

Data File : VN057779.D
Acq On : 8 Sep 2019 1:45
Operator : JC/SP
Sample : K4601-28
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-E3-(2.7)

Quant Time: Sep 08 06:45:51 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	197373	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317920	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	290537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	149555	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	225998	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	7.58	113	138050	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	10.09	98	524406	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.40	95	187383	42.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.22%	

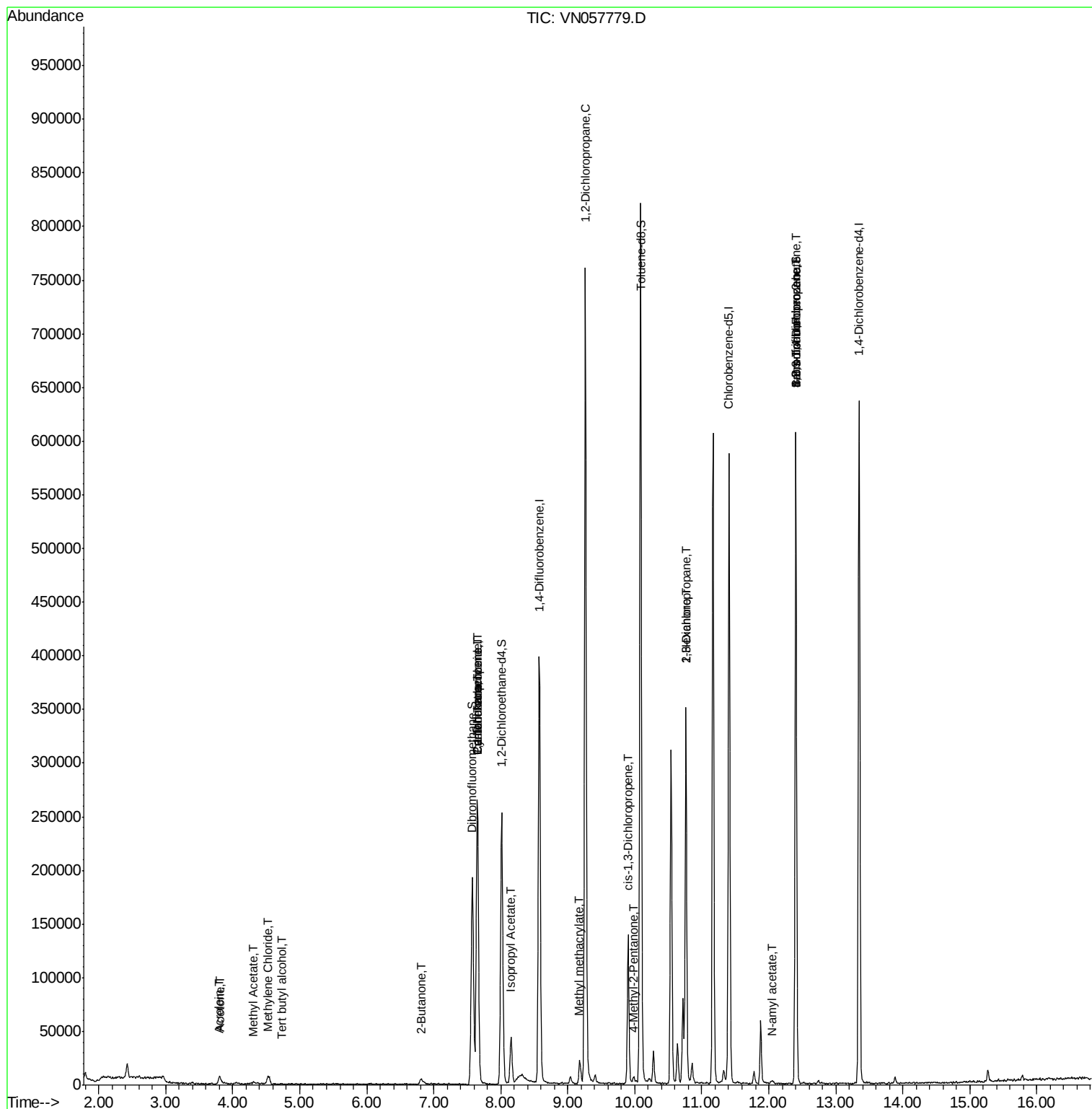
Target Compounds			Qvalue			
3) Chloromethane	2.03	50	493	Below Cal	#	50
11) Tert butyl alcohol	4.73	59	306	0.561	ug/l #	71
13) Acrolein	3.78	56	67	0.258	ug/l #	15
16) Acetone	3.81	43	12275	8.307	ug/l #	83
18) Methyl Acetate	4.31	43	3389	0.843	ug/l #	89
20) Methylene Chloride	4.53	84	4730	1.480	ug/l #	89
25) 2-Butanone	6.83	43	2180	1.030	ug/l #	55
31) Cyclohexane	7.65	56	6986	1.296	ug/l #	42
36) 1,1-Dichloropropene	7.65	75	18785	4.441	ug/l #	50
38) Carbon Tetrachloride	7.65	117	21632	5.342	ug/l #	16
43) Isopropyl Acetate	8.15	43	52933	6.568	ug/l	98
45) 1,2-Dichloropropane	9.26	63	996	0.298	ug/l #	44
48) Methyl methacrylate	9.17	41	2920	0.704	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	4370	0.976	ug/l #	86
54) cis-1,3-Dichloropropene	9.90	75	20515	4.150	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	3018	0.576	ug/l #	43
59) 2-Hexanone	10.76	43	58281	18.465	ug/l #	57
71) Bromoform	12.40	173	283	3.376	ug/l #	1
74) N-amyl acetate	12.05	43	1816	0.275	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	113723	33.114	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	113723	102.983	ug/l #	1

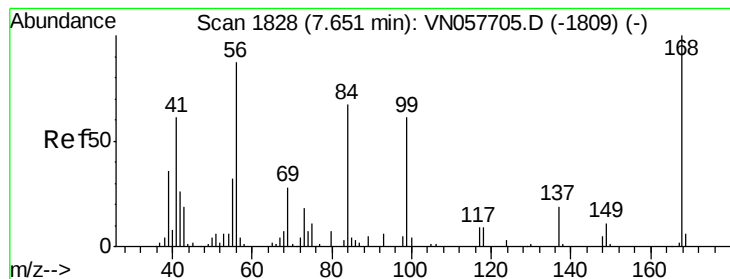
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057779.D

Acq: 8 Sep 2019 1:45

Instrument :

MSVOA_N

ClientSampleId :

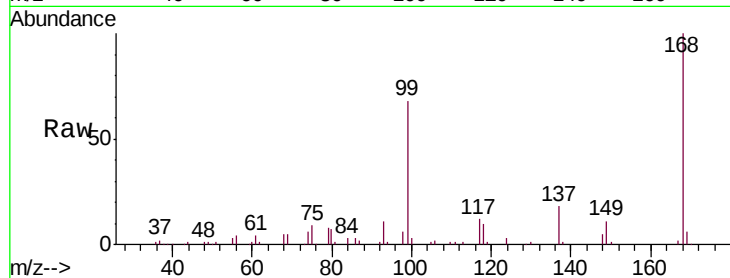
T12-E3-(2.7)

Tgt Ion:168 Resp: 197373

Ion Ratio Lower Upper

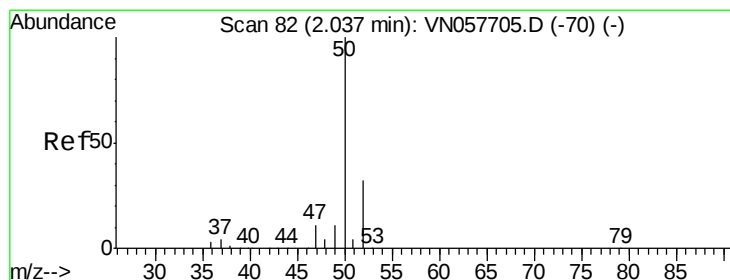
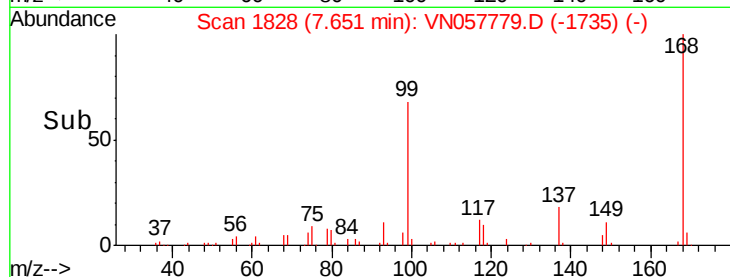
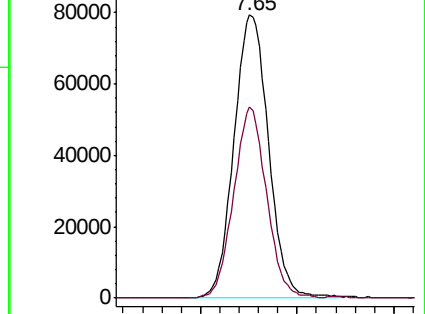
168 100

99 67.6 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): VN057779.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN057779.D (-1735) (-)



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057779.D

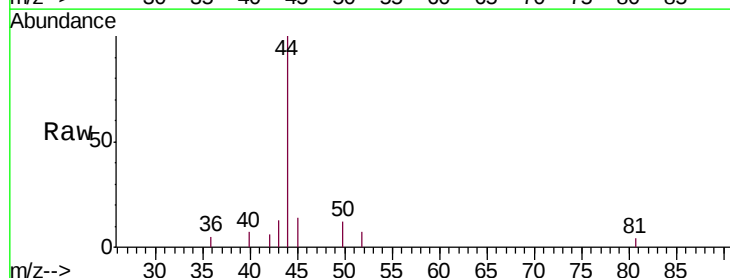
Acq: 8 Sep 2019 1:45

Tgt Ion: 50 Resp: 493

Ion Ratio Lower Upper

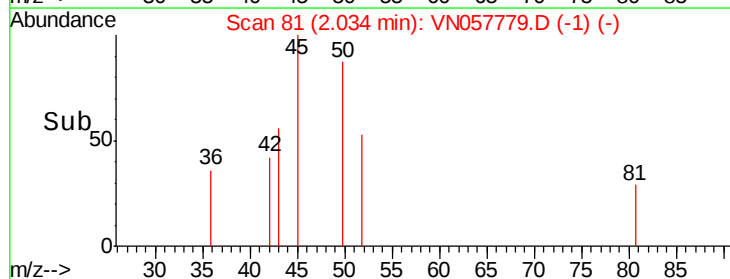
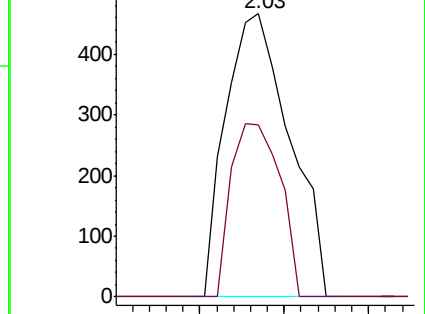
50 100

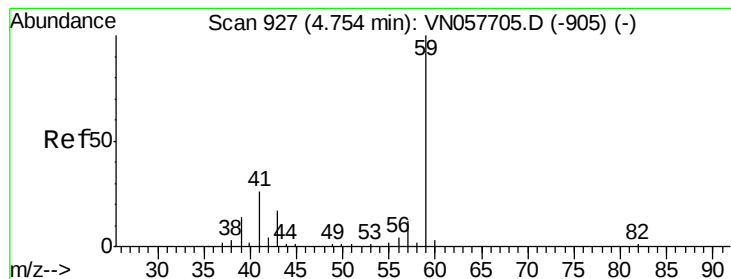
52 60.8 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN057779.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN057779.D (-1) (-)





#11

Tert butyl alcohol

Concen: 0.561 ug/l

RT: 4.73 min Scan# 921

Delta R.T. -0.02 min

Lab File: VN057779.D

Acq: 8 Sep 2019 1:45

Instrument :

MSVOA_N

ClientSampled :

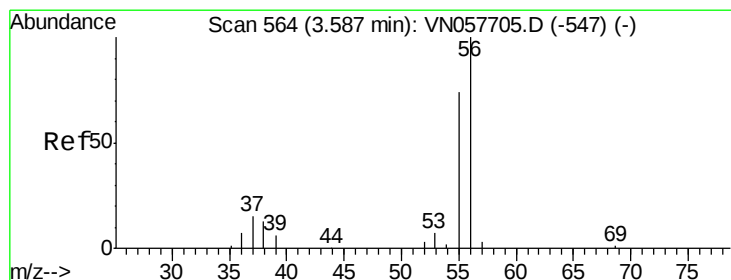
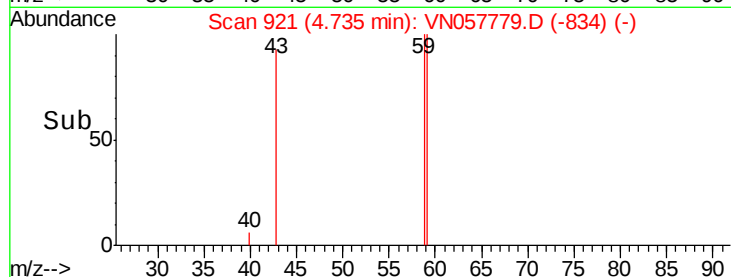
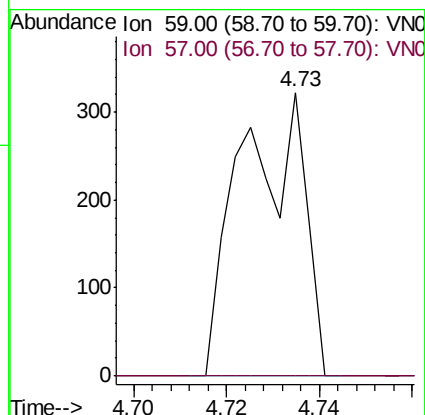
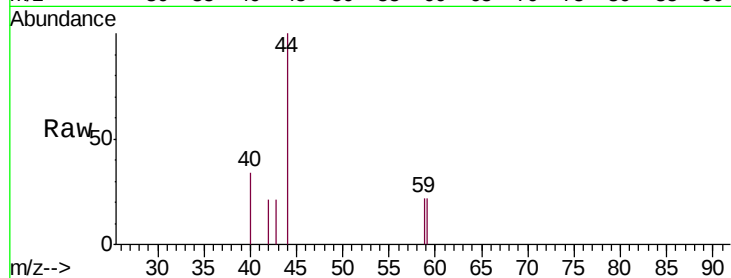
T12-E3-(2.7)

Tgt Ion: 59 Resp: 306

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



#13

Acrolein

Concen: 0.258 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.20 min

Lab File: VN057779.D

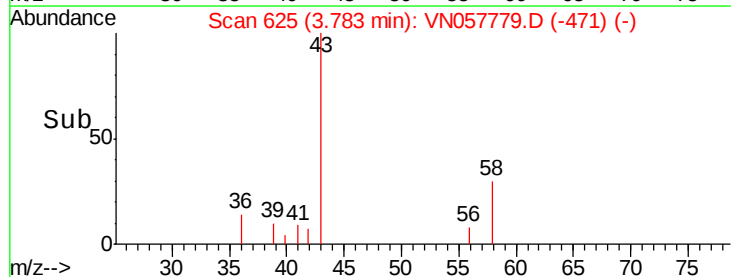
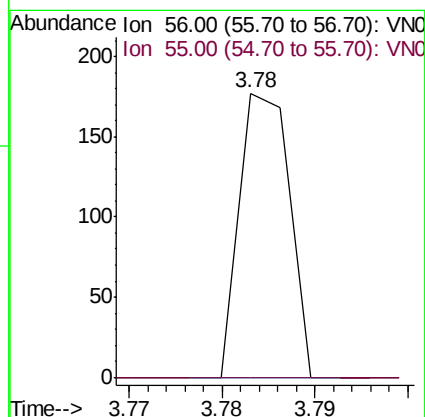
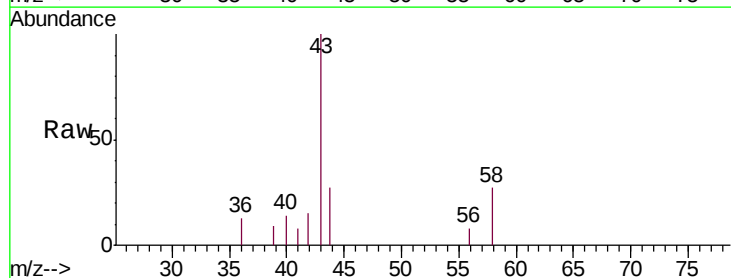
Acq: 8 Sep 2019 1:45

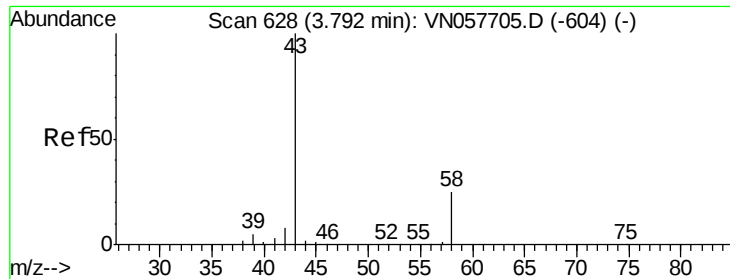
Tgt Ion: 56 Resp: 67

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#





#16

Acetone

Concen: 8.307 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.02 min

Lab File: VN057779.D

Acq: 8 Sep 2019 1:45

Instrument :

MSVOA_N

ClientSampled :

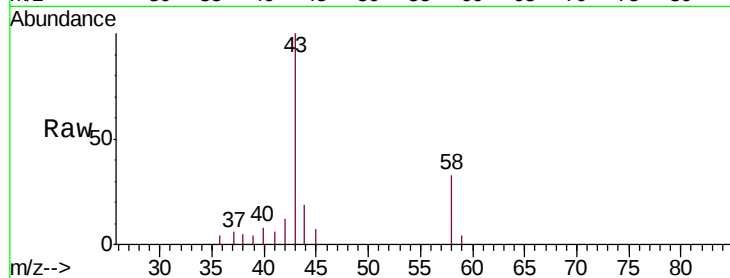
T12-E3-(2.7)

Tgt Ion: 43 Resp: 12275

Ion Ratio Lower Upper

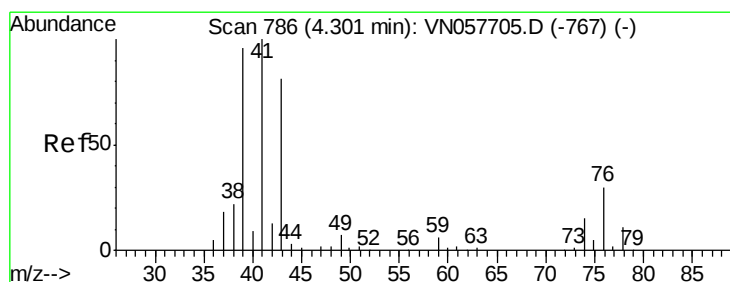
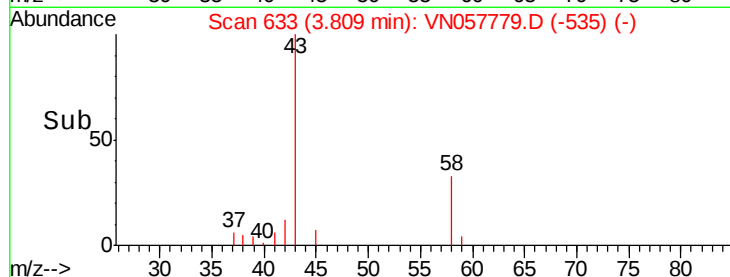
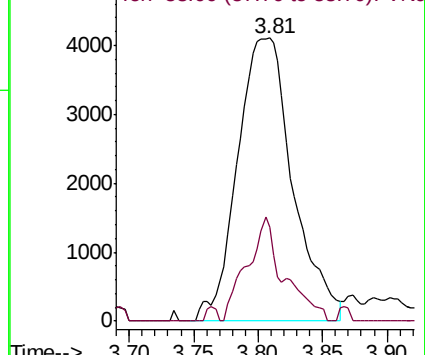
43 100

58 33.2 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.843 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN057779.D

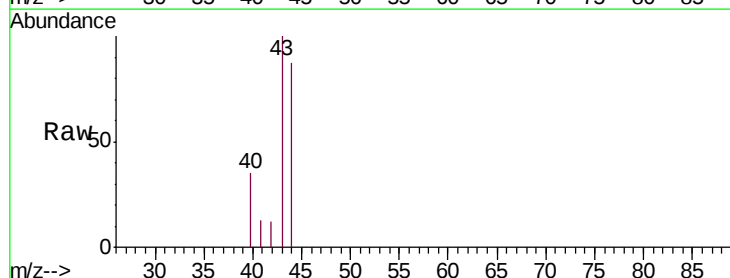
Acq: 8 Sep 2019 1:45

Tgt Ion: 43 Resp: 3389

Ion Ratio Lower Upper

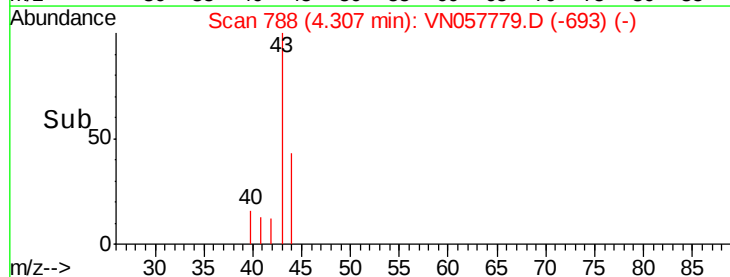
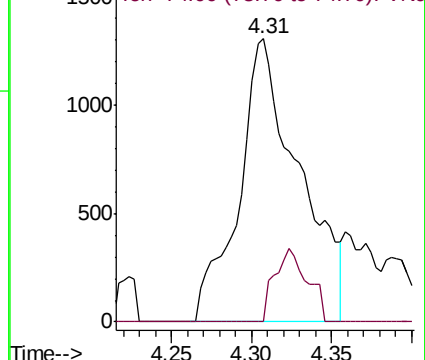
43 100

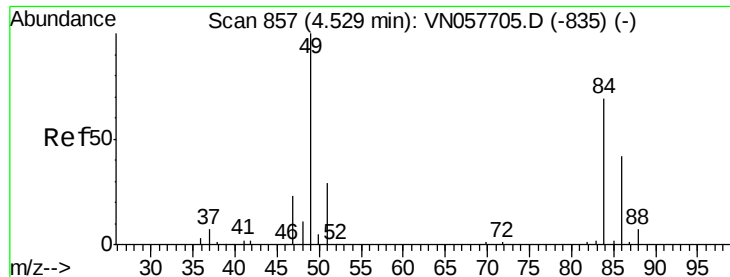
74 14.3 15.3 22.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

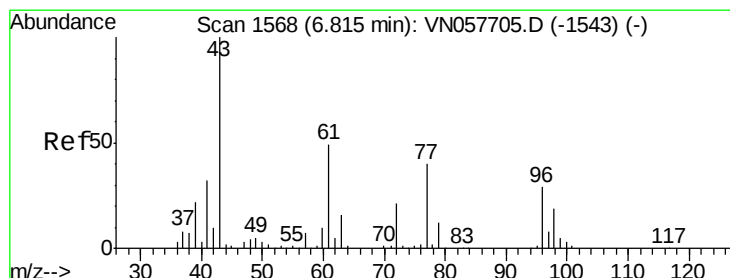
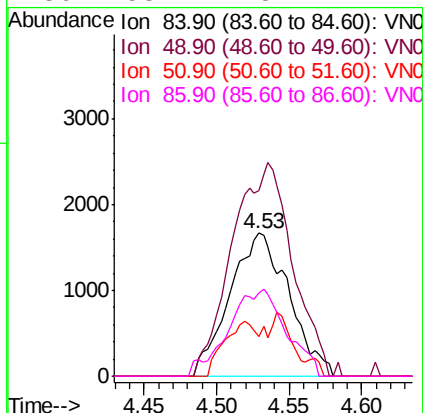
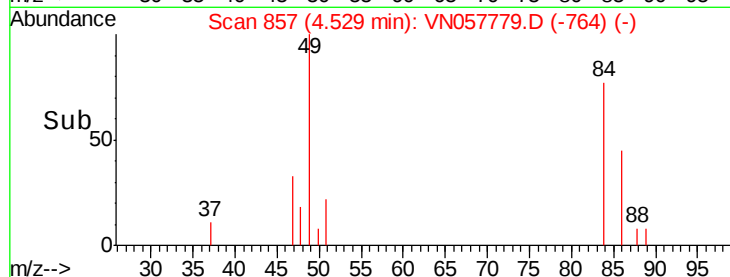
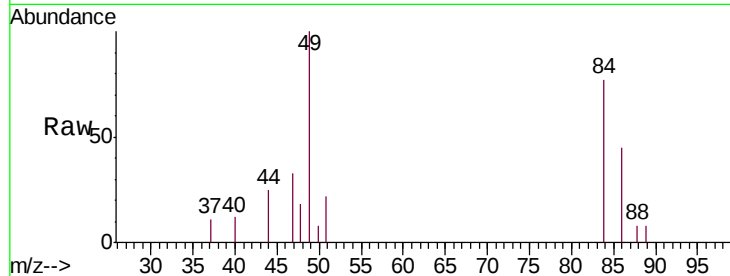




#20
Methylene Chloride
Concen: 1.480 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057779.D
Acq: 8 Sep 2019 1:45

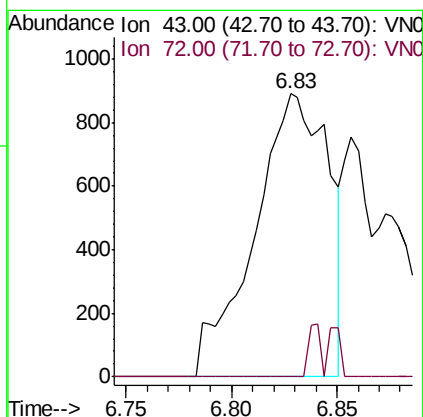
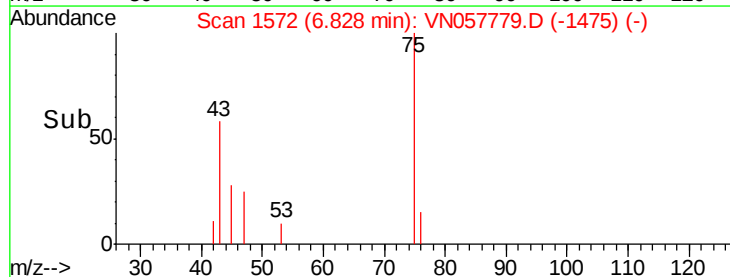
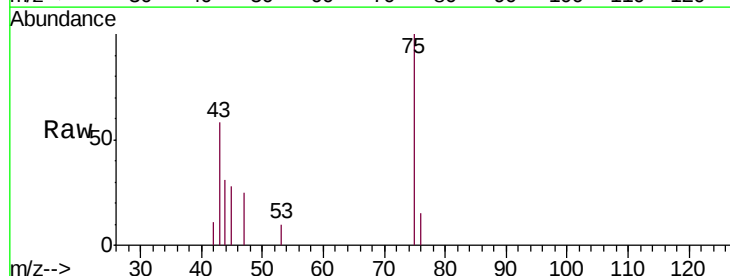
Instrument :
MSVOA_N
ClientSampled :
T12-E3-(2.7)

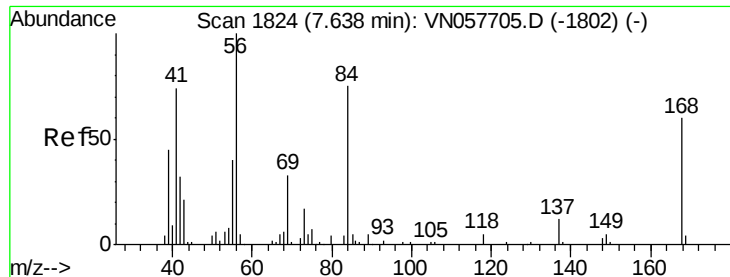
Tgt Ion: 84 Resp: 4730
Ion Ratio Lower Upper
84 100
49 130.4 115.0 172.6
51 28.2 33.8 50.8#
86 58.2 48.2 72.2



#25
2-Butanone
Concen: 1.030 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN057779.D
Acq: 8 Sep 2019 1:45

Tgt Ion: 43 Resp: 2180
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#

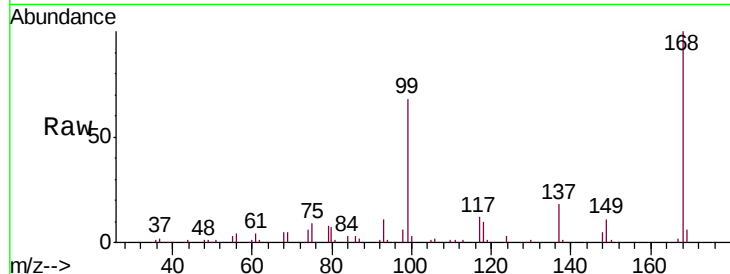




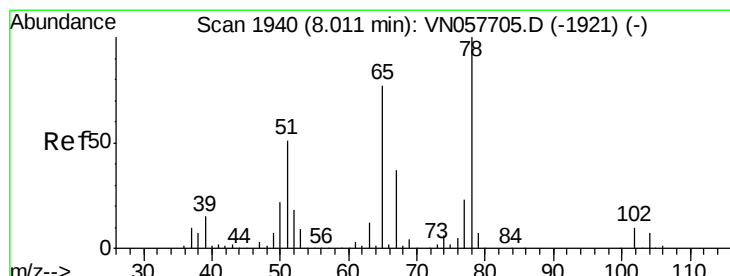
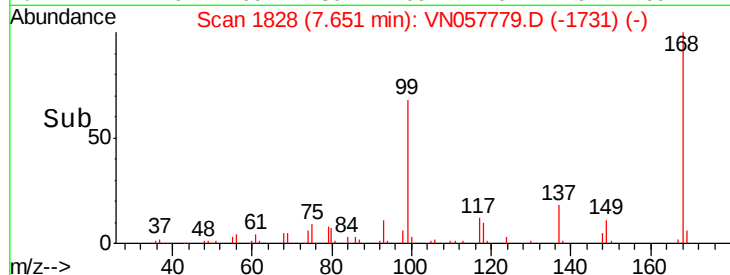
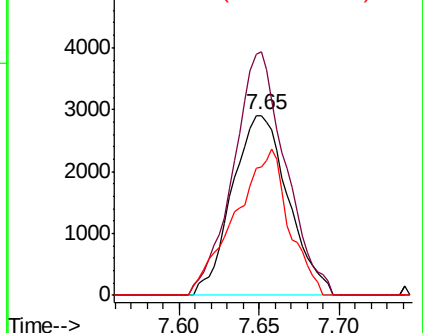
#31
Cyclohexane
Concen: 1.296 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057779.D
Acq: 8 Sep 2019 1:45

Instrument :
MSVOA_N
ClientSampled :
T12-E3-(2.7)

Tgt Ion: 56 Resp: 6986
Ion Ratio Lower Upper
56 100
69 135.1 26.2 39.2#
84 71.2 59.8 89.8

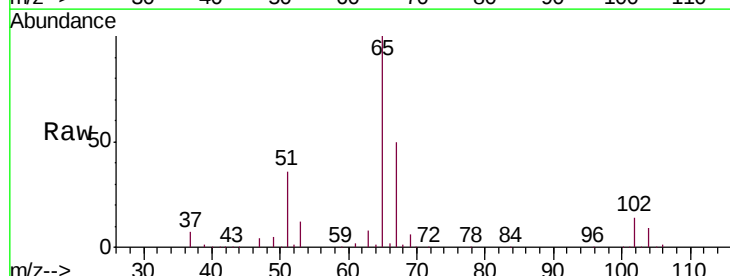


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

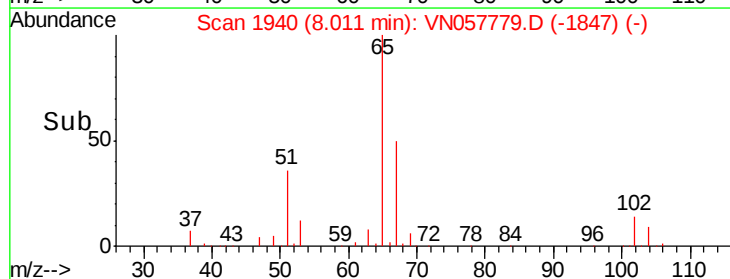
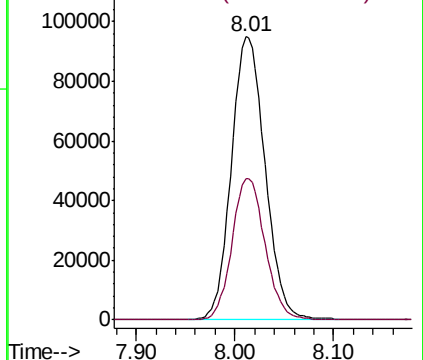


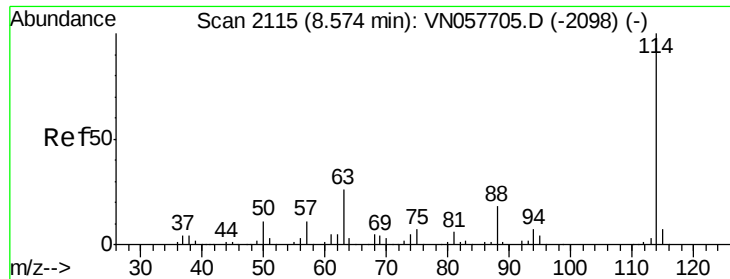
#33
1,2-Dichloroethane-d4
Concen: 47.068 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN057779.D
Acq: 8 Sep 2019 1:45

Tgt Ion: 65 Resp: 225998
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

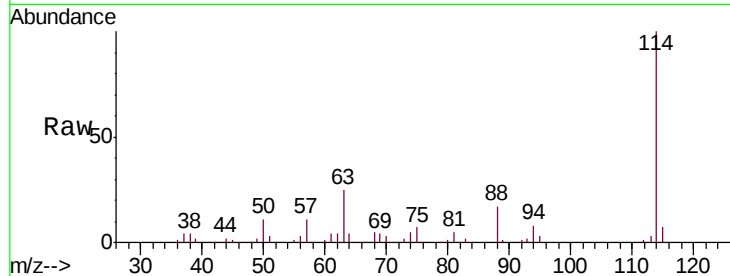




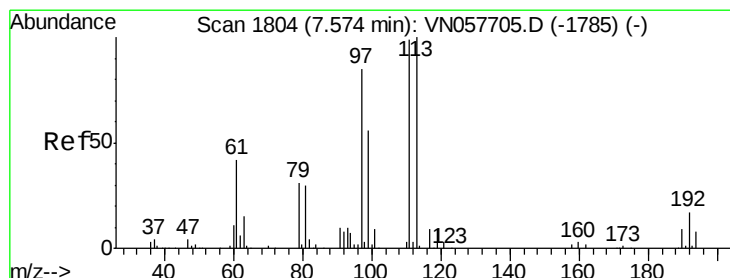
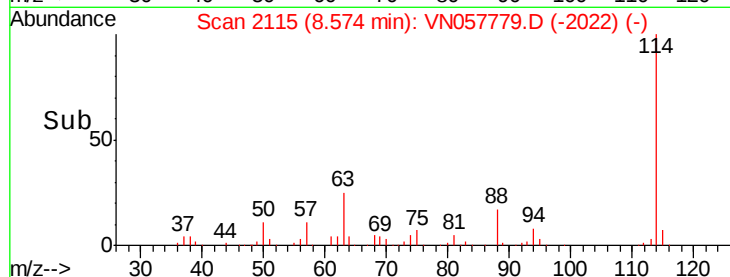
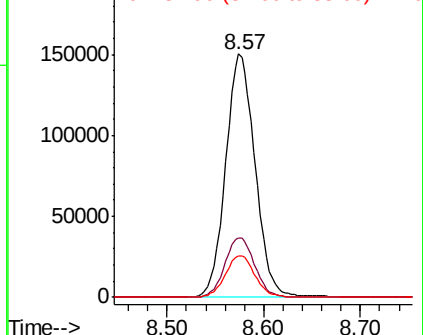
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN057779.D
Acq: 8 Sep 2019 1:45

Instrument :
MSVOA_N
ClientSampleId :
T12-E3-(2.7)

Tgt Ion:114 Resp: 317920
Ion Ratio Lower Upper
114 100
63 24.6 0.0 52.4
88 17.2 0.0 35.4

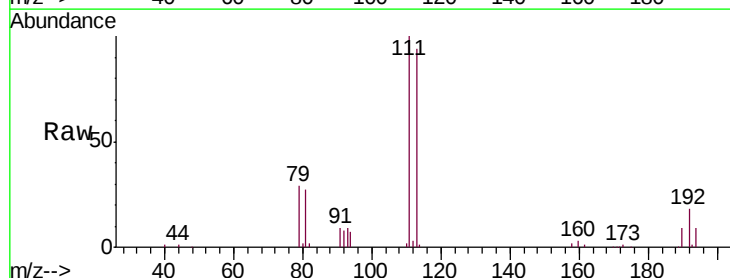


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

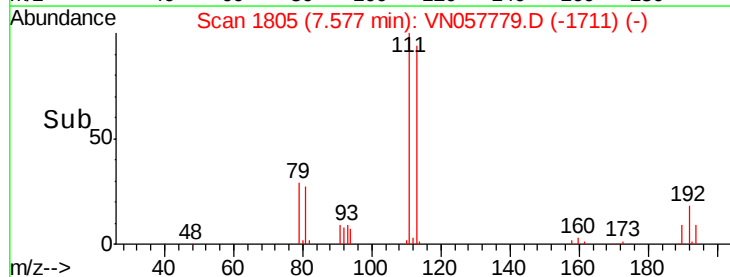
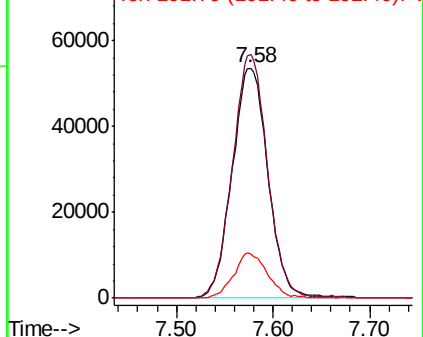


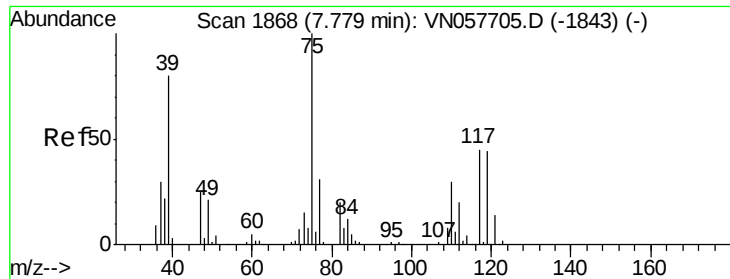
#35
Dibromofluoromethane
Concen: 47.673 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057779.D
Acq: 8 Sep 2019 1:45

Tgt Ion:113 Resp: 138050
Ion Ratio Lower Upper
113 100
111 103.0 82.7 124.1
192 18.5 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

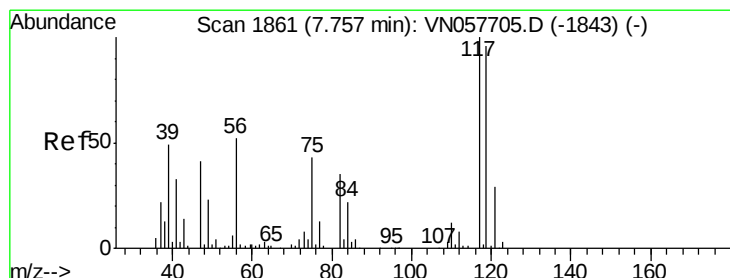
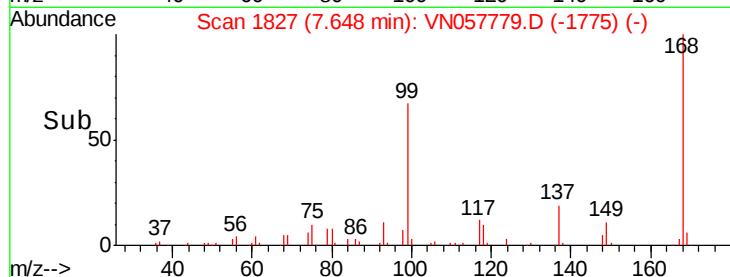
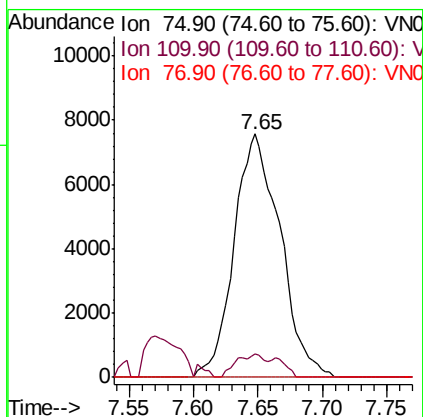
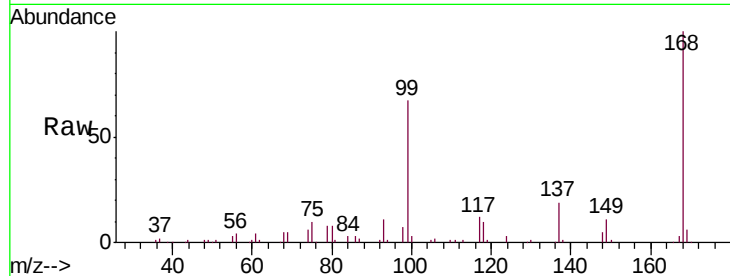




#36
 1,1-Dichloropropene
 Concen: 4.441 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057779.D
 Acq: 8 Sep 2019 1:45

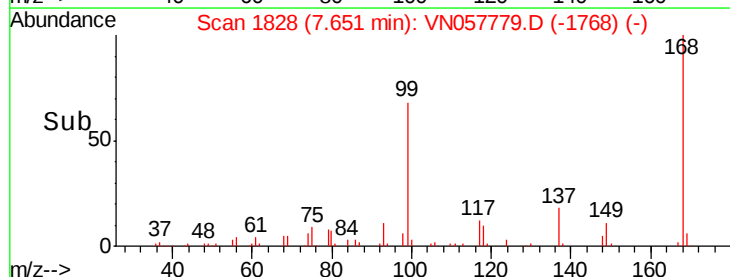
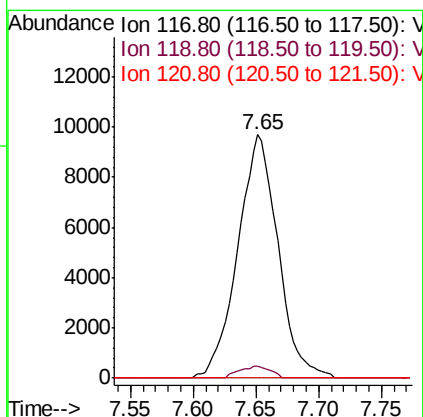
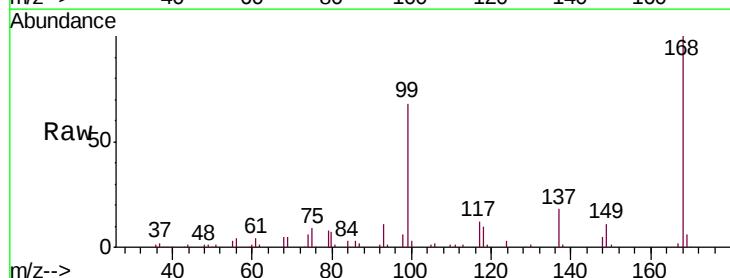
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-E3-(2.7)

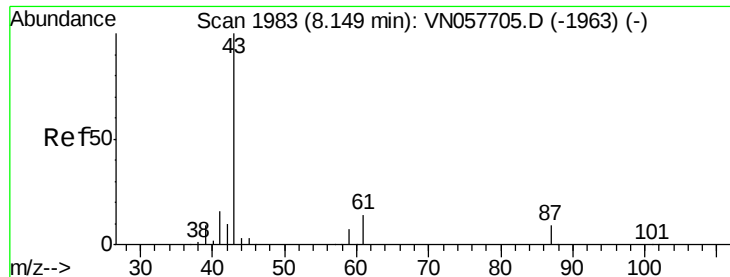
Tgt Ion: 75 Resp: 18785
 Ion Ratio Lower Upper
 75 100
 110 5.9 15.0 45.0#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.342 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057779.D
 Acq: 8 Sep 2019 1:45

Tgt Ion: 117 Resp: 21632
 Ion Ratio Lower Upper
 117 100
 119 4.9 76.1 114.1#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 6.568 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057779.D

Acq: 8 Sep 2019 1:45

Instrument :

MSVOA_N

ClientSampleId :

T12-E3-(2.7)

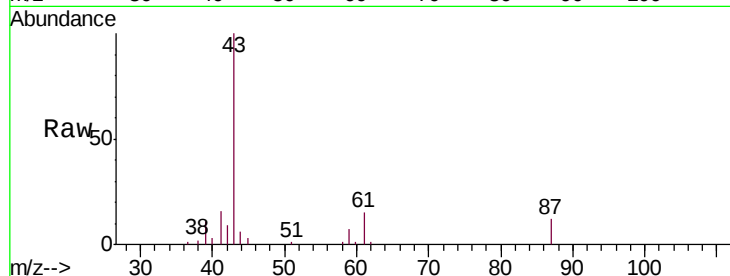
Tgt Ion: 43 Resp: 52933

Ion Ratio Lower Upper

43 100

61 15.7 12.8 19.2

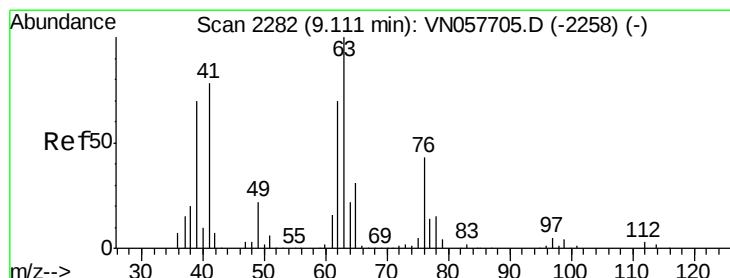
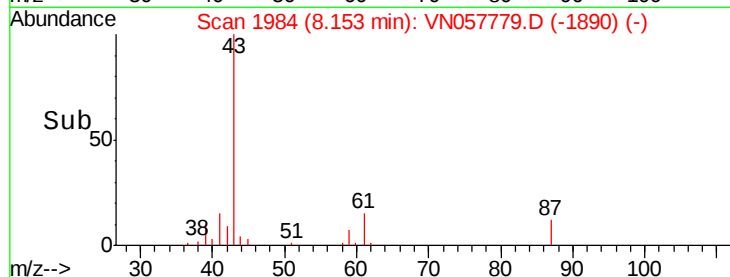
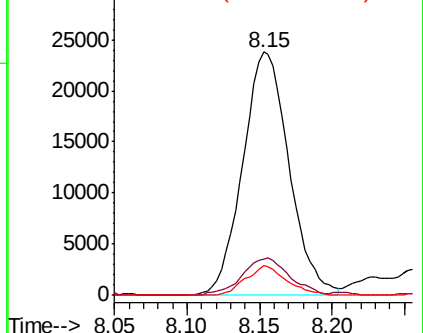
87 10.8 7.8 11.8



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: 0.298 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.15 min

Lab File: VN057779.D

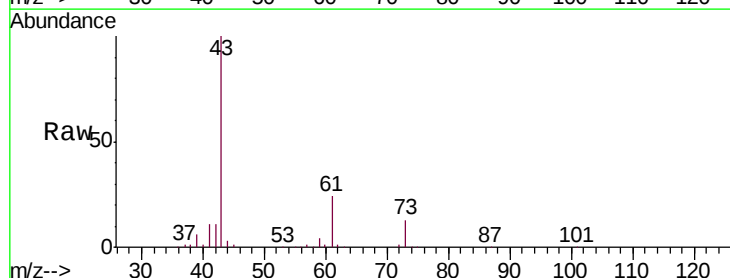
Acq: 8 Sep 2019 1:45

Tgt Ion: 63 Resp: 996

Ion Ratio Lower Upper

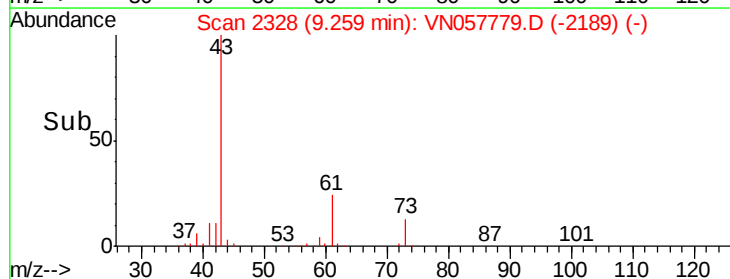
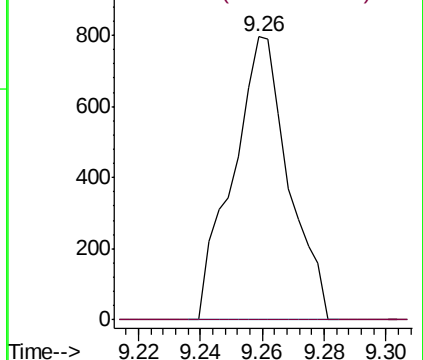
63 100

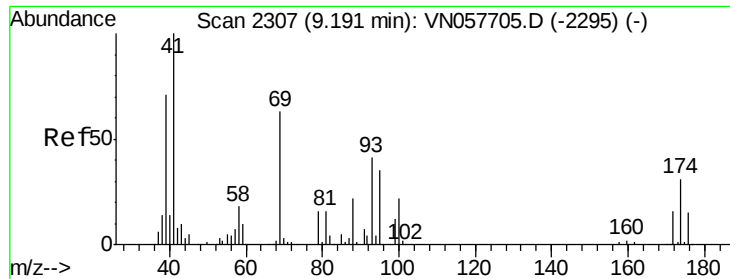
65 0.0 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

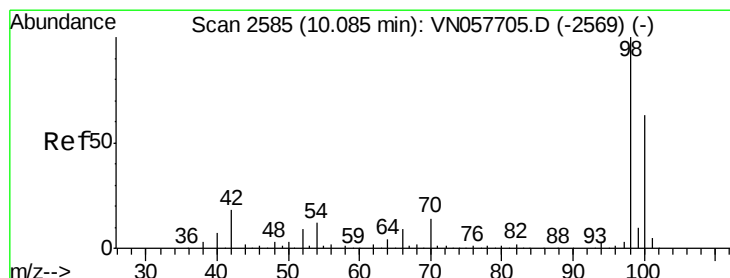
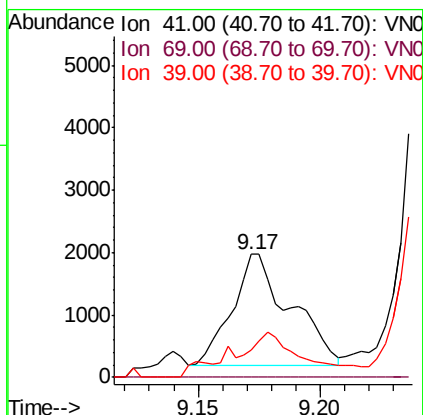
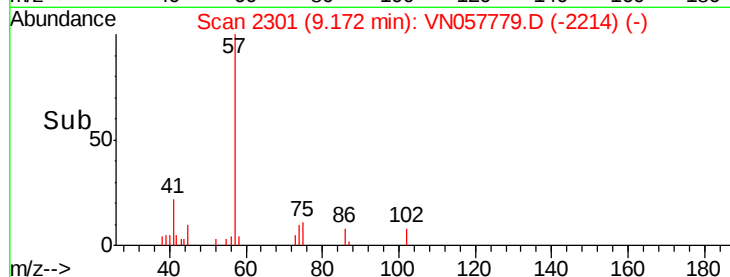
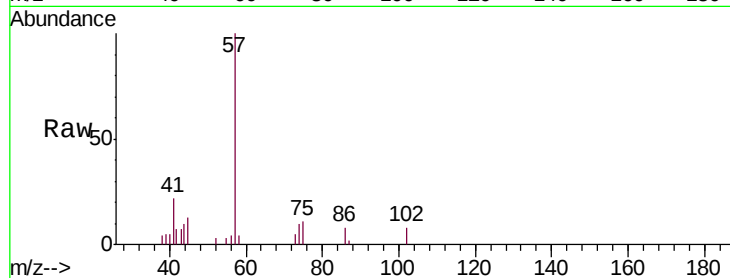




#48
Methyl methacrylate
Concen: 0.704 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057779.D
Acq: 8 Sep 2019 1:45

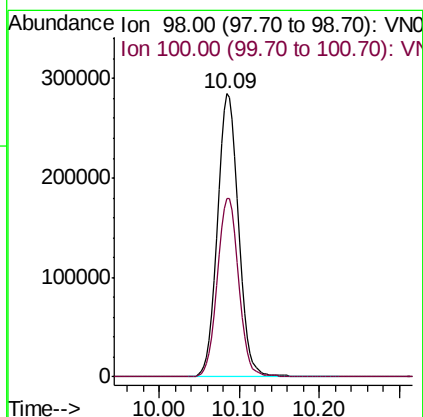
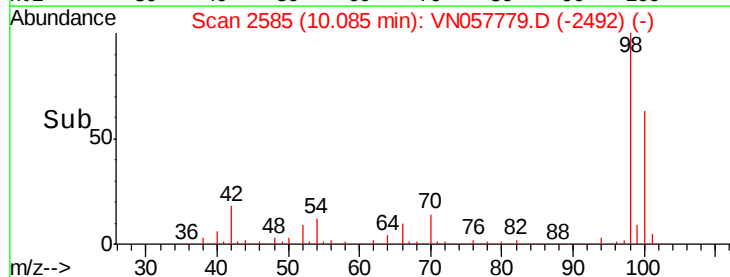
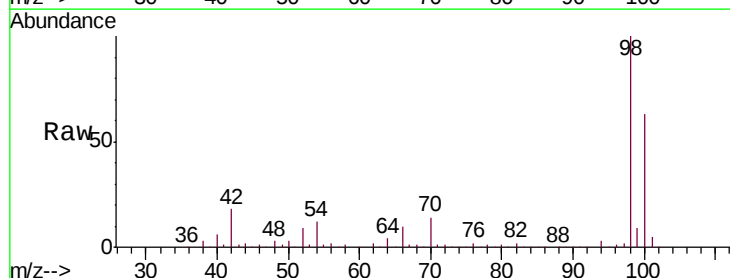
Instrument :
MSVOA_N
ClientSampled :
T12-E3-(2.7)

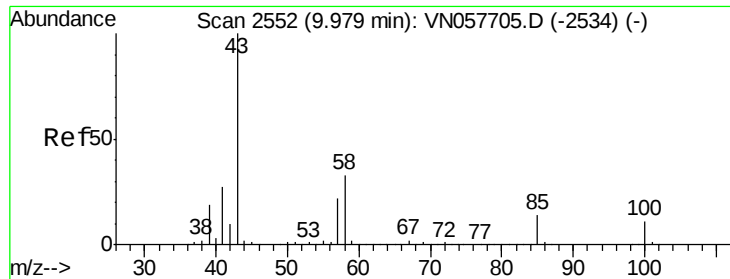
Tgt Ion: 41 Resp: 2920
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 0.0 57.3 85.9#



#50
Toluene-d8
Concen: 48.954 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057779.D
Acq: 8 Sep 2019 1:45

Tgt Ion: 98 Resp: 524406
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1

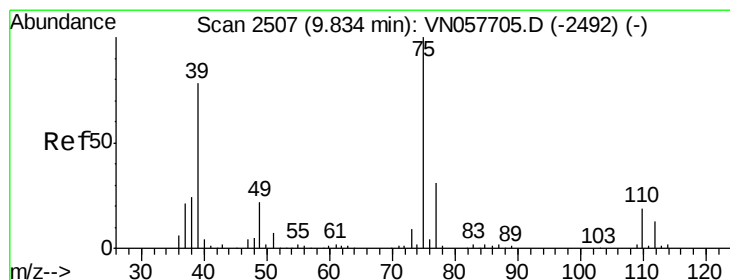
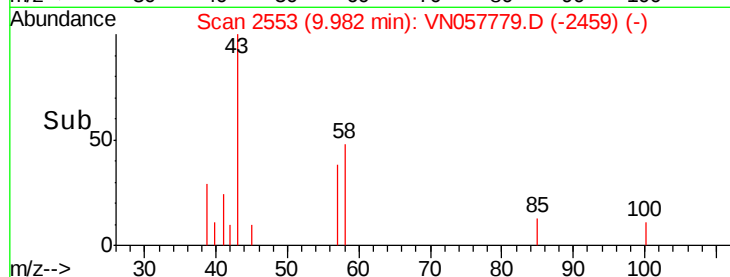
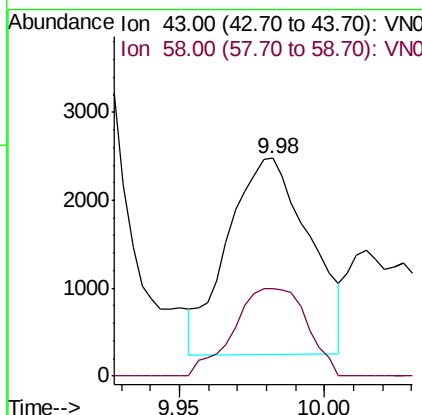
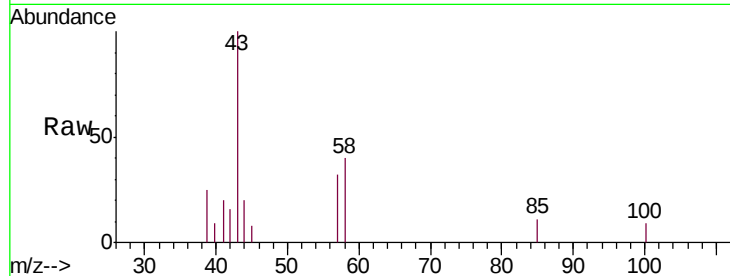




#51
 4-Methyl-2-Pentanone
 Concen: 0.976 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057779.D
 Acq: 8 Sep 2019 1:45

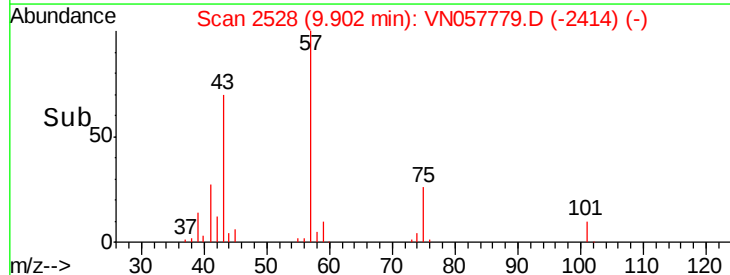
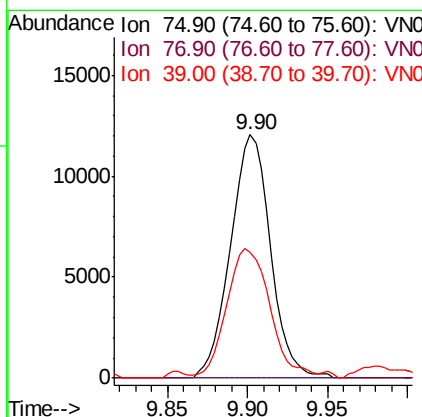
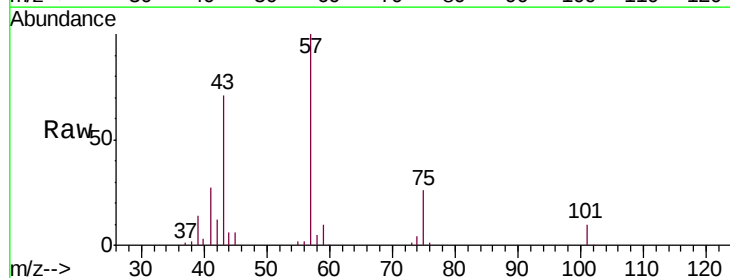
Instrument :
 MSVOA_N
 ClientSampled :
 T12-E3-(2.7)

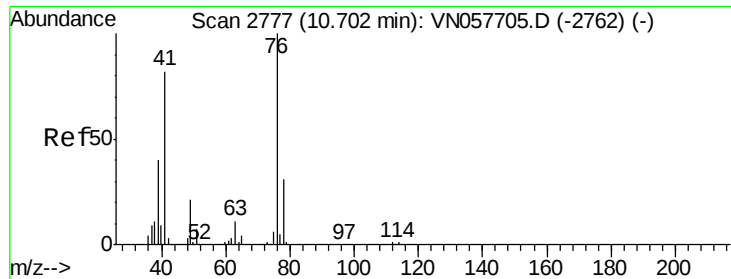
Tgt Ion: 43 Resp: 4370
 Ion Ratio Lower Upper
 43 100
 58 40.0 25.8 38.8#



#54
 cis-1,3-Dichloropropene
 Concen: 4.150 ug/l
 RT: 9.90 min Scan# 2528
 Delta R.T. 0.07 min
 Lab File: VN057779.D
 Acq: 8 Sep 2019 1:45

Tgt Ion: 75 Resp: 20515
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 51.8 62.4 93.6#

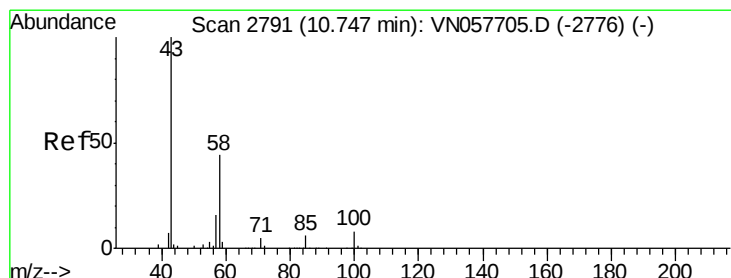
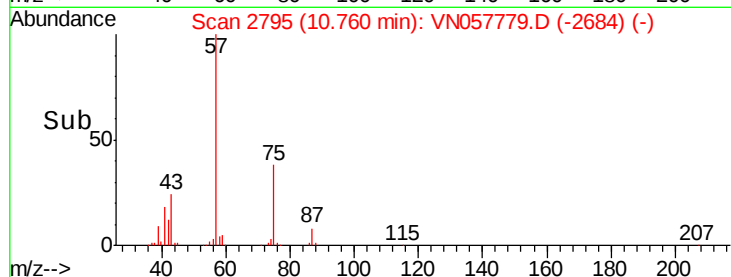
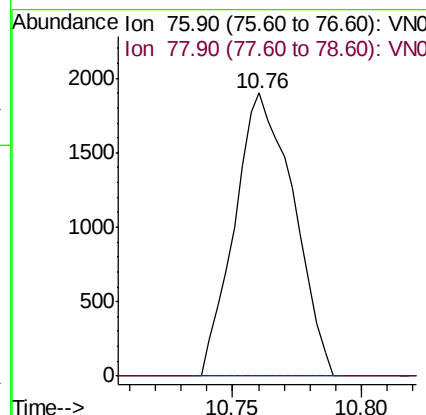
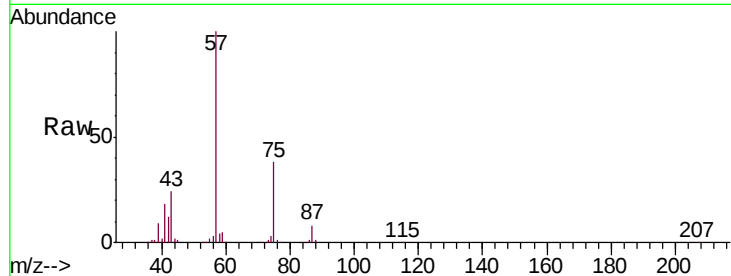




#57
 1,3-Dichloropropane
 Concen: 0.576 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057779.D
 Acq: 8 Sep 2019 1:45

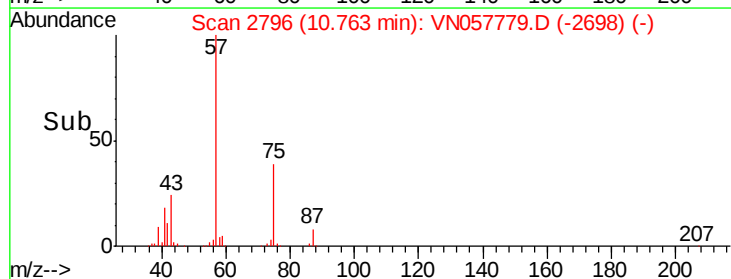
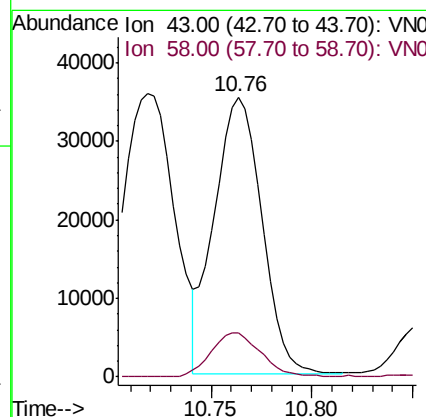
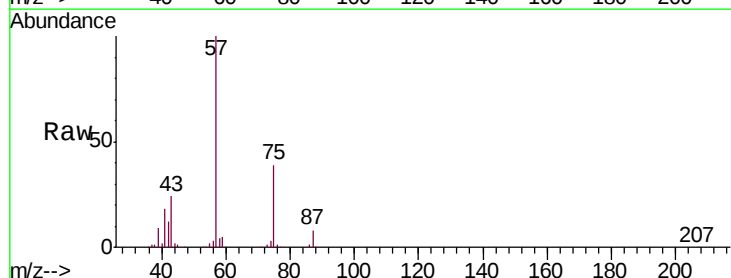
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-E3-(2.7)

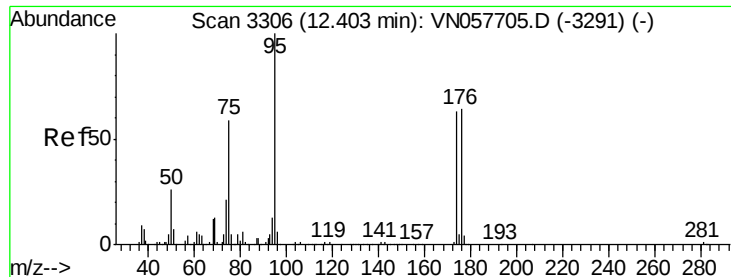
Tgt Ion: 76 Resp: 3018
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 18.465 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057779.D
 Acq: 8 Sep 2019 1:45

Tgt Ion: 43 Resp: 58281
 Ion Ratio Lower Upper
 43 100
 58 16.4 22.1 66.5#

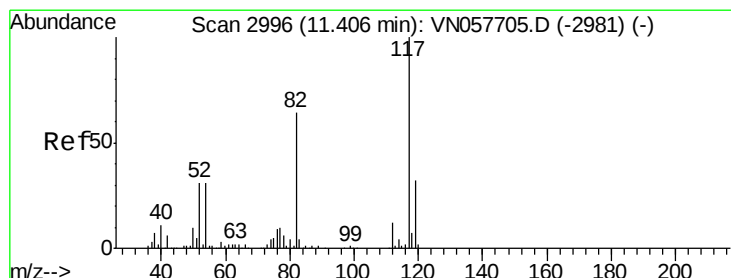
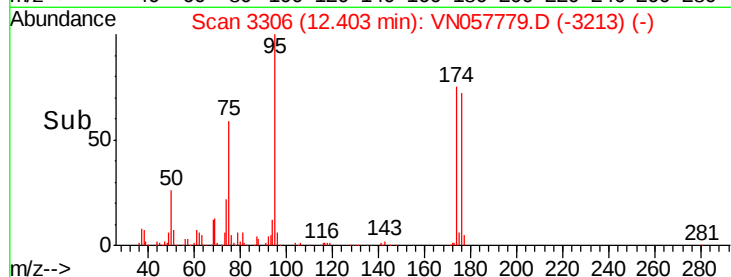
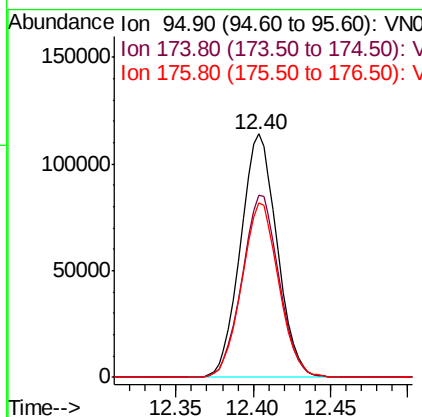
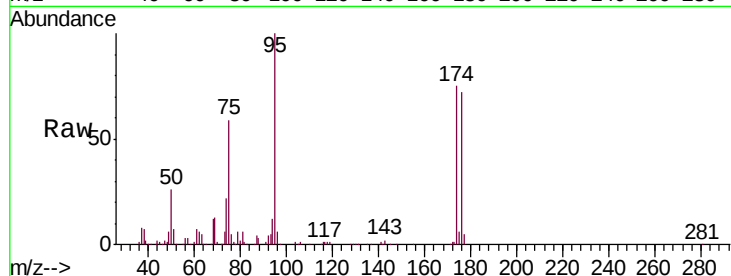




#62
4-Bromofluorobenzene
Concen: 42.115 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057779.D
Acq: 8 Sep 2019 1:45

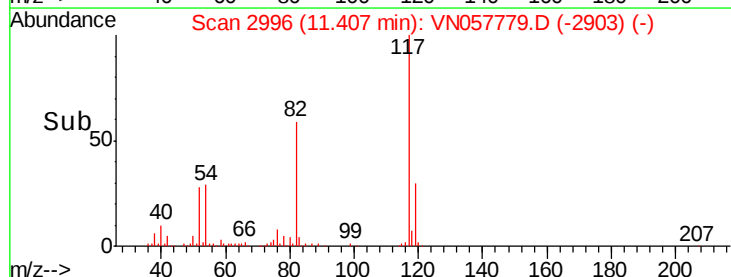
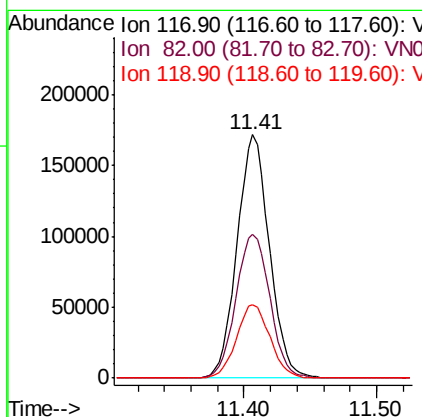
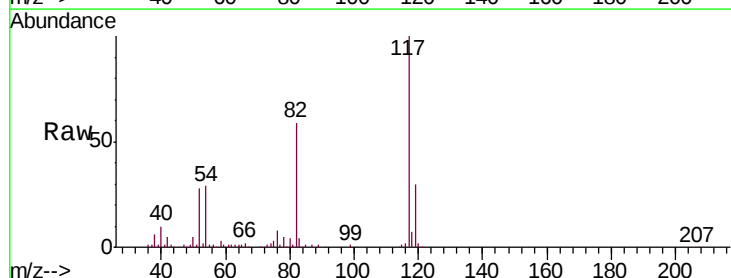
Instrument :
MSVOA_N
ClientSampled :
T12-E3-(2.7)

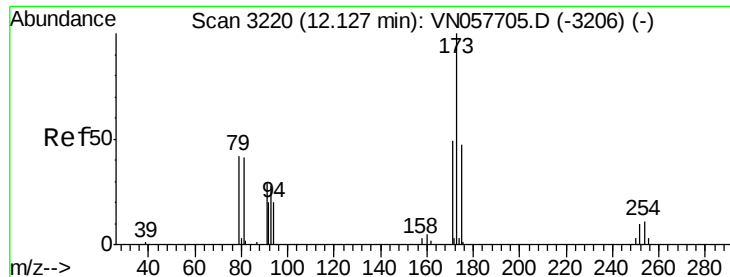
Tgt Ion: 95 Resp: 187383
Ion Ratio Lower Upper
95 100
174 76.0 0.0 128.0
176 72.4 0.0 128.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057779.D
Acq: 8 Sep 2019 1:45

Tgt Ion: 117 Resp: 290537
Ion Ratio Lower Upper
117 100
82 59.2 51.4 77.0
119 30.4 25.4 38.2





#71

Bromoform

Concen: 3.376 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN057779.D

Acq: 8 Sep 2019 1:45

Instrument :

MSVOA_N

ClientSampleId :

T12-E3-(2.7)

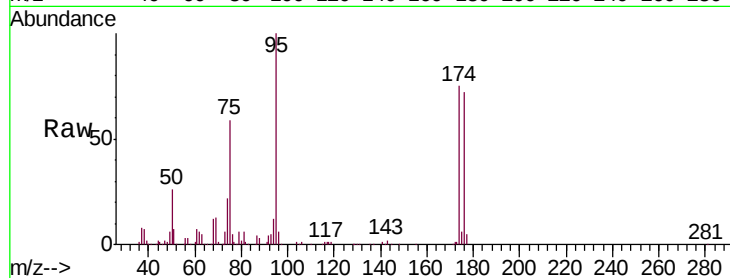
Tgt Ion:173 Resp: 283

Ion Ratio Lower Upper

173 100

175 3293.3 24.6 73.8#

254 0.0 0.0 0.0

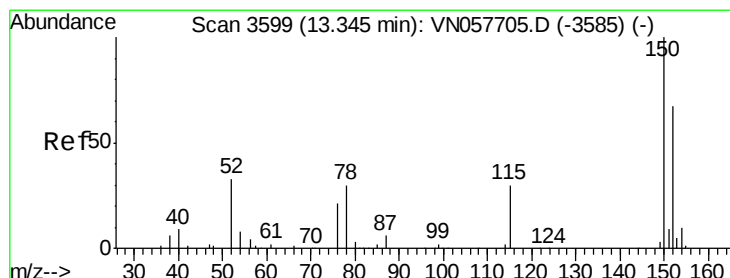
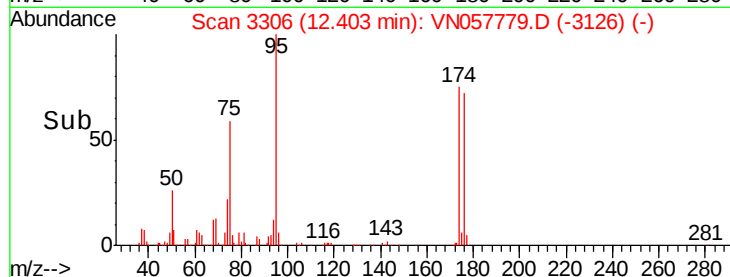
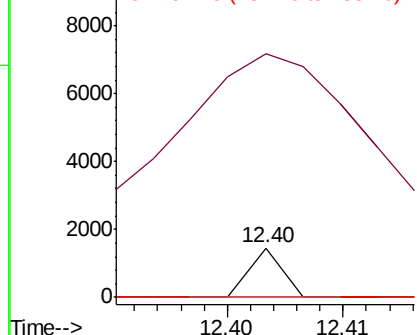


Abundance

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: VN057779.D

Acq: 8 Sep 2019 1:45

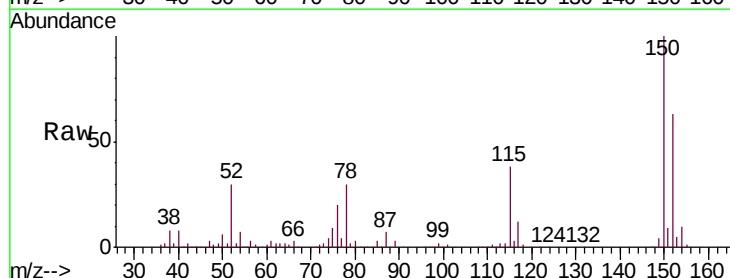
Tgt Ion:152 Resp: 149555

Ion Ratio Lower Upper

152 100

115 62.2 33.8 101.3

150 158.2 0.0 345.4

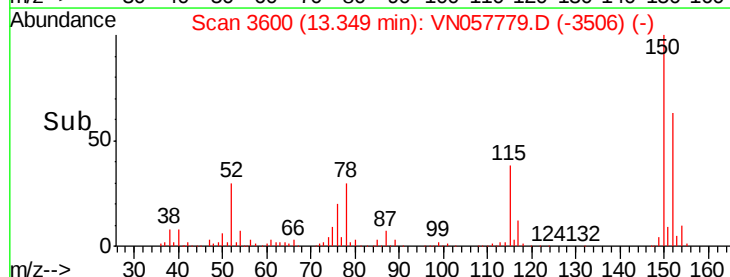
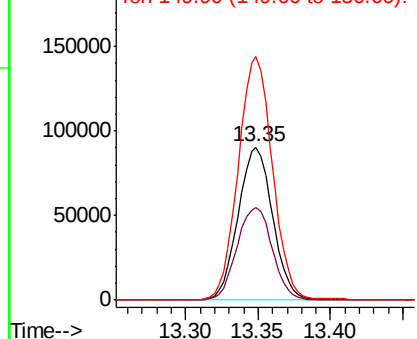


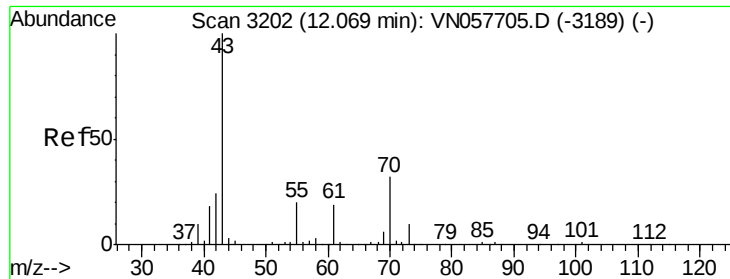
Abundance

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: 0.275 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN057779.D

Acq: 8 Sep 2019 1:45

Instrument :

MSVOA_N

ClientSampled :

T12-E3-(2.7)

Tgt Ion: 43 Resp: 1816

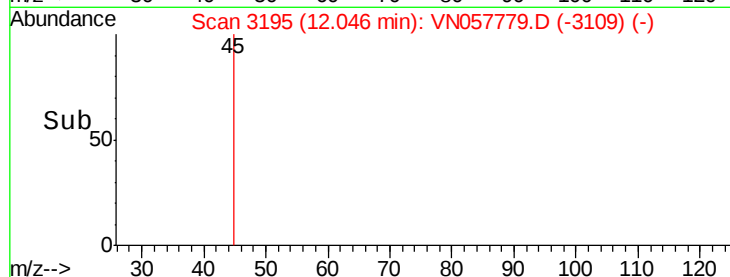
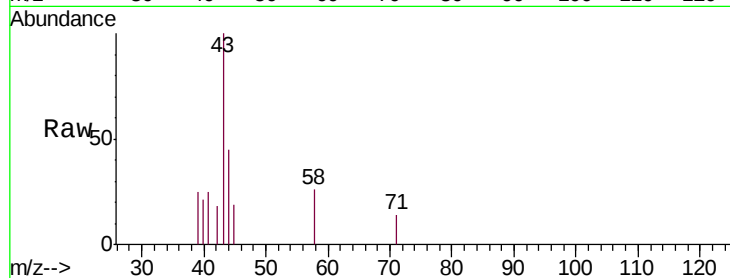
Ion Ratio Lower Upper

43 100

70 0.0 26.1 39.1#

55 3.9 16.3 24.5#

61 0.0 15.0 22.4#

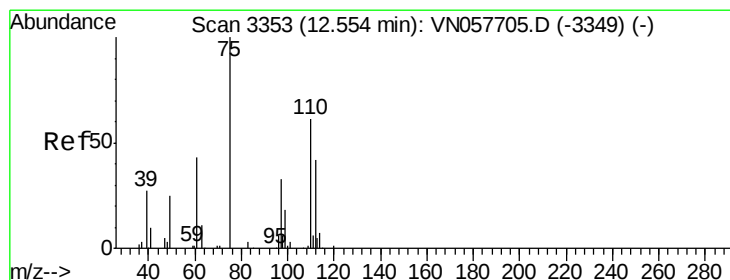
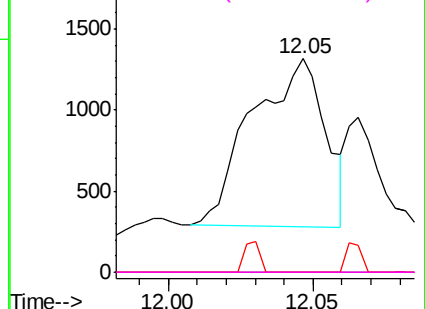


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 33.114 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057779.D

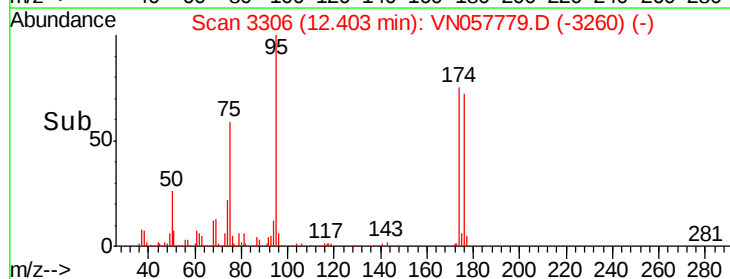
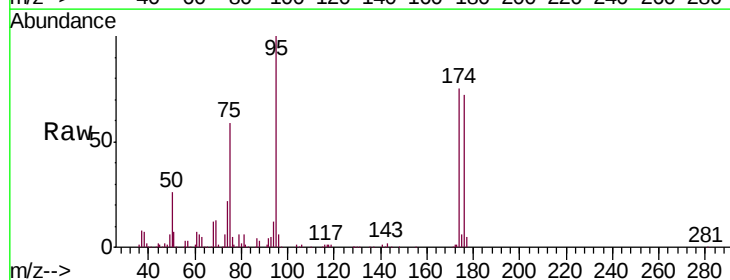
Acq: 8 Sep 2019 1:45

Tgt Ion: 75 Resp: 113723

Ion Ratio Lower Upper

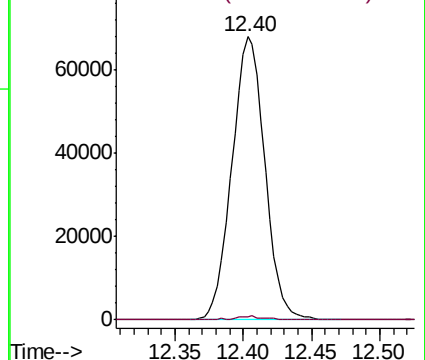
75 100

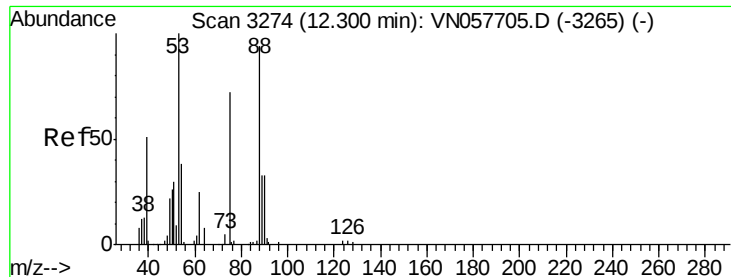
77 1.2 0.0 0.0#



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: 102.983 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN057779.D
 Acq: 8 Sep 2019 1:45

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-E3-(2.7)

Tgt Ion: 75 Resp: 113723
 Ion Ratio Lower Upper
 75 100
 53 0.0 107.0 160.6#
 89 0.0 36.5 54.7#

