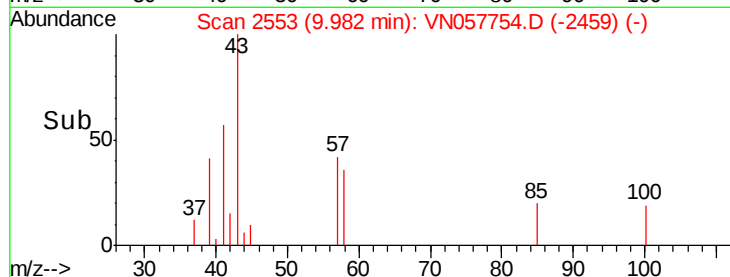
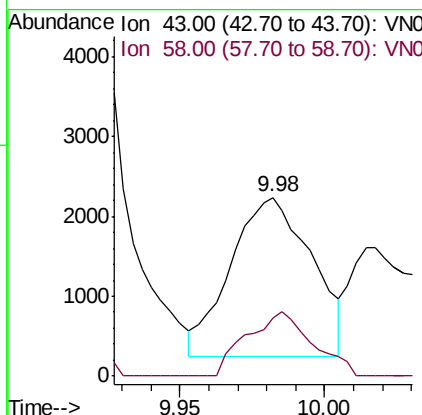
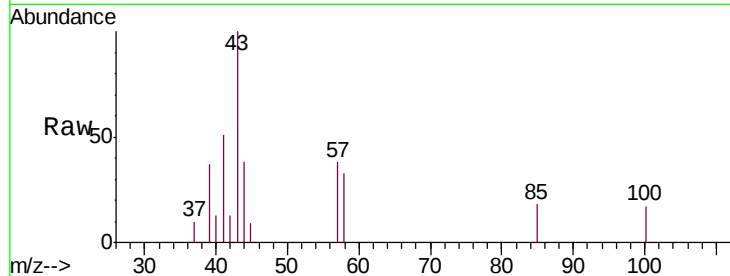




#51
 4-Methyl-2-Pentanone
 Concen: 0.826 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057754.D
 Acq: 7 Sep 2019 15:29

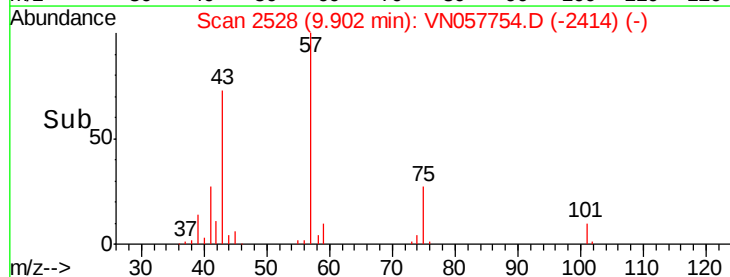
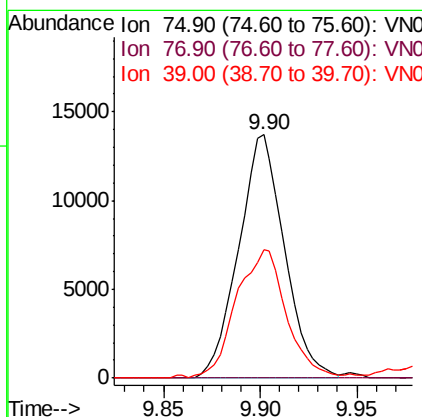
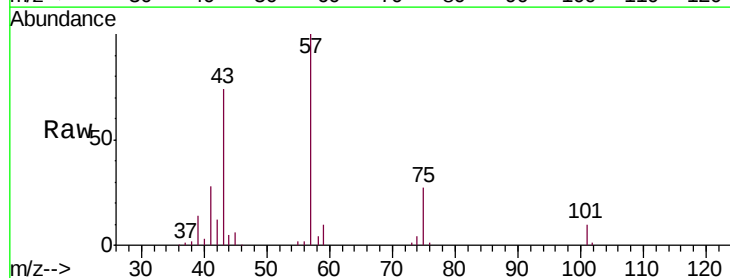
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C4-(0)

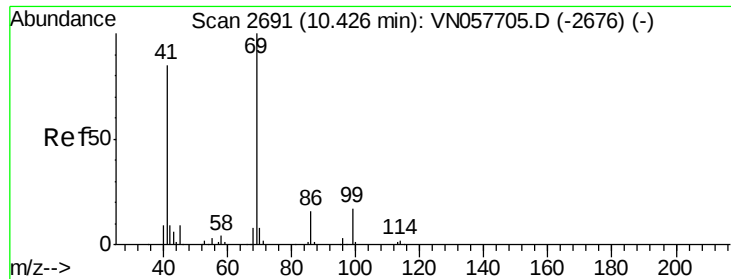
Tgt Ion: 43 Resp: 3865
 Ion Ratio Lower Upper
 43 100
 58 32.9 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 4.374 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057754.D
 Acq: 7 Sep 2019 15:29

Tgt Ion: 75 Resp: 22603
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 52.7 62.4 93.6#

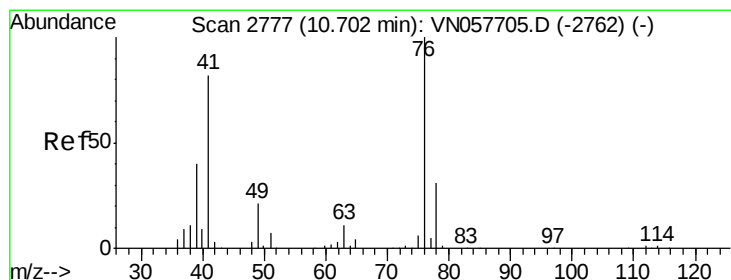
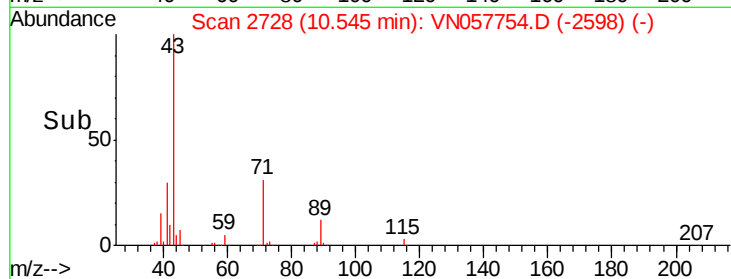
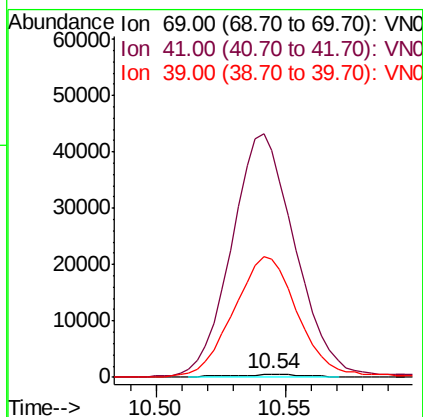
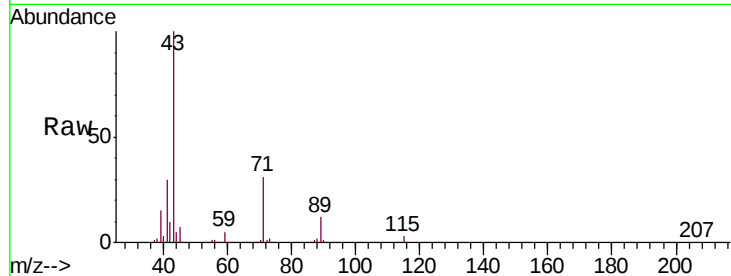




#56
Ethyl methacrylate
Concen: 0.211 ug/l
RT: 10.54 min Scan# 2728
Delta R.T. 0.12 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

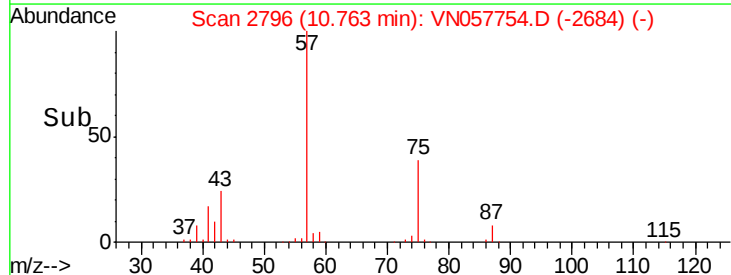
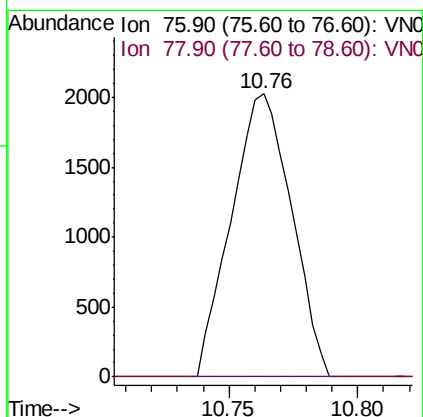
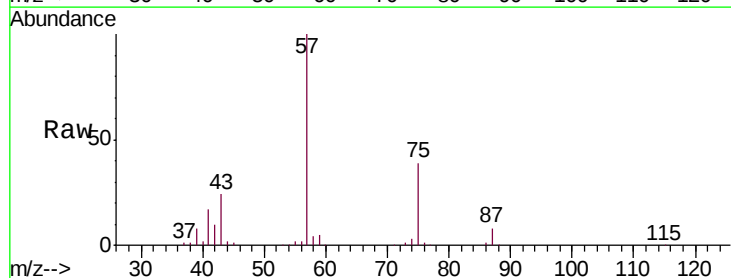
Instrument :
MSVOA_N
ClientSampleId :
T12-C4-(0)

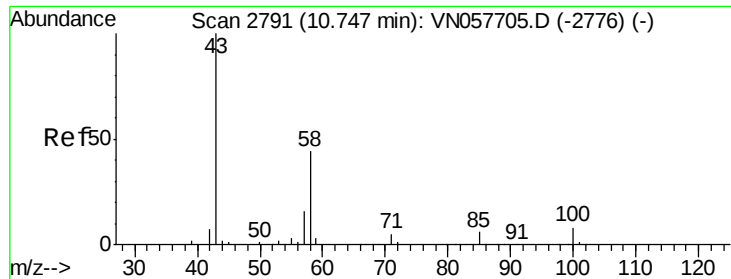
Tgt Ion: 69 Resp: 1026
Ion Ratio Lower Upper
69 100
41 7327.1 69.0 103.4#
39 3694.1 49.2 73.8#



#57
1,3-Dichloropropane
Concen: 0.602 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.06 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

Tgt Ion: 76 Resp: 3296
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

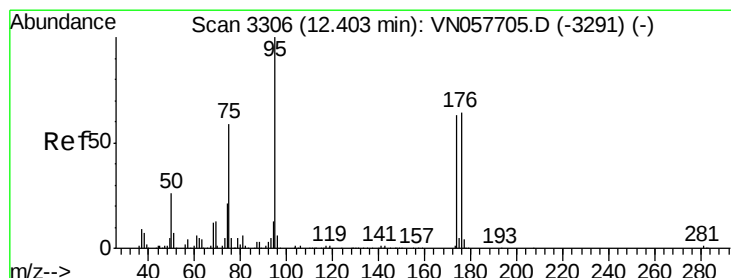
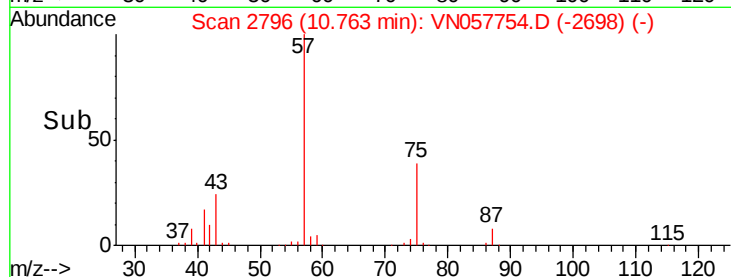
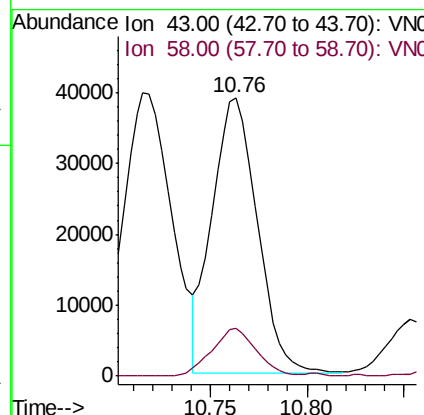
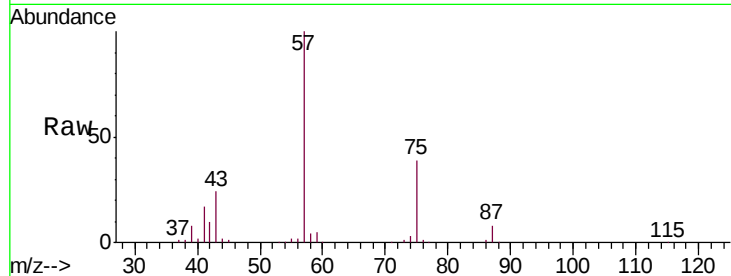




#59
2-Hexanone
Concen: 19.141 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.02 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

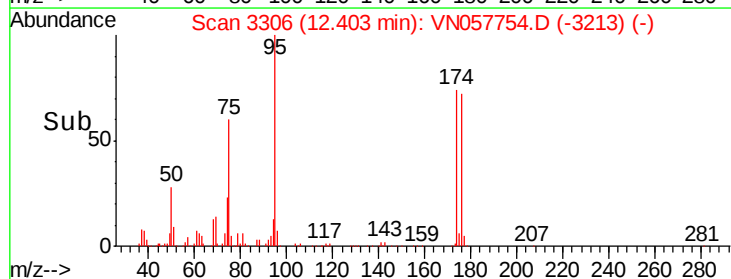
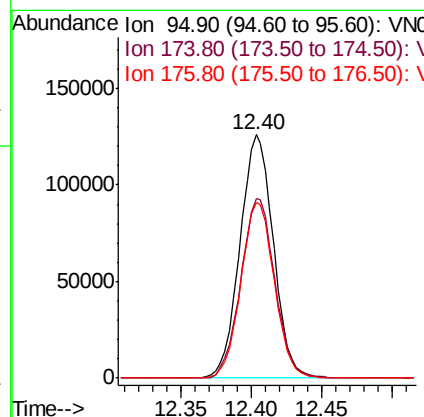
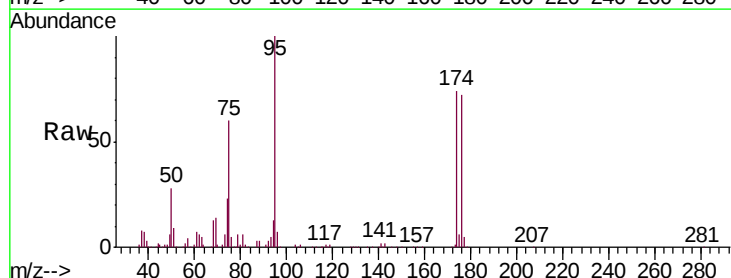
Instrument :
MSVOA_N
ClientSampled :
T12-C4-(0)

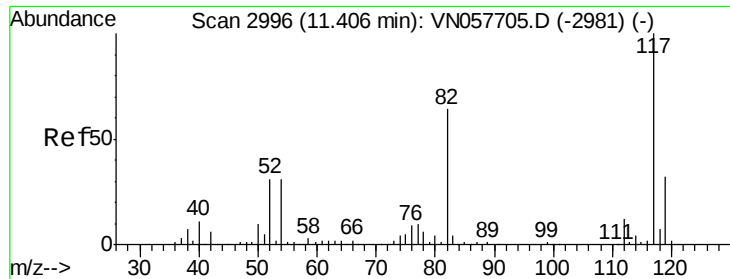
Tgt Ion: 43 Resp: 63148
Ion Ratio Lower Upper
43 100
58 17.2 22.1 66.5#



#62
4-Bromofluorobenzene
Concen: 44.984 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

Tgt Ion: 95 Resp: 209210
Ion Ratio Lower Upper
95 100
174 75.3 0.0 128.0
176 72.2 0.0 128.0

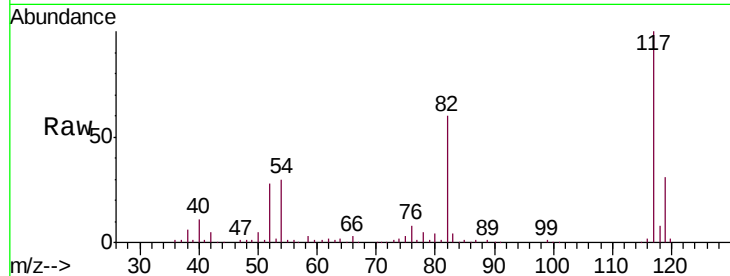




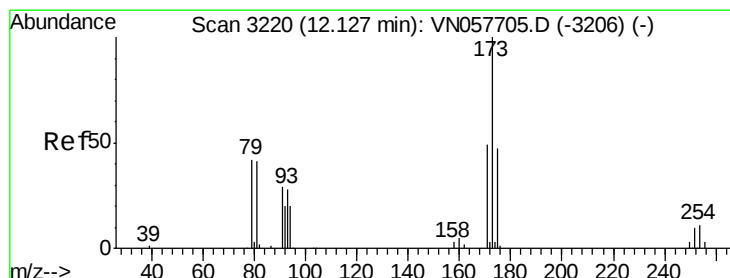
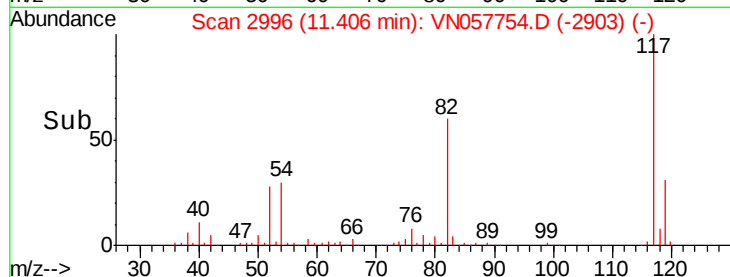
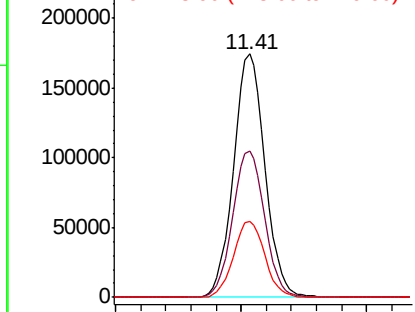
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :
T12-C4-(0)

Tgt Ion:117 Resp: 302795
Ion Ratio Lower Upper
117 100
82 60.1 51.4 77.0
119 31.1 25.4 38.2

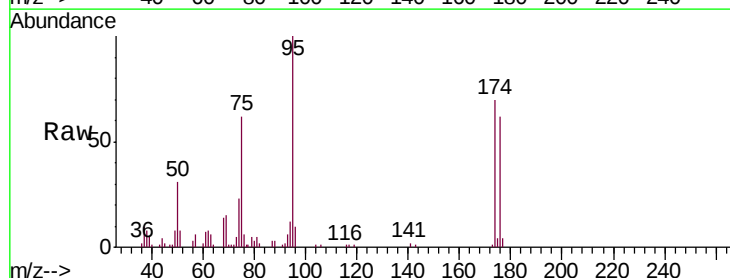


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

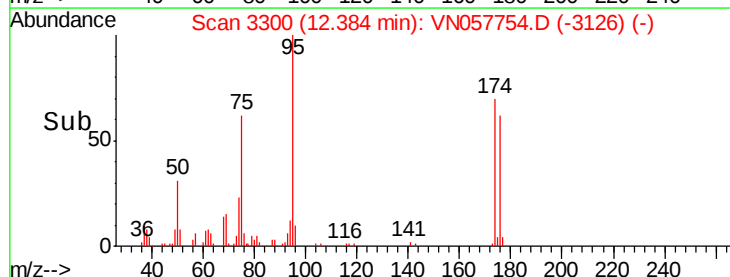
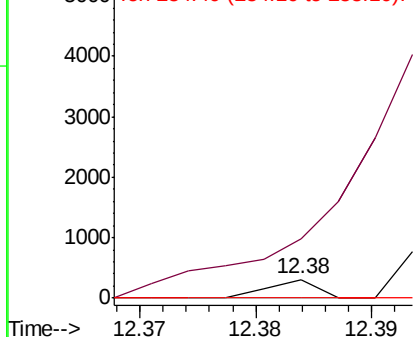


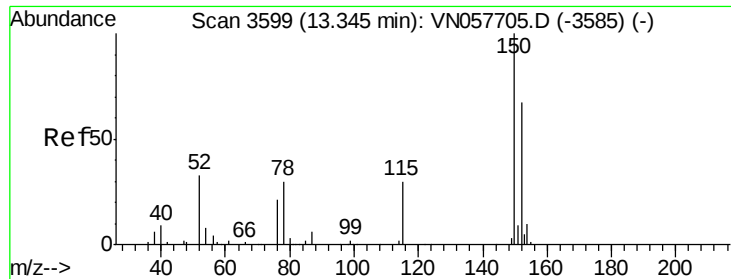
#71
Bromoform
Concen: 3.283 ug/l
RT: 12.38 min Scan# 3300
Delta R.T. 0.26 min
Lab File: VN057754.D
Acq: 7 Sep 2019 15:29

Tgt Ion:173 Resp: 90
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: VN057754.D

Acq: 7 Sep 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

T12-C4-(0)

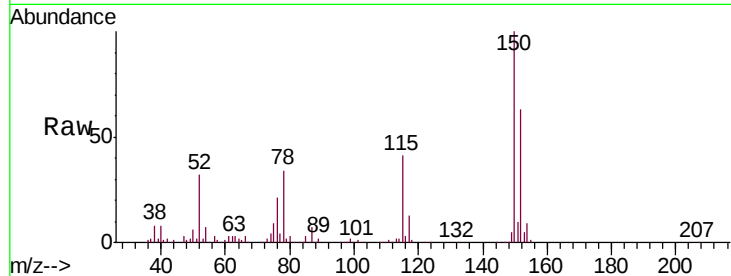
Tgt Ion:152 Resp: 156812

Ion Ratio Lower Upper

152 100

115 63.9 33.8 101.3

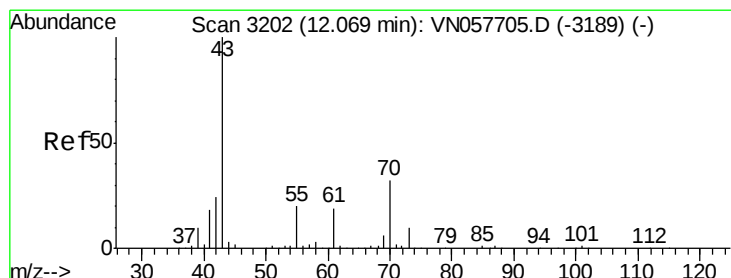
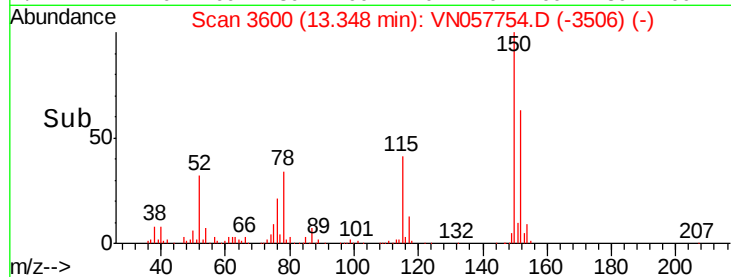
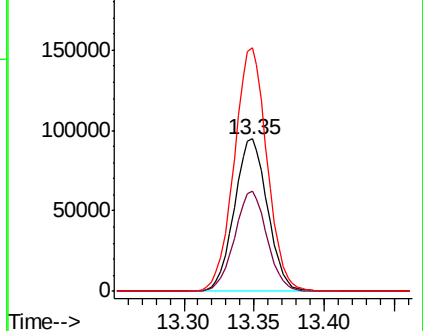
150 157.5 0.0 345.4



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: 0.268 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057754.D

Acq: 7 Sep 2019 15:29

Tgt Ion: 43 Resp: 1854

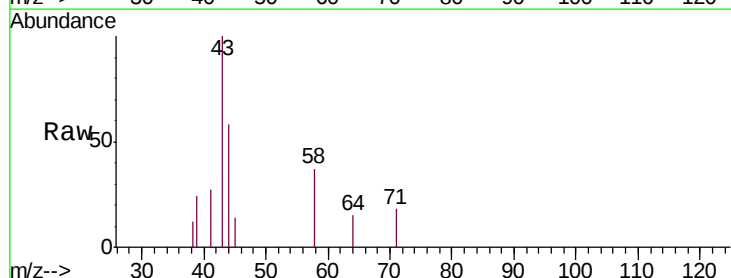
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 0.0 16.3 24.5#

61 0.0 15.0 22.4#

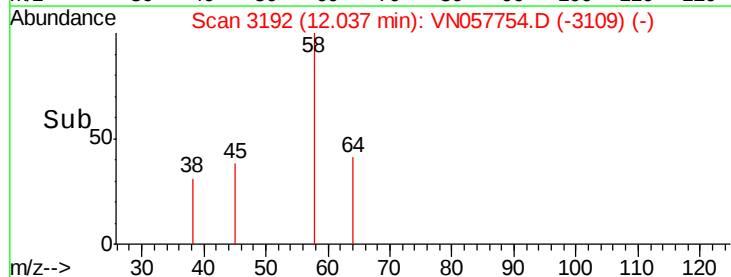
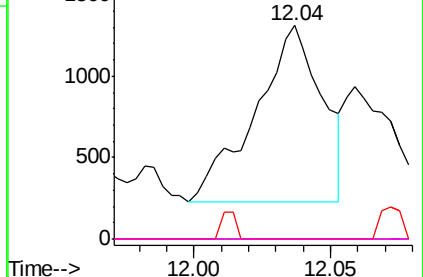


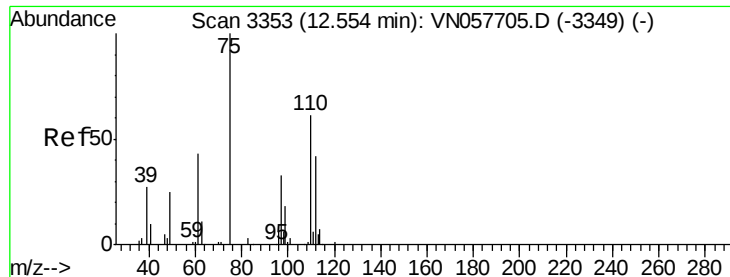
Abundance Ion 43.00 (42.70 to 43.70): V

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: 34.928 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057754.D

Acq: 7 Sep 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

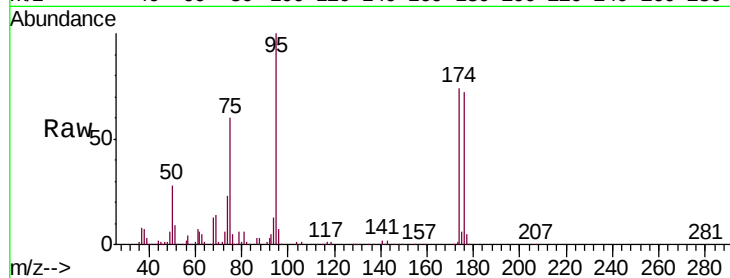
T12-C4-(0)

Tgt Ion: 75 Resp: 125775

Ion Ratio Lower Upper

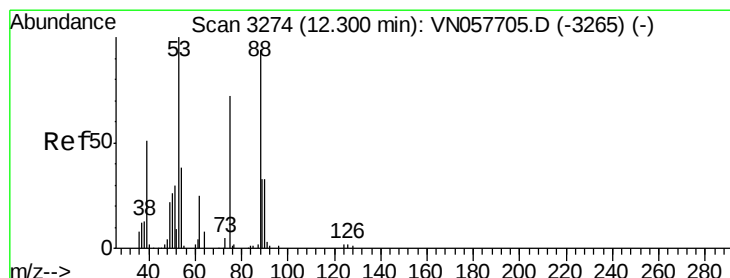
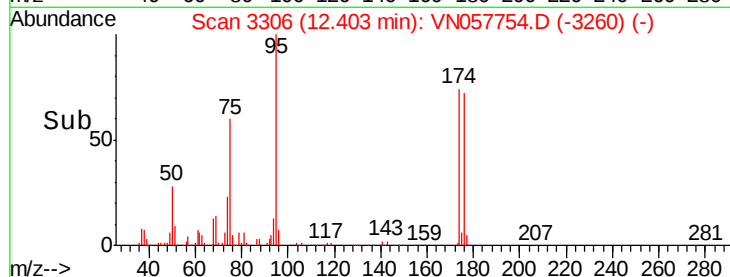
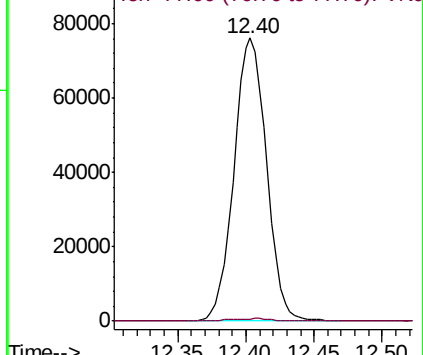
75 100

77 0.9 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: 108.626 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057754.D

Acq: 7 Sep 2019 15:29

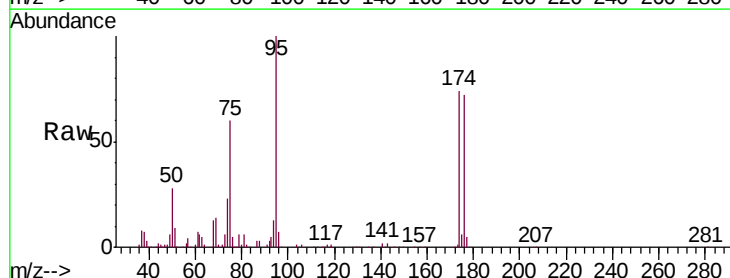
Tgt Ion: 75 Resp: 125775

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

